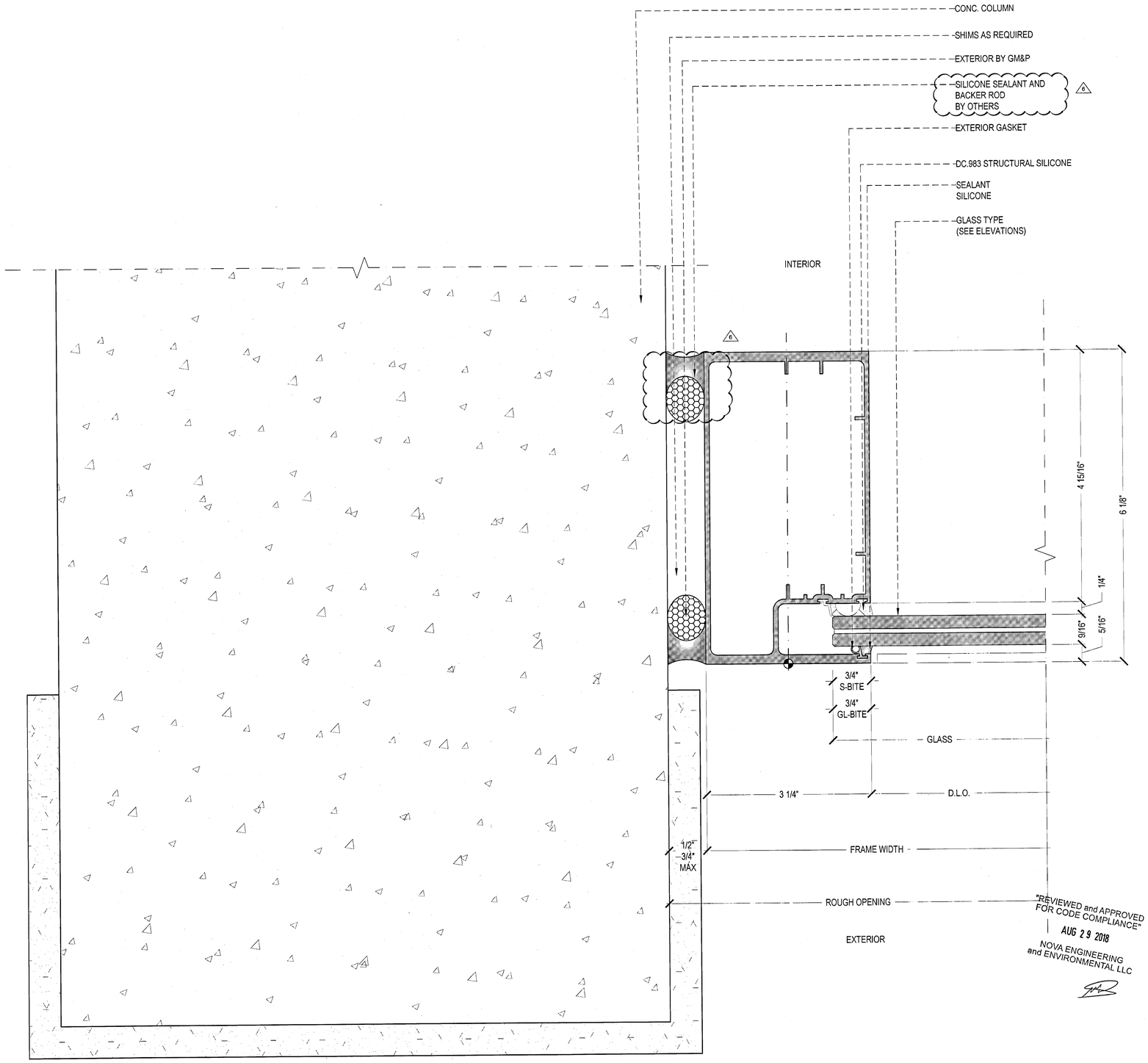
MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE




DE LOS REYES ENGINEERING, INC.
SHOP DRAWING REVIEW

APPROVED ☐ REJECTED ☐
APPROVED AS NOTED ☐ RE-SUBMIT ☐

CORRECTIONS AND COMMENTS MADE ON SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLYING WITH REQUIREMENTS OF THE PERMITTED DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE INFORMATION IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING THEM WITH THAT OF ALL OTHER TRADES AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.

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DATE: 8/29/18 BY:

"REVIEWED and APPROVED FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING and ENVIRONMENTAL LLC

Stantec
Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131
☑ REVIEW NO EXCEPTIONS NOTED
Date: _____ By: 8/29/18

1 PLAN DETAIL ES-7000 L.M.I. JAMB TYP - CONC. COLUMN.
FROM: 1'-0" = 1'-0"

REVIEWED
CITY OF MIAMI BEACH
FIRE DEPARTMENT

1681 WEST VENTURES LLC
19501 Biscayne Boulevard, Suite 400
Aventura, FL 33180
T: (305) 914-8207

ARCHITECT:
Stantec
STANTEC ARCHITECTURE INC.
One Biscayne Tower Suite 1670
2 South Biscayne Boulevard
Miami, FL 33131-1804
T: (305) 482-8700 Fax: (305) 482-8770

GENERAL CONTRACTOR:
GRYCON
Building with Precision
GRYCON LLC
4101 Ravenswood RD Suite 325
Davie Beach, FL 33312
954-626-0451

WINDOW MANUFACTURER:
gmp
GM&P Consulting and Glazing Contractors,Inc
3550 NW 49th street
Miami, FL 33142 EE.UU
Tel: 305-638-5151
Fax: 305-638-5158

SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S.
Cr51 B 80-58 OF. 901
Smart Office Center
Barranquilla, Colombia

FAÇADE+ENVELOPE
ENGINEERING CONSULTANTS, LLC
1930 HARRISON STREET, SUITE 204
HOLLYWOOD, FL 33020 (954) 568-1729
WWW.FACADENVELOPE.COM
CA# 30168

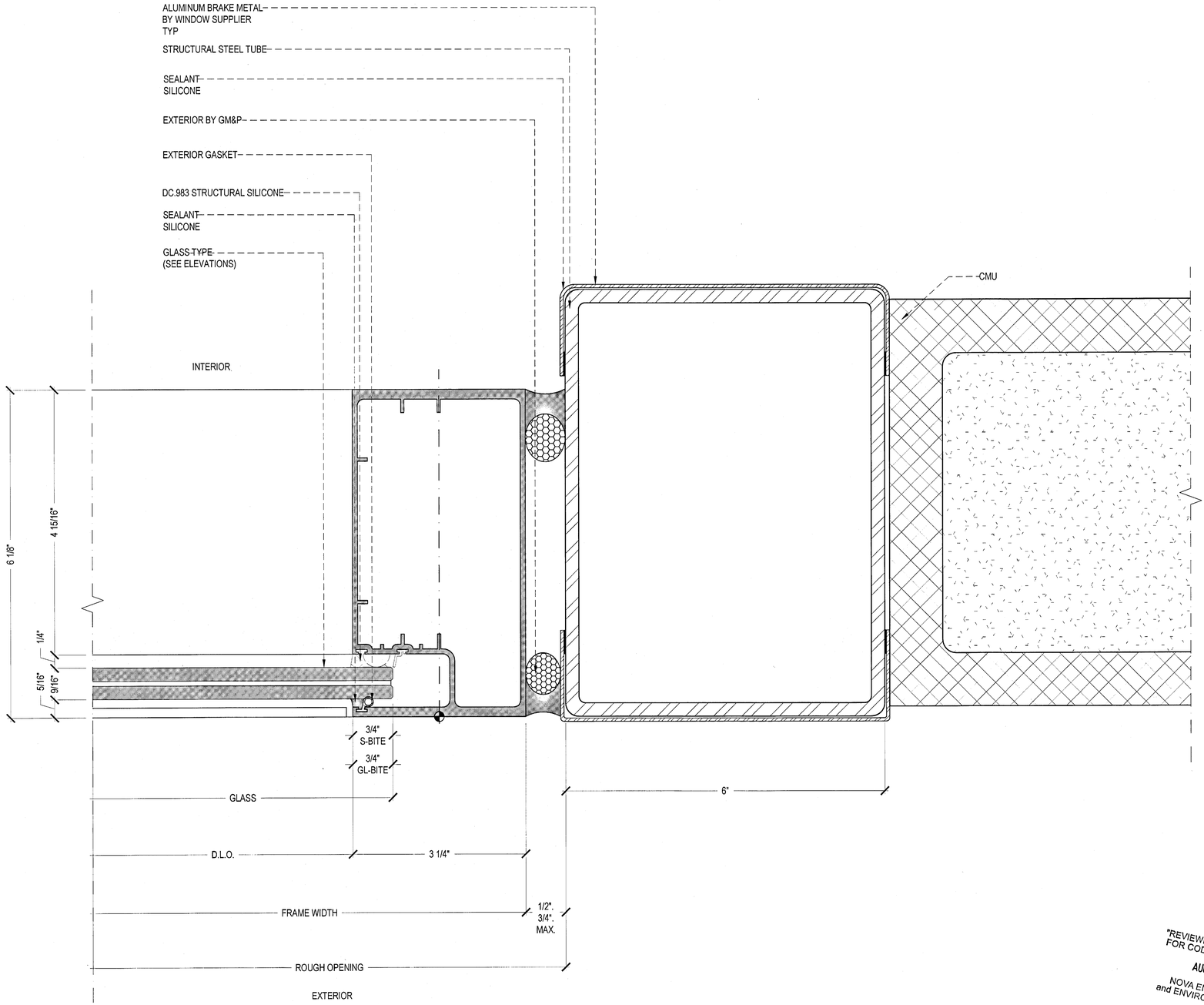
REVIEWED BY:
STRUCTURAL:
MANUEL MORILLO LICENSE No 71643 STATE OF FLORIDA PROFESSIONAL ENGINEER
MANUEL MORILLO
FL. REG. # 71643

**17TH & WEST AVENUE**
**1220 17TH STREET**
**MIAMI BEACH, FLORIDA 33139**

| REVISION N°: | DATE | DESCRIPTION |
|---|---|---|
| 1 | 12. 15. 2017 | SHOP DRAWINGS FIRST SUBMITTAL |
| 2 | 12. 26. 2017 | FIRST SUBMITTAL UPDATE |
| 3 | 01. 22. 2018 | SHOP DRAWINGS FIRST RESUBMITTAL |
| 4 | 04. 24. 2018 | RESUBMITTAL UPDATE |
| 5 | 05. 16. 2018 | RESUBMITTAL PER BULLETIN #1 2018-04-10 |
| 6 | 06. 12. 2018 | RESUBMITTAL PER FEEC 06072018 JJ |

PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1'-0" = 1'-0"
CONTENT:
SYSTEM DETAILS
ES-7000
SHEET:
D-415

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE




1 PLAN DETAIL ES-7000 L.M.I. JAMB TYP - STRUCTURAL STEEL TUBE.
FROM: 1'-0"= 1'-0"

DE LOS REYES ENGINEERING, INC.
SHOP DRAWING REVIEW
APPROVED
APPROVED AS NOTED
REJECTED
RE-SUBMIT

CORRECTIONS AND COMMENTS MADE ON SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLIANCE WITH REQUIREMENTS OF THE PERMITTED DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE INFORMATION IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING THE WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.

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DATE: 8/29/18 BY:

"REVIEWED and APPROVED
FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING
and ENVIRONMENTAL LLC

Stantec
Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131
REVIEW, NO EXCEPTIONS NOTED
Dated 8/31/18 By RCG

CITY OF MIAMI BEACH
REVIEWED
FIRE DEPARTMENT

1691 WEST VENTURES LLC
19501 Biscayne Boulevard, Suite 400
Aventura, FL 33180
T: (305) 914-8207

ARCHITECT:
Stantec
STANTEC ARCHITECTURE INC.
One Biscayne Tower Suite 1670
2 South Biscayne Boulevard
Miami, FL 33131-1804
T: (305) 482-8700 Fax: (305) 482-8770

GENERAL CONTRACTOR:
GRYCON
Building with Precision
GRYCON LLC
4101 Ravenswood RD Suite 325
Dania Beach, FL 33312
954-626-0451

WINDOW MANUFACTURER:
gmp
GM&P Consulting and Glazing Contractors,Inc
3550 NW 49th street
Miami, FL 33142 EE UU
Tel: 305-638-5151
Fax: 305-638-5158

SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S.
Cr51 B 80-58 OF. 901
Smart Office Center
Barranquila, Colombia

FAÇADE+ENVELOPE
ENGINEERING CONSULTANTS, LLC
1930 HARRISON STREET, SUITE 204
HOLLYWOOD, FL 33020 (954) 589-1729
WWW.FACADEENVELOPE.COM

MANUEL MORALES
STATE OF FLORIDA
No 71643
PROFESSIONAL ENGINEER
MANUEL MORALES, P.E.
FL. Reg # 71643

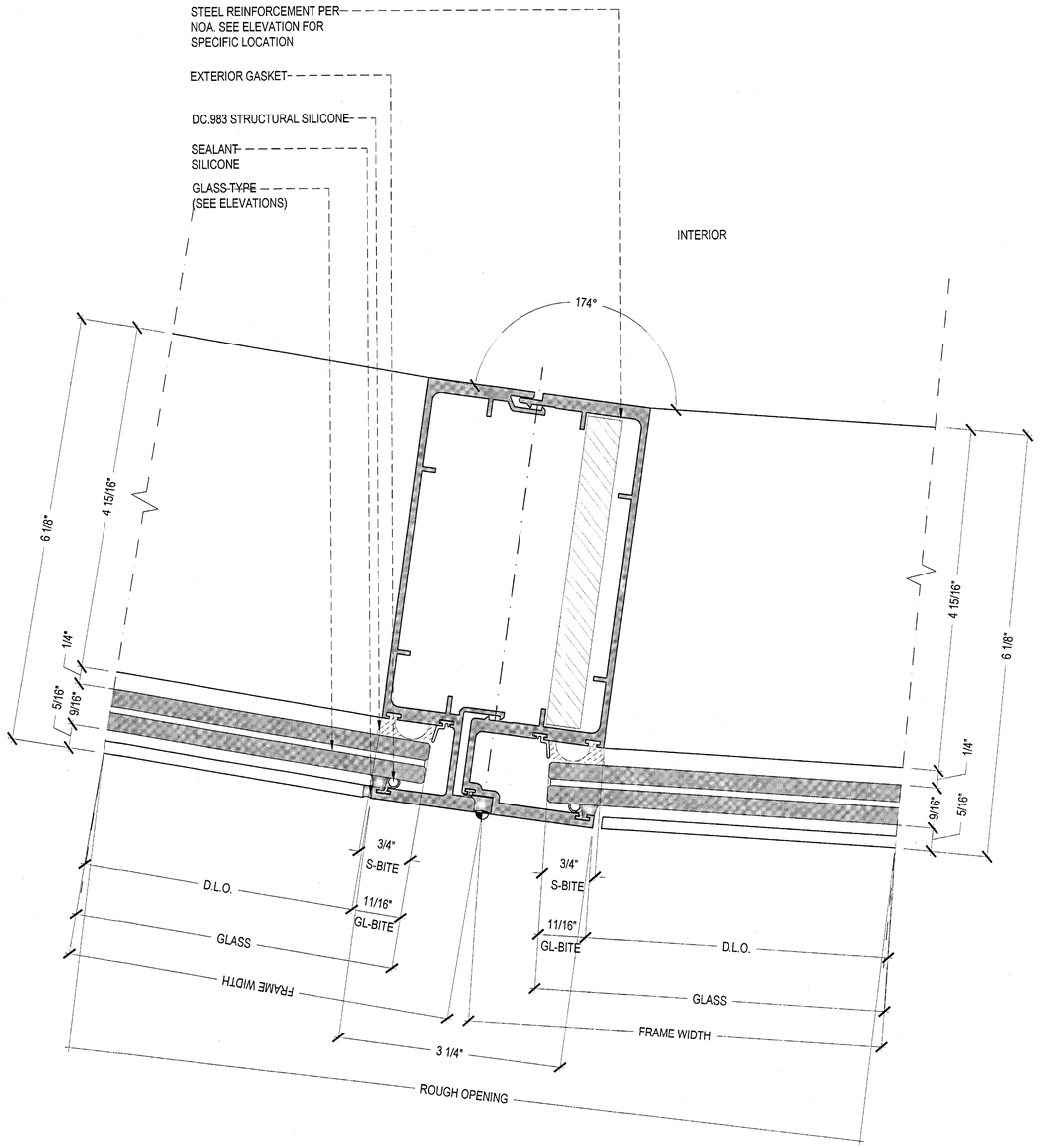
17TH & WEST AVENUE
1220 17TH STREET
MIAMI BEACH, FLORIDA 33139

| REVISION N° | DATE | DESCRIPTION |
|---|---|---|
| A | 12. 15. 2017 | SHOP DRAWINGS FIRST SUBMITTAL |
| A1 | 12. 26. 2017 | FIRST SUBMITTAL UPDATE |
| A2 | 01. 22. 2018 | SHOP DRAWINGS FIRST RESUBMITTAL |
| A3 | 04. 24. 2018 | RESUBMITTAL UPDATE |
| A4 | 05. 16. 2018 | RESUBMITTAL PER BULLETIN #1 2018.04.10 |
| A5 | 06. 12. 2018 | RESUBMITTAL PER FEEC 06012018 JJ |

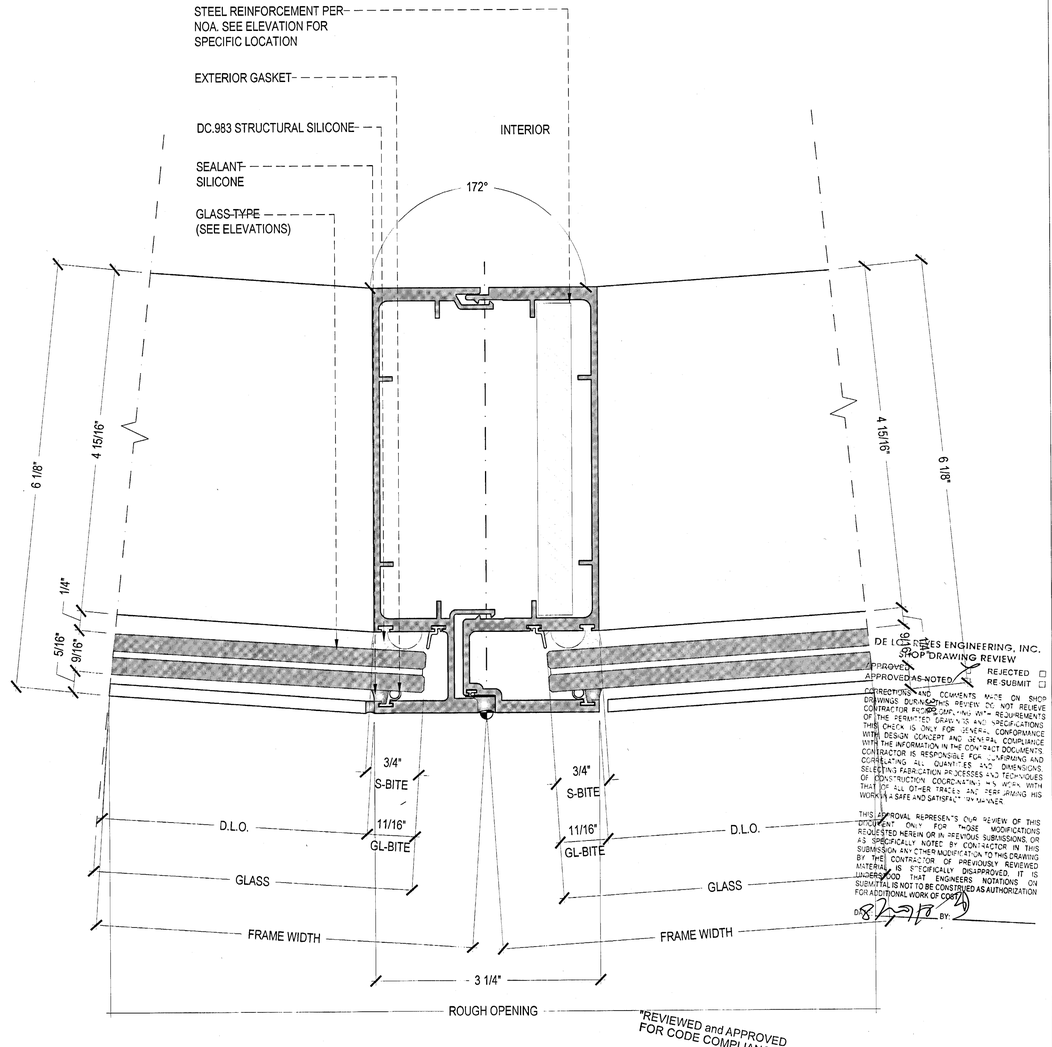
PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1'-0" = 1'-0"
CONTENT:
SYSTEM DETAILS
ES-7000

D-416

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE




1 PLAN DETAIL ES-7000 L.M.I. VERTICAL MULL 174° TYP.
FROM: 1'-0"= 1'-0"




2 PLAN DETAIL ES-7000 L.M.I. VERTICAL MULL 172° TYP.
FROM: 1'-0"= 1'-0"

DE LEON & RICES ENGINEERING, INC.
SHOP DRAWING REVIEW
APPROVED ☐ REJECTED ☐
APPROVED AS NOTED ☐ RE-SUBMIT ☐
CORRECTIONS AND COMMENTS MADE ON SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLYING WITH REQUIREMENTS OF THE PERMITTED DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE INFORMATION IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION COORDINATING THE WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.
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DATED: BY:

"REVIEWED and APPROVED FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING and ENVIRONMENTAL LLC

Stantec
Two South Biscayne Blvd., Suite 1870
Miami, Florida 33131
☑ REVIEW, NO EXCEPTIONS NOTED
Dated 8/9/18 By

REVIEWED
CITY OF MIAMI BEACH
FIRE DEPARTMENT

1581 WEST VENTURES LLC.
19501 Biscayne Boulevard, Suite 400
Aventura, FL 33180
T: (305) 914-8207

ARCHITECT:
Stantec
STANTEC ARCHITECTURE INC.
One Biscayne Tower Suite 1670
2 South Biscayne Boulevard
Miami, FL 33131-1804
T: (305) 482-8700 Fax: (305) 482-8770

GENERAL CONTRACTOR:
GRYCON
Building with Precision
GRYCON LLC
4101 Ravenswood RD Suite 325
Davie Beach, FL 33312
954-626-0451

WINDOW MANUFACTURER:
gmp
GM&P Consulting and Glazing Contractors,Inc
3550 NW 49th street
Miami, FL 33142 EE.UU
Tel: 305-638-5151
Fax: 305-638-5156

SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S.
Cr51 B 80-58 OF. 901
Smart Office Center
Barranquilla, Colombia

FAÇADE+ENVELOPE
ENGINEERING CONSULTANTS, LLC
1930 HARRISON STREET, SUITE 204
HOLLYWOOD, FL 33020 (954) 589-1729
WWW.FACADENVELOPE.COM
CA# 30169

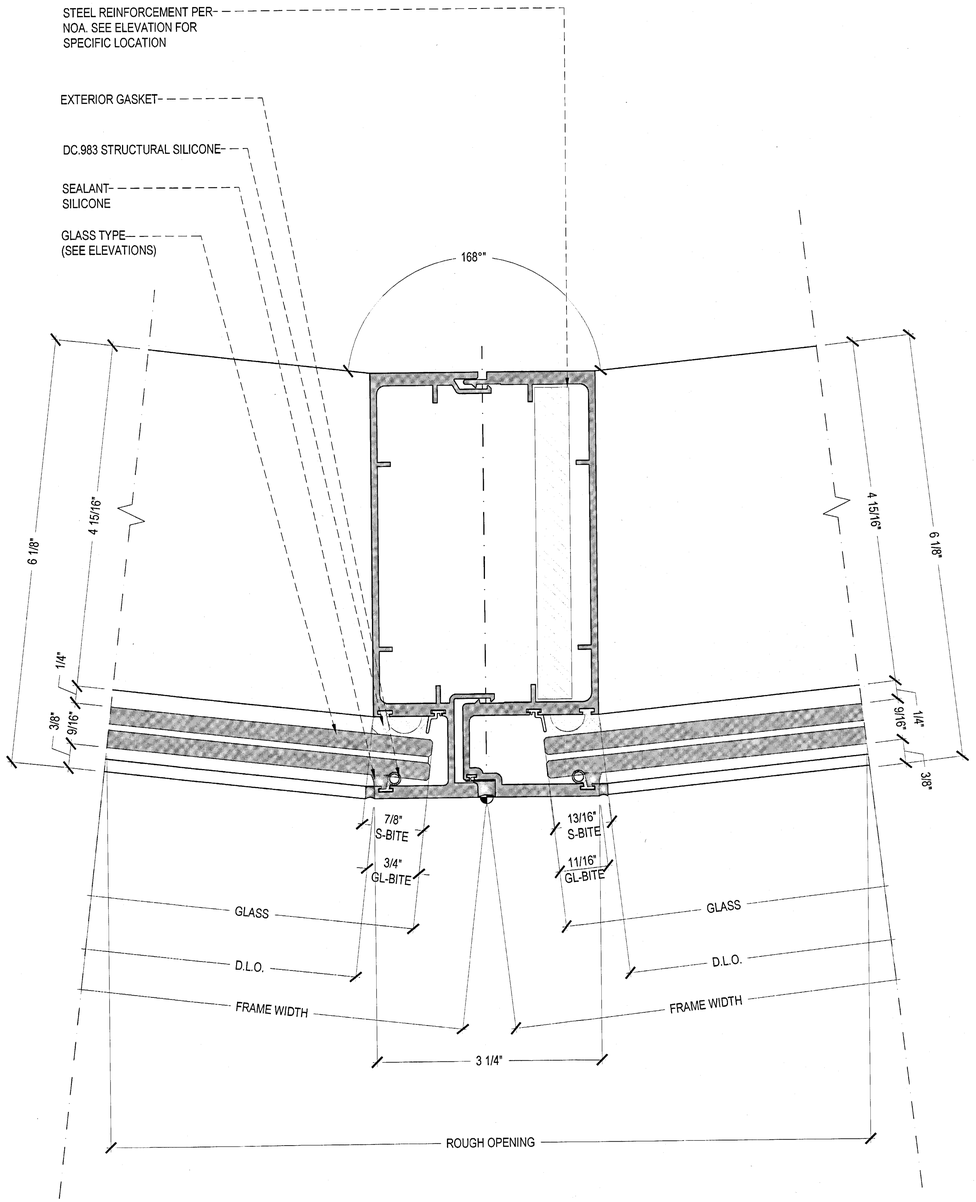
STATE OF MANUEL MONTES DE OCA LICENSED No 71643 STATE OF FLORIDA PROFESSIONAL ENGINEER
MANUEL MONTES DE OCA, P.E.
FL. REG. #71643

**17TH & WEST AVENUE**
**1220 17TH STREET**
**MIAMI BEACH, FLORIDA 33139**

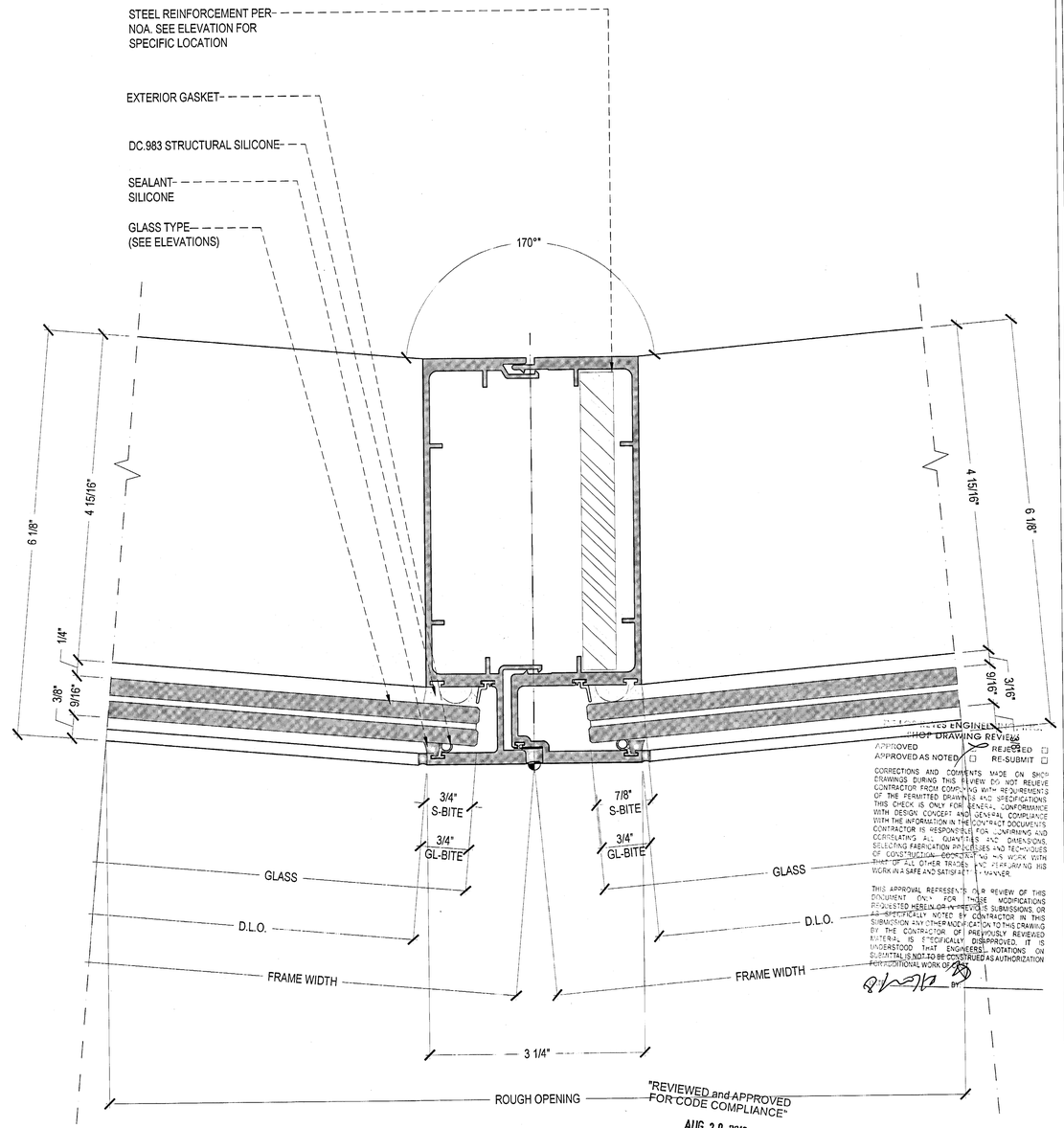
| REVISION N° | DATE | DESCRIPTION |
|---|---|---|
| A | 12. 15. 2017 | SHOP DRAWINGS FIRST SUBMITTAL |
| A | 12. 26. 2017 | FIRST SUBMITTAL UPDATE |
| A | 01. 22. 2018 | SHOP DRAWINGS FIRST RESUBMITTAL |
| A | 04. 24. 2018 | RESUBMITTAL UPDATE |
| A | 05. 16. 2018 | RESUBMITTAL PER BULLETIN #1 2018.04.10 |
| A | 06. 12. 2018 | RESUBMITTAL PER FEEC 06012018 JJ |

PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1'-0" = 1'-0"
CONTENT:
SYSTEM DETAILS
ES-7000
SHEET:
D-417

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE




1 PLAN DETAIL ES-7000 L.M.I. VERTICAL MULL 168° TYP.
FROM: 1'-0"= 1'-0"




2 PLAN DETAIL ES-7000 L.M.I. VERTICAL MULL 170° TYP.
FROM: 1'-0"= 1'-0"

"REVIEWED and APPROVED FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING and ENVIRONMENTAL LLC

Stantec
Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131
REVIEW. NO EXCEPTIONS NOTED
Dated 8/29/18 By

REVIEWED
CITY OF MIAMI BEACH
FIRE DEPARTMENT

1681 WEST VENTURES LLC
19501 Biscayne Boulevard, Suite 400
Aventura, FL 33180
T: (305) 914-8207

ARCHITECT:
Stantec
STANTEC ARCHITECTURE INC.
One Biscayne Tower Suite 1070
2 South Biscayne Boulevard
Miami, FL 33131-1804
T: (305) 482-8700 Fax: (305) 482-8770

GENERAL CONTRACTOR:
GRYCON
Building with Precision
GRYCON LLC
4101 Ravenswood RD Suite 325
Dania Beach, FL 33312
954-525-0451

WINDOW MANUFACTURER:
gmp
GM&P Consulting and Glazing Contractors,Inc
3550 NW 49th street
Miami, FL 33142 EE.UU
Tel: 305-636-5151
Fax: 305-636-5158

SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S.
Cr51 B 80-58 OF. 801
Smart Office Center
Barranquilla, Colombia

FAÇADE+ENVELOPE
ENGINEERING CONSULTANTS, LLC
1930 HARRISON STREET, SUITE 204
HOLLYWOOD, FL 33020 (954) 589-1729
WWW.FACADEVLOPE.COM
CA# 30168

REVIEWED FOR STRUCTURAL COMPLIANCE
MANUEL MORALES
No 71643
STATE OF FLORIDA
PROFESSIONAL ENGINEER
FL REG. 71643

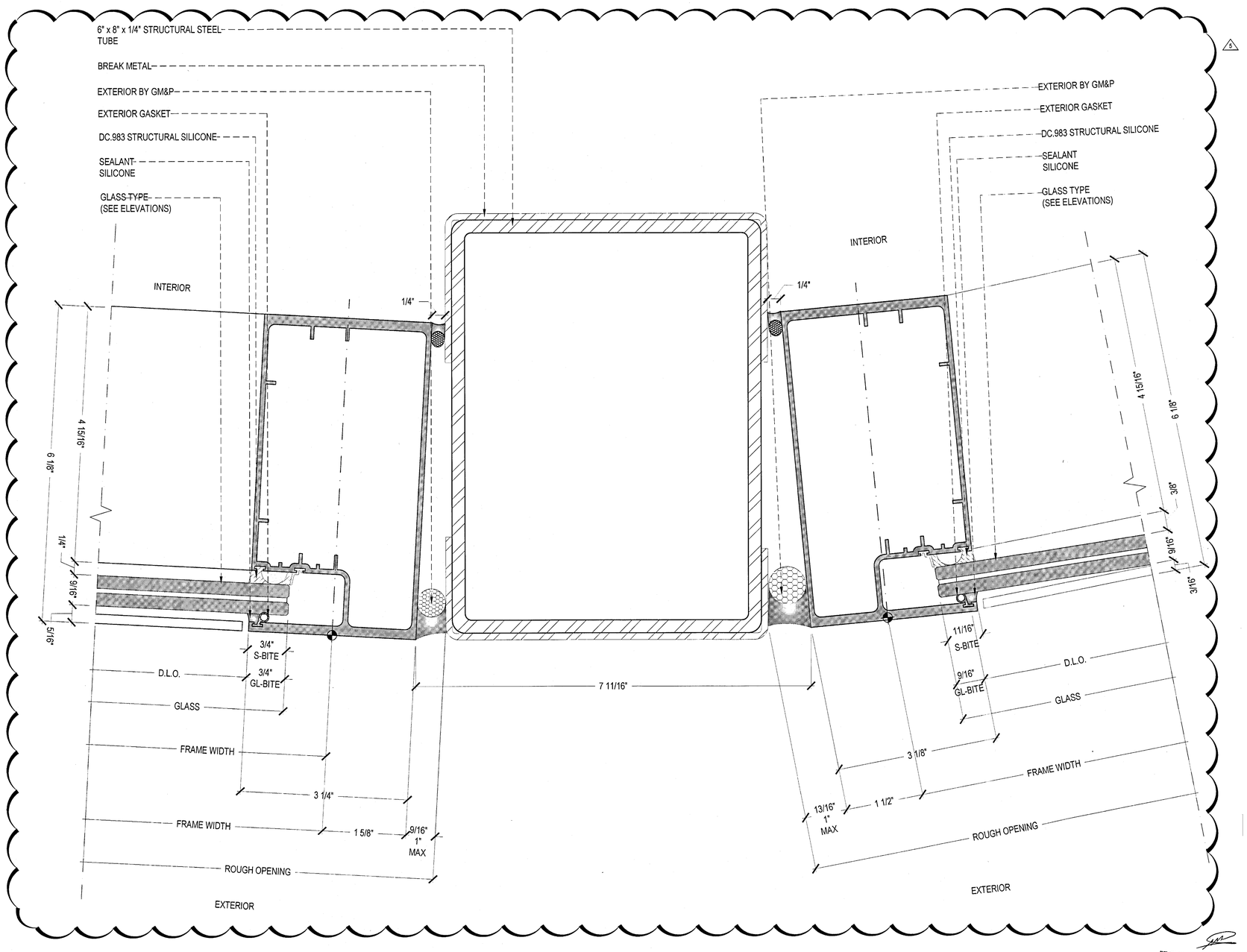
17TH & WEST AVENUE
1220 17TH STREET
MIAMI BEACH, FLORIDA 33139

| REVISION N° | DATE | DESCRIPTION |
|---|---|---|
| 1 | 12.15.2017 | SHOP DRAWINGS FIRST SUBMITTAL |
| 2 | 12.28.2017 | FIRST SUBMITTAL UPDATE |
| 3 | 01.22.2018 | SHOP DRAWINGS FIRST RESUBMITTAL |
| 4 | 04.24.2018 | RESUBMITTAL UPDATE |
| 5 | 05.16.2018 | RESUBMITTAL PER BULLETIN #1 °5/18/14-10 |
| 6 | 06.12.2018 | RESUBMITTAL PER FEEC 06012018 JJ |

PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1'-0" = 1'-0"
CONTENT:
SYSTEM DETAILS
ES-7000

SHEET:
D-418

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE




BERGOS REYES ENGINEERING, INC.
SHOP DRAWING REVIEW
APPROVED ☒ REJECTED ☐
APPROVED AS NOTED ☐ RE-SUBMIT ☐

CORRECTIONS AND COMMENTS MADE ON SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLYING WITH REQUIREMENTS OF THE PERMITTED DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE INFORMATION IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.

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DATE: 8/29/18 BY:

Stantec
Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131
☑ REVIEW, NO EXCEPTIONS NOTED
Dated 8/16/16 By: R.G

"REVIEWED and APPROVED FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING and ENVIRONMENTAL LLC

1 PLAN DETAIL ES-7000 L.M.I. JAMB CONDITION BREAK METAL
FROM: 1'-0" 1'-0"

REVIEWED CITY OF MIAMI BEACH FIRE DEPARTMENT

1681 WEST VENTURES LLC.
19001 Biscayne Boulevard, Suite 400
Aventura, FL 33180
T: (305) 914-8207

ARCHITECT:
Stantec
STANTEC ARCHITECTURE INC.
One Biscayne Tower Suite 1670
2 South Biscayne Boulevard
Miami, FL 33131-1804
T: (305) 482-8700 Fax: (305) 482-8770

GENERAL CONTRACTOR:
GRYCON
Building with Precision
GRYCON LLC
4101 Ravenswood RD Suite 325
Dania Beach, FL 33312
954-626-0451

WINDOW MANUFACTURER:
gmp
GM&P Consulting and Glazing Contractors,Inc
3550 NW 49th street
Miami, FL 33142 EE.UU
Tel: 305-638-5151
Fax: 305-638-5158

SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S.
Cr51 B 80-58 Of. 901
Smart Office Center
Barranquilla, Colombia

FAÇADE+ENVELOPE
ENGINEERING CONSULTANTS, LLC
1920 HARRISON STREET, SUITE 204
HOLLYWOOD, FL 33020 (954) 581-1729
WWW.FACADEENVELOPE.COM
CA# 30168

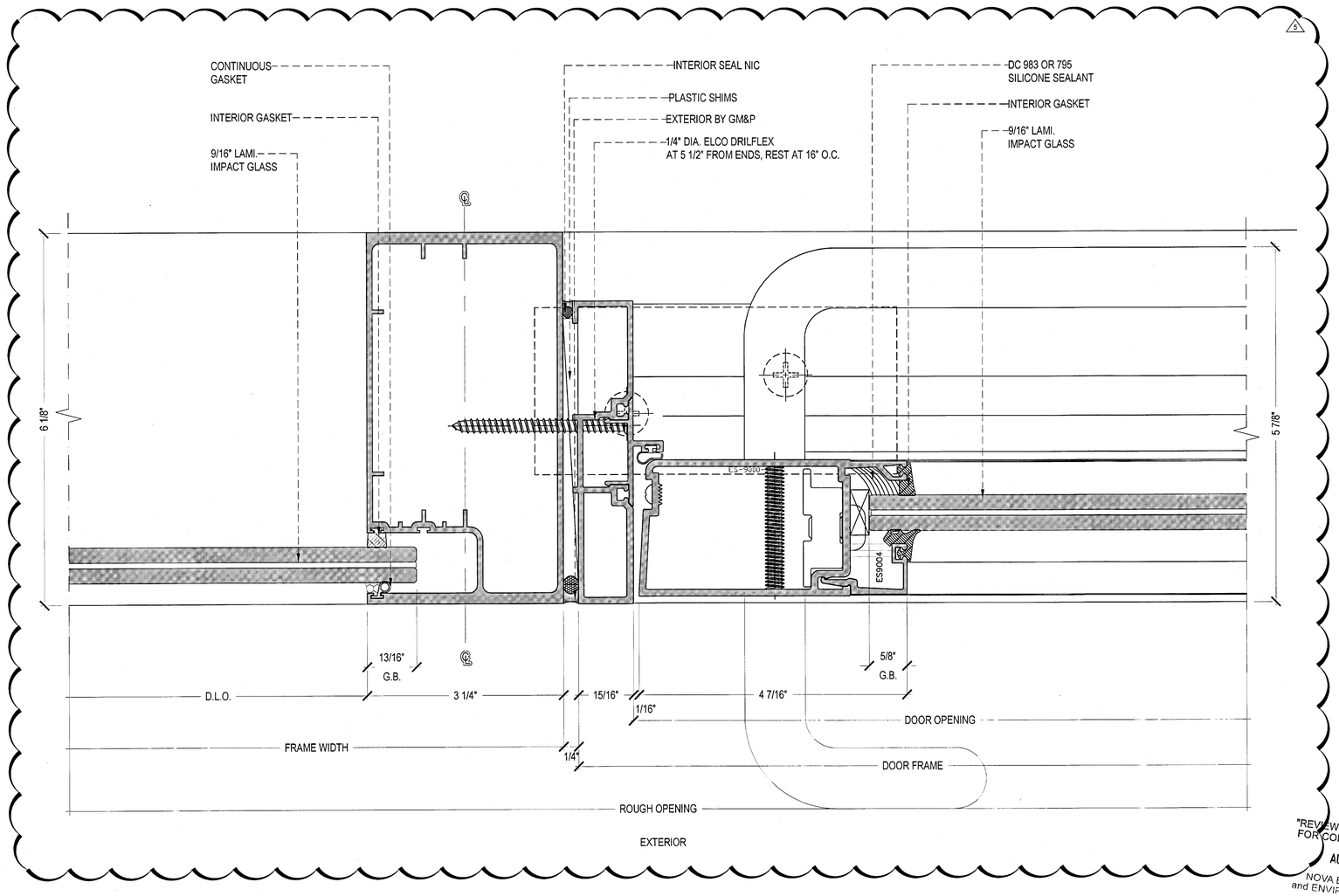
REVIEWED FOR STRUCTURAL COMPLIANCE
MANUEL MORIANA
LICENSE
No 71643
STATE OF FLORIDA
PROFESSIONAL ENGINEER
MANUEL MORIANA
FL. Reg # 71643

**17TH & WEST AVENUE**
**1220 17TH STREET**
**MIAMI BEACH, FLORIDA 33139**

| REVISION N° | DATE | DESCRIPTION |
|---|---|---|
| 1 | 12. 15. 2017 | SHOP DRAWINGS FIRST SUBMITTAL |
| 2 | 12. 26. 2017 | FIRST SUBMITTAL UPDATE |
| 3 | 01. 22. 2018 | SHOP DRAWINGS FIRST RESUBMITTAL |
| 4 | 04. 24. 2018 | RESUBMITTAL UPDATE |
| 5 | 06. 19. 2018 | RESUBMITTAL PER BULLETIN #1 2018.04.10 |
| 6 | 09. 12. 2018 | RESUBMITTAL PER FEEC 08012018 JJ |

PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1'-0" = 1'-0"
CONTENT:
SYSTEM DETAILS
ES-7000
SHEET:
D-419

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE




1 PLAN DETAIL ES-7000 L.M.I. MULLION TYP & ES-9100 SWING DOOR
FROM: 1'-0" = 1'-0"

DE LOS REYES ENGINEERING, INC.
SHOP DRAWING REVIEW
APPROVED ☑ REJECTED ☐
APPROVED AS NOTED ☐ RE-SUBMIT ☐

CORRECTIONS AND COMMENTS MADE ON SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLYING WITH REQUIREMENTS OF THE PERMITTED DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE INFORMATION IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.

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DATE 8/29/2018 BY

"REVIEWED and APPROVED FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING and ENVIRONMENTAL, LLC

Stantec
Two South Biscayne Blvd. Suite 1670
Miami, Florida 33131
REVIEW, NO EXCEPTIONS NOTED
Dated 8/31/18 By R.G

REVIEWED
CITY OF MIAMI BEACH
FIRE DEPARTMENT

1681 WEST VENTURES LLC.
19501 Biscayne Boulevard, Suite 400
Aventura, FL 33180
T: (305) 914-8207

ARCHITECT:
Stantec
STANTEC ARCHITECTURE INC.
One Biscayne Tower Suite 1670
2 South Biscayne Boulevard
Miami, FL 33131-1804
T: (305) 482-8700 Fax: (305) 482-8770

GENERAL CONTRACTOR:
GRYCON
Building with Precision
GRYCON LLC
4101 Ravenswood RD Suite 325
Dania Beach, FL 33312
954-626-0451

WINDOW MANUFACTURER:
gmp
GM&P Consulting and Glazing Contractors,Inc
3950 NW 49th street
Miami, FL 33142 EE.UU
Tel: 305-638-5151
Fax: 305-638-5155

SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S.
Cr51 B 80-58 Of. 901
Smart Office Center
Barranquilla, Colombia

FAÇADE+ENVELOPE
ENGINEERING CONSULTANTS, LLC
1930 HARRISON STREET, SUITE 204
HOLLYWOOD, FL 33020 (954) 589-1729
WWW.FACADEENVELOPE.COM
CA# 30168

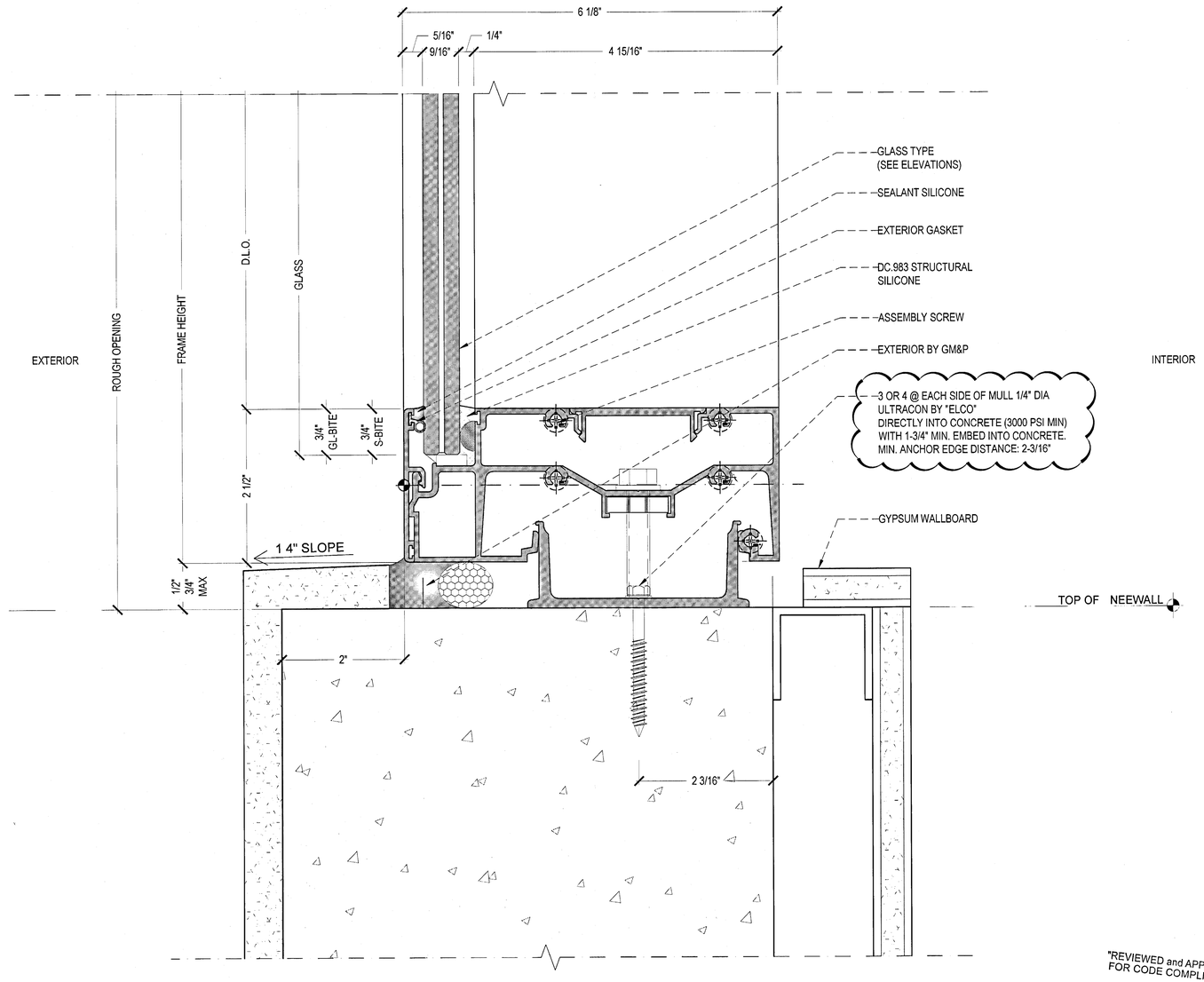
REVIEWED FOR
STRUCTURAL COMPLIANCE
MANUEL MORALES
LICENSED
No 71943
STATE OF FLORIDA
PROFESSIONAL ENGINEER

**17TH & WEST AVENUE**
**1220 17TH STREET**
**MIAMI BEACH, FLORIDA 33139**

| REVISION Nº | DATE | DESCRIPTION |
|---|---|---|
| A | 12. 15. 2017 | SHOP DRAWINGS FIRST SUBMITTAL |
| A1 | 12. 26. 2017 | FIRST SUBMITTAL UPDATE |
| A2 | 01. 22. 2018 | SHOP DRAWINGS FIRST RESUBMITTAL |
| A3 | 04. 24. 2018 | RESUBMITTAL UPDATE |
| A4 | 05. 16. 2018 | RESUBMITTAL PER BULLETIN #1 2018.04.10 |
| A5 | 06. 12. 2018 | RESUBMITTAL PER FEEC 06012018 JJ |

PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1'-0" = 1'-0"
CONTENT:
SYSTEM DETAILS
ES-7000 & ES-9000
SHEET:
D-422

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE




1 SECTION DETAIL ES-7000 - SILL TYP
FROM: 4/A9.17
1 1/2" = 1'-0"

DE LOS REYES ENGINEERING, INC.
SHOP DRAWING REVIEW
APPROVED ☐ REJECTED ☐
APPROVED AS NOTED ☑ RE-SUBMIT ☐

CORRECTIONS AND COMMENTS MADE ON SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLYING WITH REQUIREMENTS OF THE PERMITTED DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE INFORMATION IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.

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DATE 8/29/18 BY

"REVIEWED and APPROVED
FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING
and ENVIRONMENTAL LLC

Stantec
Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131
☑ REVIEW. NO EXCEPTIONS NOTED
Date 8/9/18 By

REVIEWED
CITY OF MIAMI BEACH
FIRE DEPARTMENT

1681 WEST VENTURES LLC.
19501 Biscayne Boulevard, Suite 400
Aventura, FL 33180
T: (305) 914-6207

ARCHITECT:
Stantec
STANTEC ARCHITECTURE INC.
One Biscayne Tower Suite 1670
2 South Biscayne Boulevard
Miami, FL 33131-1804
T: (305) 482-8700 Fax: (305) 482-8770

GENERAL CONTRACTOR:
GRYCON
Building with Precision
GRYCON LLC
4101 Ravenswood RD Suite 325
Dania Beach, FL 33312
954-626-0451

WINDOW MANUFACTURER:
gmp
GM&P Consulting and Glazing Contractors,Inc
3950 NW 49th street
Miami, Fl. 33142 EE.UU
Tel: 305-638-5151
Fax: 305-638-5158

SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S.
C-51 B 80-68 OF. 901
Smart Office Center
Barranquilla, Colombia

FAÇADE+ENVELOPE
ENGINEERING CONSULTANTS, LLC
1930 HARRISON STREET, SUITE 204
HOLLYWOOD, FL 33020 (954) 589-1729
WWW.FACADEENVELOPE.COM
CA# 30168

REVIEWED FOR
STRUCTURAL COMPLIANCE
MANUEL MORALES
LICENSE
No 71643
STATE OF FLORIDA
PROFESSIONAL ENGINEER

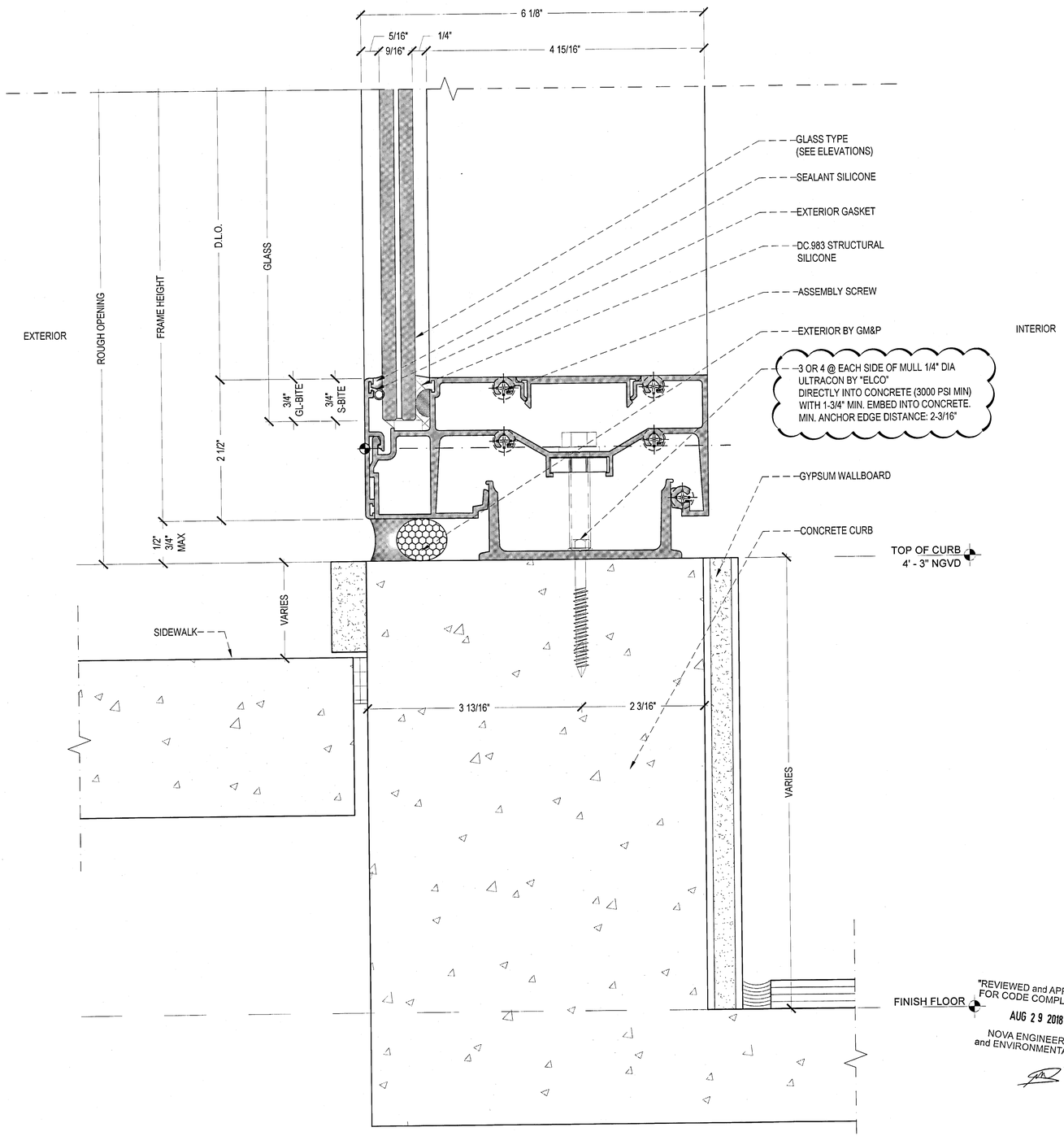
**17TH & WEST AVENUE**
**1220 17TH STREET**
**MIAMI BEACH, FLORIDA 33139**

| REVISION N° | DATE | DESCRIPTION |
|---|---|---|
| 1 | 12. 15. 2017 | SHOP DRAWINGS FIRST SUBMITTAL |
| 2 | 12. 29. 2017 | FIRST SUBMITTAL UPDATE |
| 3 | 01. 22. 2018 | SHOP DRAWINGS FIRST RESUBMITTAL |
| 4 | 04. 24. 2018 | RESUBMITTAL UPDATE |
| 5 | 05. 16. 2018 | RESUBMITTAL PER BULLETIN #1 20.18.04-10 |
| 6 | 06. 12. 2018 | RESUBMITTAL PER FEEC 06012018 JJ |

PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1'-0" = 1'-0"
CONTENT:
SYSTEM DETAILS
ES-7000

SHEET:
D-500

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE




1 SECTION DETAIL ES-7000 - SILL TYP @ CURB
FROM: 3/A9.17
1"=1'-0"

DE LOS REYES ENGINEERING, INC.
SHOP DRAWING REVIEW
APPROVED ☐ REJECTED ☐
APPROVED AS NOTED ☒ RE-SUBMIT ☐
CORRECTIONS AND COMMENTS MADE ON SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLYING WITH REQUIREMENTS OF THE PERMITTED DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE INFORMATION IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.
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DATE 8/29/18

"REVIEWED and APPROVED
FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING
and ENVIRONMENTAL LLC

Stantec
Two South Biscayne Blvd., Suite 1870
Miami, Florida 33131
☐ REVIEW: NO EXCEPTIONS NOTED
Dated 8/29/18 By RG

REVIEWED
CITY OF MIAMI BEACH
FIRE DEPARTMENT

1681 WEST VENTURES LLC.
19501 Biscayne Boulevard, Suite 400
Aventura, FL 33180
T: (305) 914-8207

ARCHITECT:
Stantec
STANTEC ARCHITECTURE INC.
One Biscayne Town Suite 1870
2 South Biscayne Boulevard
Miami, FL 33131-1804
T: (305) 482-8700 Fax: (305) 482-8770

GENERAL CONTRACTOR:
GRYCON
Building with Precision
GRYCON LLC
4101 Ravenswood RD Suite 325
Dania Beach, FL 33312
954-626-0451

WINDOW MANUFACTURER:
gmp
GM&P Consulting and Glazing Contractors,Inc
3050 NW 49th street
Miami, Fl. 33142 EE UU
Tel: 305-638-5151
Fax: 305-638-5158

SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S.
C/51 B 80/58 OF. 901
Smart Office Center
Barranquilla, Colombia

FAÇADE+ENVELOPE
ENGINEERING CONSULTANTS, LLC
1930 HARRISON STREET, SUITE 204
HOLLYWOOD, FL 33020 (954) 589-1729
WWW.FACADEWELOPE.COM
CA# 30168

REVIEWED FOR
STRUCTURAL COMPLIANCE
MANUEL MORALES
LICENSE NO.
No 71663
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

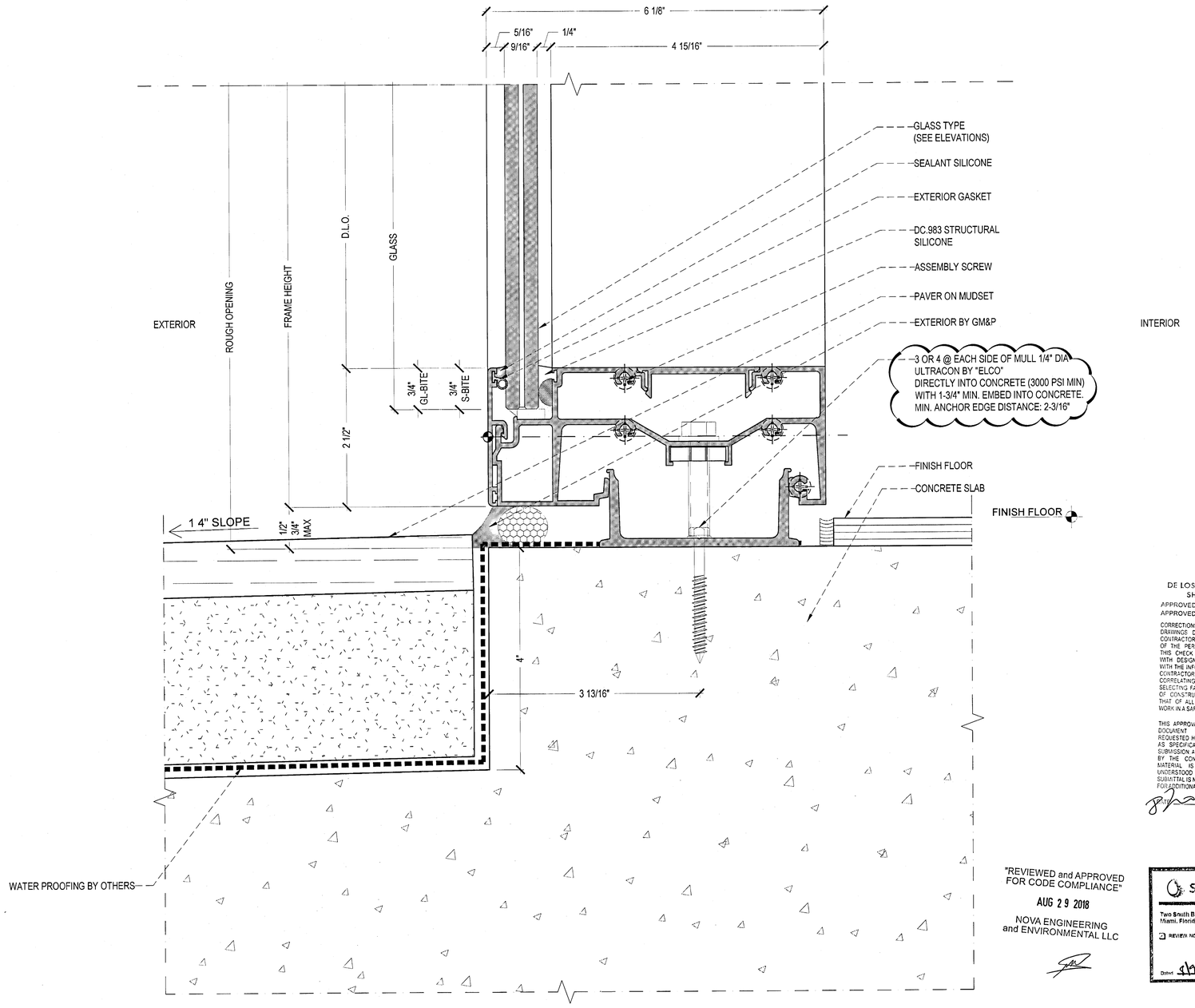
**17TH & WEST AVENUE**
**1220 17TH STREET**
**MIAMI BEACH, FLORIDA 33139**

| REVISION N° | DATE | DESCRIPTION |
|---|---|---|
| 1 | 12. 15. 2017 | SHOP DRAWINGS FIRST SUBMITTAL |
| 2 | 12. 26. 2017 | FIRST SUBMITTAL UPDATE |
| 3 | 01. 22. 2018 | SHOP DRAWINGS FIRST RESUBMITTAL |
| 4 | 04. 24. 2018 | RESUBMITTAL UPDATE |
| 5 | 05. 16. 2018 | RESUBMITTAL PER BULLETIN #1 2018.04.10 |
| 6 | 06. 12. 2018 | RESUBMITTAL PER FEEC 06012018 JJ |

PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1'-0" = 1'-0"
CONTENT:
SYSTEM DETAILS
ES-7000

SHEET:
D-503

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE




1 SECTION DETAIL ES-7000 - SILL TYP @ AMENITY.
FROM: 9/A9.17
1'-0"= 1'-0"

DE LOS REYES ENGINEERING, INC.
SHOP DRAWING REVIEW
APPROVED ☒ REJECTED ☐
APPROVED AS NOTED ☐ RE-SUBMIT ☐

CORRECTIONS AND COMMENTS MADE ON SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLYING WITH REQUIREMENTS OF THE PERMITTED DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE INFORMATION IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES, AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.

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BY:

"REVIEWED and APPROVED
FOR CODE COMPLIANCE"
AUG 2 9 2018
NOVA ENGINEERING
and ENVIRONMENTAL LLC

Stantec
Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131
☐ REVIEW NO EXCEPTIONS NOTED
Date: 8/31/18 By: R G

REVIEWED
CITY OF MIAMI BEACH
FIRE DEPARTMENT

1681 WEST VENTURES LLC
19501 Biscayne Boulevard, Suite 400
Aventura, FL 33180
T: (305) 914-8207

ARCHITECT:
Stantec
STANTEC ARCHITECTURE INC.
One Biscayne Tower Suite 1670
2 South Biscayne Boulevard
Miami, FL 33131-1804
T: (305) 482-8700 Fax: (305) 482-8770

GENERAL CONTRACTOR:
GRYCON
Building with Precision
GRYCON LLC
4101 Ravenswood RD Suite 325
Dania Beach, FL 33312
954-626-0451

WINDOW MANUFACTURER:
gmp
GM&P Consulting and Glazing Contractors,Inc
3580 NW 49th street
Miami, FL 33142 EE.UU
Tel: 305-638-6151
Fax: 305-638-5156

SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S
Cr51 B 80-58 OF. 901
Smart Office Center
Barranquilla, Colombia

FAÇADE+ENVELOPE
ENGINEERING CONSULTANTS, LLC
1930 HARRISON STREET, SUITE 204
HOLLYWOOD, FL 33020 (954) 589-1729
WWW.FACADENVELOPE.COM
CA# 30169

REVIEWED FOR
STRUCTURAL COMPLIANCE
MANUEL DE LOS REYES
LICENSE
No 71643
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
Nº 71643
M. DE LOS REYES, P.E.

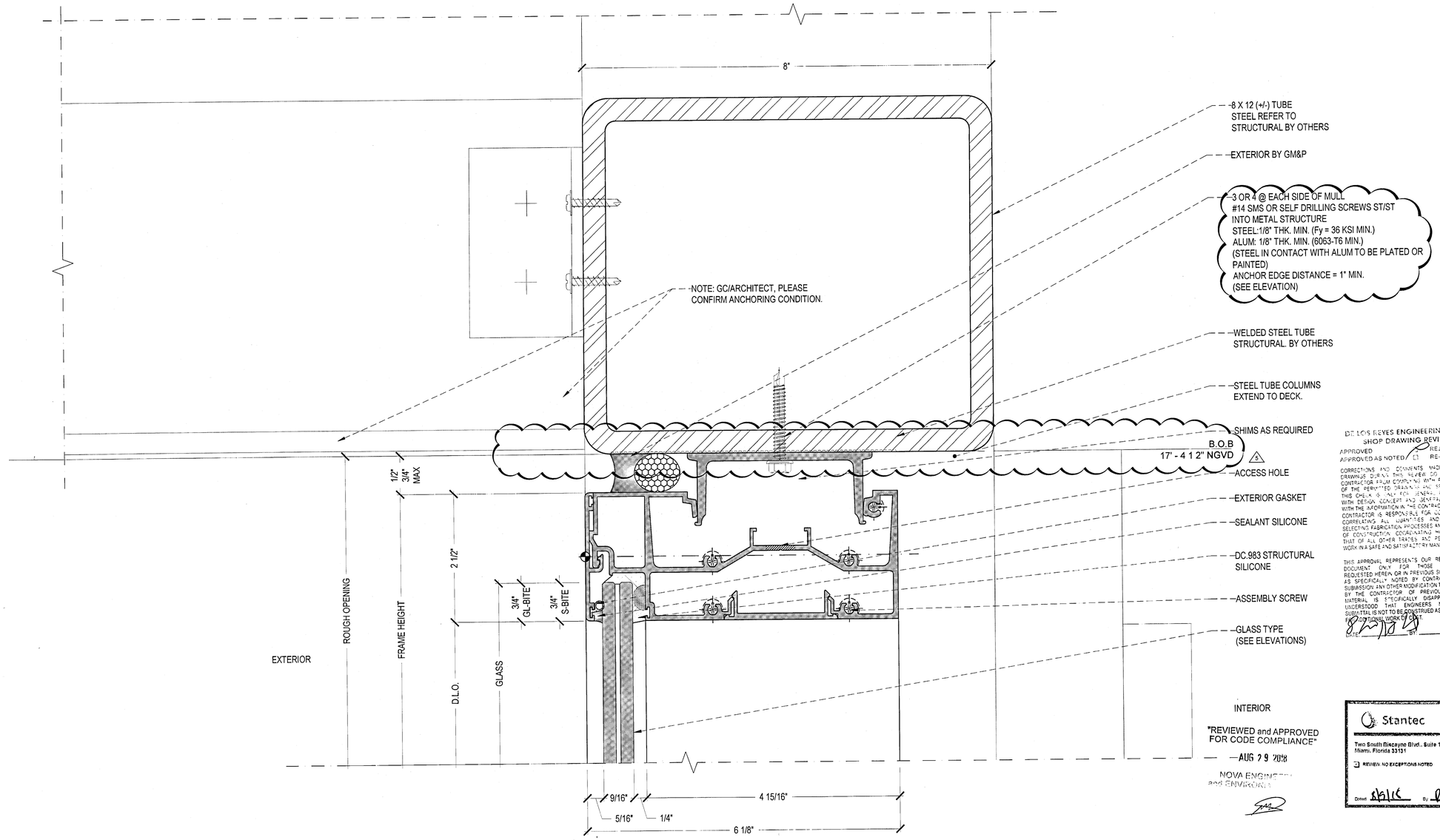
**17TH & WEST AVENUE**
**1220 17TH STREET**
**MIAMI BEACH, FLORIDA 33139**

| REVISION Nº | DATE | DESCRIPTION |
|---|---|---|
| 1 | 12. 15. 2017 | SHOP DRAWINGS FIRST SUBMITTAL |
| 2 | 12. 26. 2017 | FIRST SUBMITTAL UPDATE |
| 3 | 01. 22. 2018 | SHOP DRAWINGS FIRST RESUBMITTAL |
| 4 | 04. 24. 2018 | RESUBMITTAL UPDATE |
| 5 | 05. 16. 2018 | RESUBMITTAL PER BULLETIN #1 2018.04.10 |
| 6 | 06. 12. 2018 | RESUBMITTAL PER FEEC 060120118 JJ |

PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1'-0" = 1'-0"
CONTENT:
SYSTEM DETAILS
ES-7000

SHEET:
D-504

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE




"REVIEWED and APPROVED FOR CODE COMPLIANCE"
AUG 2 9 2018
NOVA ENGINEERING AND ENVIRONMENTAL

DE LOIS REYES ENGINEERING, INC.
SHOP DRAWING REVIEW
APPROVED ☐ REJECTED ☐
APPROVED AS NOTED ☑ RE-SUBMIT ☐
CORRECTIONS AND COMMENTS MADE ON SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLYING WITH REQUIREMENTS OF THE PERMITTED DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE INFORMATION IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.
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DATE 8/31/18 BY

Stantec
Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131
☑ REVIEW: NO EXCEPTIONS NOTED
Dated 8/31/18 By

1 SECTION DETAIL ES-7000 - HEAD TYP
FROM: 3/A807
1'-0"

REVIEWED
CITY OF MIAMI BEACH
FIRE DEPARTMENT

1681 WEST VENTURES LLC.
19501 Biscayne Boulevard, Suite 400
Aventura, FL 33180
T: (305) 914-8207

ARCHITECT:
Stantec
STANTEC ARCHITECTURE INC.
One Biscayne Tower Suite 1670
2 South Biscayne Boulevard
Miami, FL 33131-1804
T: (305) 482-8700 Fax: (305) 482-8770

GENERAL CONTRACTOR:
GRYCON
Building with Precision
GRYCON LLC
4101 Ravenswood RD Suite 305
Davie Beach, FL 33312
954-626-0451

WINDOW MANUFACTURER:
gmp
GM&P Consulting and Glazing Contractors,Inc
3950 NW 49th street
Miami, Fl. 33142 EE UU
Tel: 305-638-5151
Fax: 305-638-5158

SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S.
Cr51 B 80-58 OF. 901
Smart Office Center
Barranquilla, Colombia

FAÇADE+ENVELOPE
ENGINEERING CONSULTANTS, LLC
1930 HARRISON STREET, SUITE 204
HOLLYWOOD, FL 33020 (954) 589-1729
WWW.FACADEENVELOPE.COM
CA# 30168

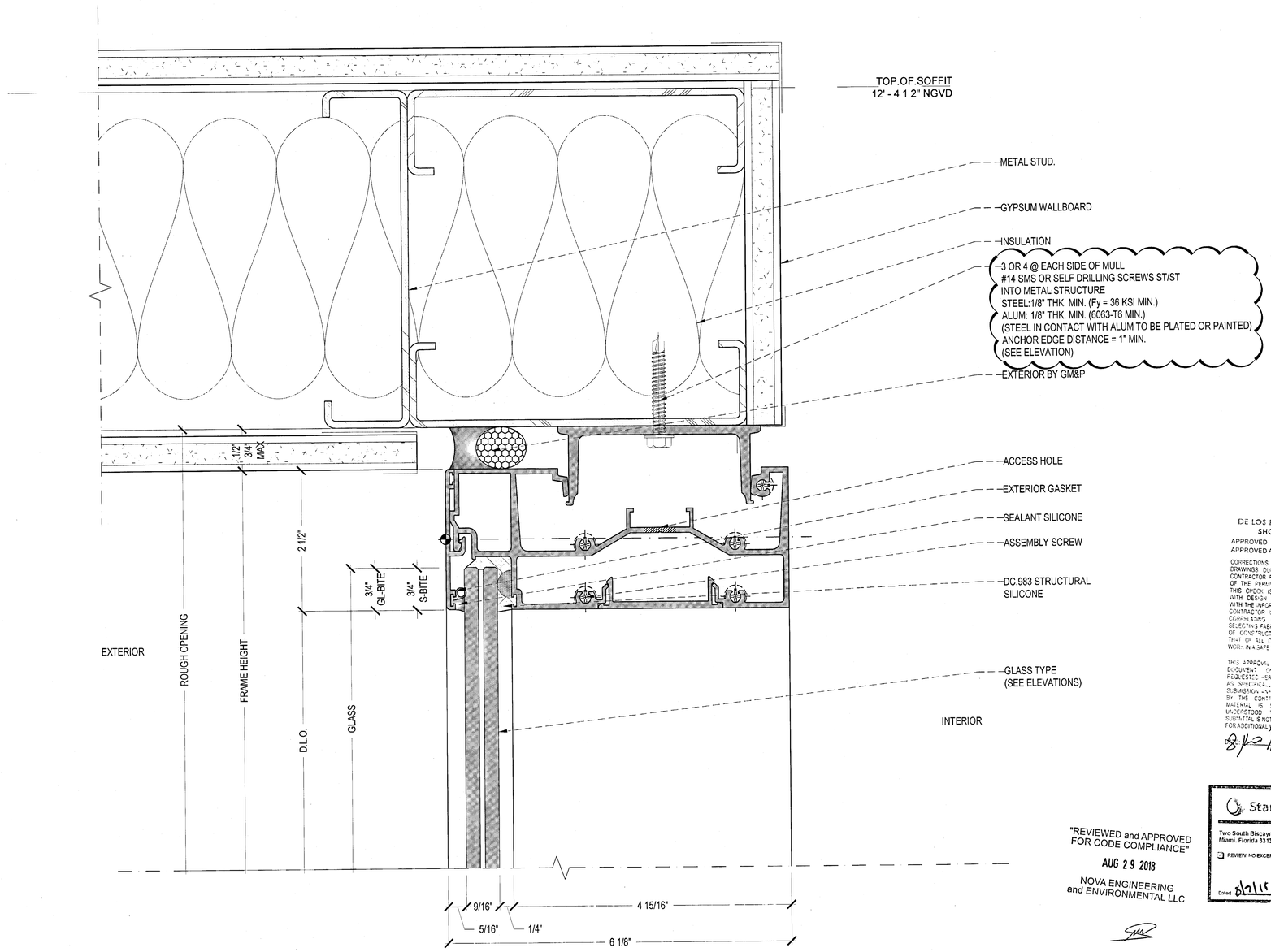
REVIEWED FOR STRUCTURAL COMPLIANCE
MANUEL MORALES LICENSE No 71643 STATE OF FLORIDA PROFESSIONAL ENGINEER

# 17TH & WEST AVENUE
# 1220 17TH STREET
# MIAMI BEACH, FLORIDA 33139

| REVISION N° | DATE | DESCRIPTION |
|---|---|---|
| 1 | 12. 15. 2017 | SHOP DRAWINGS FIRST SUBMITTAL |
| 2 | 12. 26. 2017 | FIRST SUBMITTAL UPDATE |
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| 4 | 04. 24. 2018 | RESUBMITTAL UPDATE |
| 5 | 05. 16. 2018 | RESUBMITTAL PER BULLETIN #1 2018.04.10 |
| 6 | 06. 12. 2018 | RESUBMITTAL PER FEEC 060120181 JJ |

PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1'-0" = 1'-0"
CONTENT:
SYSTEM DETAILS
ES-7000
SHEET:
D-505

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE




DE LOS REYES ENGINEERING, INC.
SHOP DRAWING REVIEW

APPROVED ☒ REJECTED ☐
APPROVED AS NOTED ☐ RE-SUBMIT ☐

CORRECTIONS AND COMMENTS MADE ON SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLYING WITH REQUIREMENTS OF THE PERMITTED DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE INFORMATION IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATION OF HIS WORK WITH THAT OF ALL OTHER TRADES AND TO PERFORM HIS WORK IN A SAFE AND SATISFACTORY MANNER.

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BY:

"REVIEWED and APPROVED
FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING
and ENVIRONMENTAL LLC

Stantec
Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131
REVIEW: NO EXCEPTIONS NOTED
Dated 8/27/18 By

1 SECTION DETAIL ES-7000 - HEAD TYP
FROM: 6/A9.15
1'-0"

REVIEWED
CITY OF MIAMI BEACH
PLANNING DEPARTMENT

1681 WEST VENTURES LLC
19501 Biscayne Boulevard, Suite 400
Aventura, FL 33180
T: (305) 914-8207

ARCHITECT:
Stantec
STANTEC ARCHITECTURE INC.
One Biscayne Tower Suite 1670
2 South Biscayne Boulevard
Miami, FL 33131-1804
T: (305) 482-8700 Fax: (305) 482-8770

GENERAL CONTRACTOR:
GRYCON
Building with Precision
GRYCON LLC
4101 Ravenswood RD Suite 325
Dania Beach, FL 33312
954-626-0451

WINDOW MANUFACTURER:
GM&P
GM&P Consulting and Glazing Contractors,Inc
3650 NW 49th street
Miami, Fl. 33142 EE.UU
Tel: 305-638-5151
Fax: 305-638-5158

SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S.
Cr51 B 80-58 OF. 901
Smart Office Center
Barranquilla, Colombia

FAÇADE+ENVELOPE
ENGINEERING CONSULTANTS, LLC
1900 HARRISON STREET SUITE 204
HOLLYWOOD, FL 33020 (954) 585-1729
WWW.FACADENVELOPE.COM
CA# 30188

MANUEL MORALES
LICENSE
No 71643
STATE OF FLORIDA
PROFESSIONAL ENGINEER
MANUEL MORALES, P.E.
FL. Reg # 71643

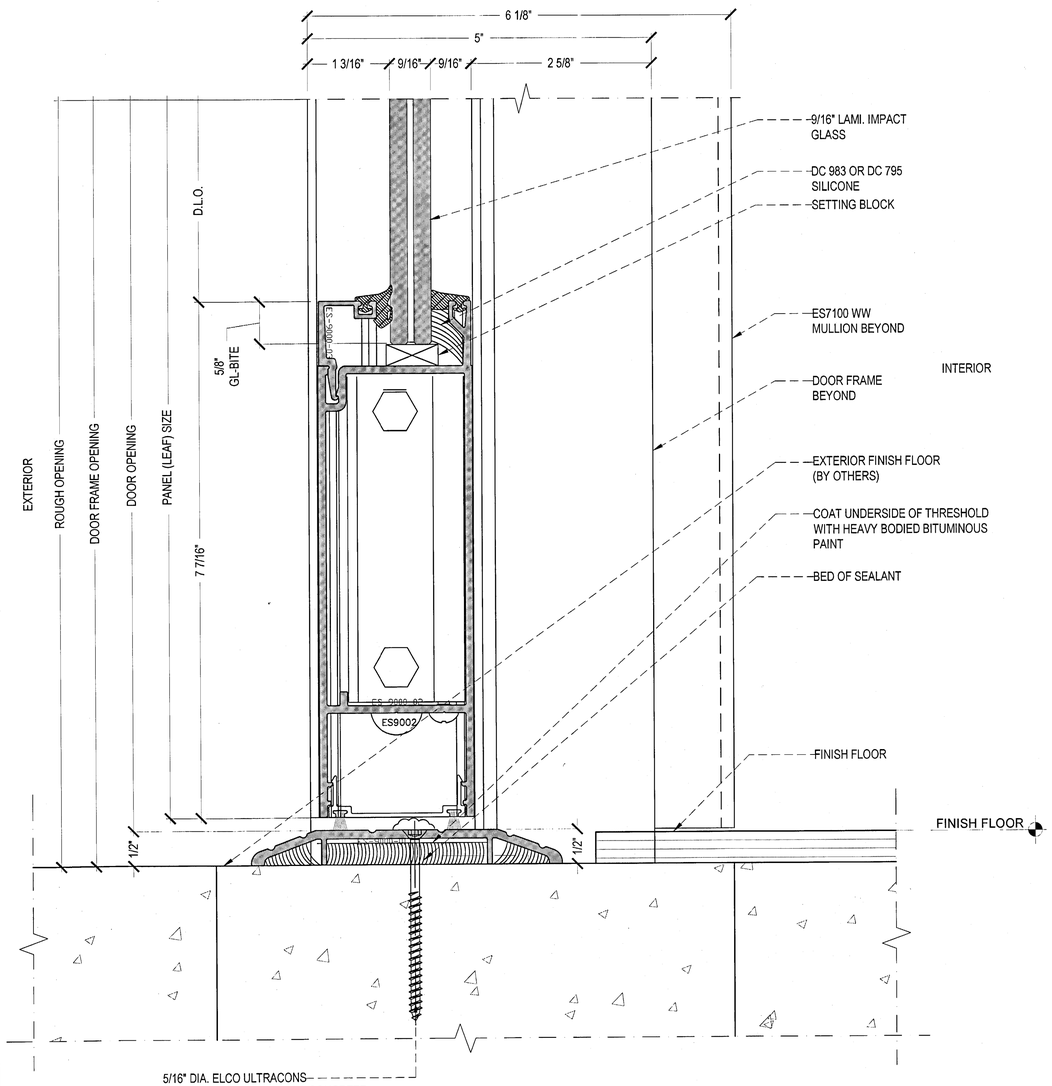
# 17TH & WEST AVENUE
# 1220 17TH STREET
# MIAMI BEACH, FLORIDA 33139

| REVISION N° | DATE | DESCRIPTION |
|---|---|---|
| 1 | 12. 15. 2017 | SHOP DRAWINGS FIRST SUBMITTAL |
| 2 | 12. 26. 2017 | FIRST SUBMITTAL UPDATE |
| 3 | 01. 22. 2018 | SHOP DRAWINGS FIRST RESUBMITTAL |
| 4 | 04. 24. 2018 | RESUBMITTAL UPDATE |
| 5 | 05. 16. 2018 | RESUBMITTAL PER BULLETIN #1 20.8.04.10 |
| 6 | 06. 12. 2018 | RESUBMITTAL PER FEEC 06012018 JJ |

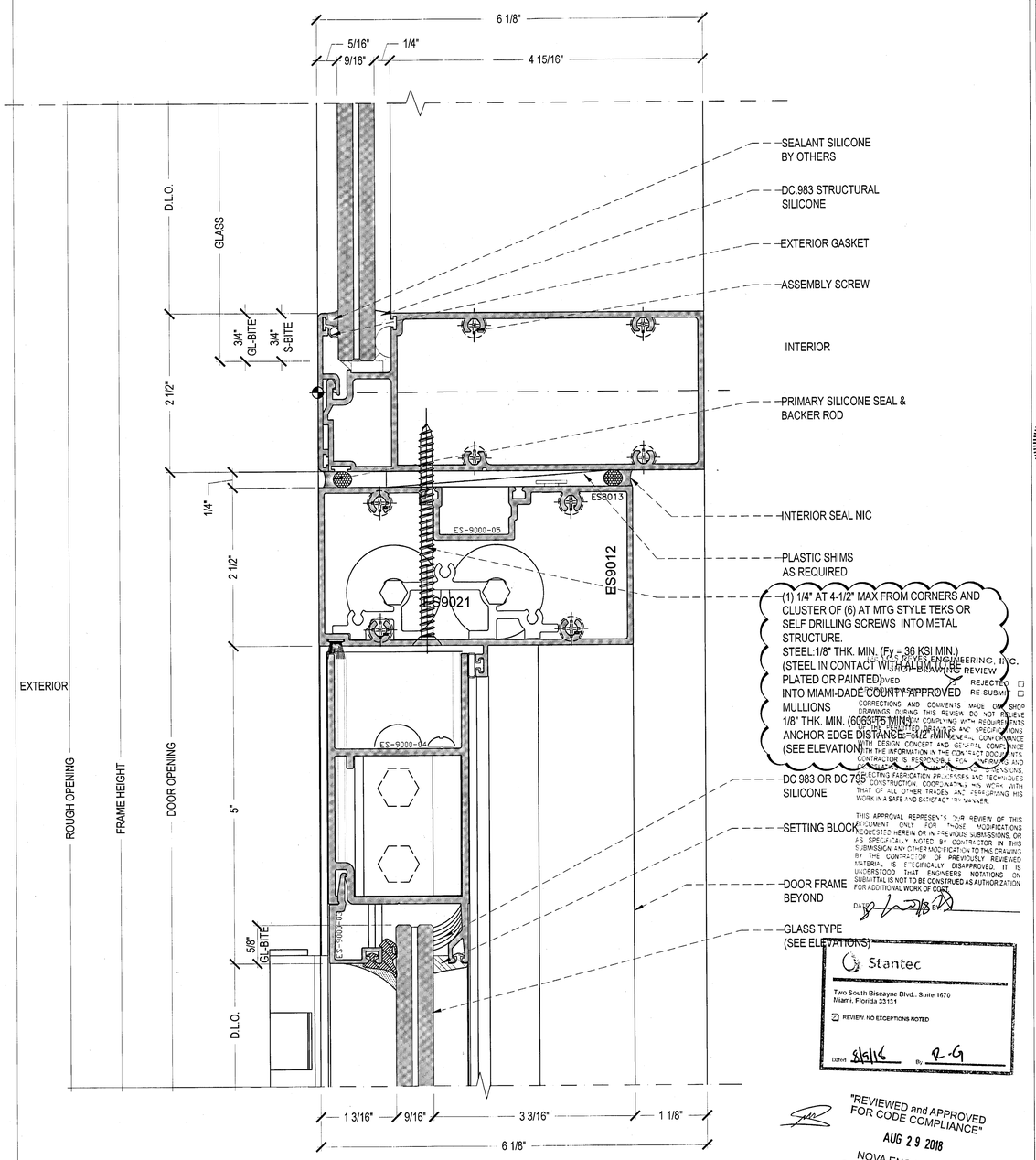
PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1'-0" = 1'-0"
CONTENT:
SYSTEM DETAILS
ES-7000

SHEET:
D-506

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE




1 SECTION DETAIL ES-9000 SWING DOOR - SILL TYP.
FROM: 4/A9.16 1'-0"= 1'-0"




2 SECTION DETAIL ES-7000 & ES-9000 SWING DOOR - TYP.
FROM: 5/A9.16 1'-0"= 1'-0"

"REVIEWED and APPROVED FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING and ENVIRONMENTAL LLC

REVIEWED
CITY OF MIAMI BEACH
BUILDING DEPARTMENT

1661 WEST VENTURES LLC.
19501 Biscayne Boulevard, Suite 400
Aventura, FL 33180
T: (305) 914-8007

ARCHITECT:
Stantec
STANTEC ARCHITECTURE INC.
One Biscayne Tower Suite 1870
2 South Biscayne Boulevard
Miami, FL 33131-1804
T: (305) 482-8700 Fax: (305) 482-8770

GENERAL CONTRACTOR:
GRYCON
Building with Precision
GRYCON LLC
4101 Ravenswood RD Suite 325
Dania Beach, FL 33312
954-626-0451

WINDOW MANUFACTURER:
gmp
GM&P Consulting and Glazing Contractors,Inc
3550 NW 49th street
Miami, FL 33142 EE.UU
Tel: 305-638-5151
Fax: 305-638-5158

SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S.
Cr5ª B 80-58 OF. 901
Smart Office Center
Barranquilla, Colombia

FAÇADE+ENVELOPE
ENGINEERING CONSULTANTS, LLC
1930 HARRISON STREET, SUITE 204
HOLLYWOOD, FL 33020 (954) 558-1729
WWW.FACADENVELOPE.COM
CA# 30168

REVIEWED FOR STRUCTURAL COMPLIANCE
MANUEL MOBARAK LICENSE No 71649 STATE OF FLORIDA PROFESSIONAL ENGINEER
7/19
SIGNATURE AND SEAL P.E.

NOVA ENGINEERING, INC.
REVIEWED FOR SHOP DRAWING REVIEW
APPROVED ☐ REJECTED ☐
NOTED ☐ RE-SUBMIT ☐
CORRECTIONS AND COMMENTS MADE ON SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLYING WITH REQUIREMENTS OF CONTRACT DRAWINGS AND SPECIFICATIONS. THIS REVIEW IS ONLY FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE INFORMATION IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.

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DATE 8/29/18

Stantec
Two South Biscayne Blvd., Suite 1870
Miami, Florida 33131
REVIEW: NO EXCEPTIONS NOTED
Date: 8/31/18 By: R-G

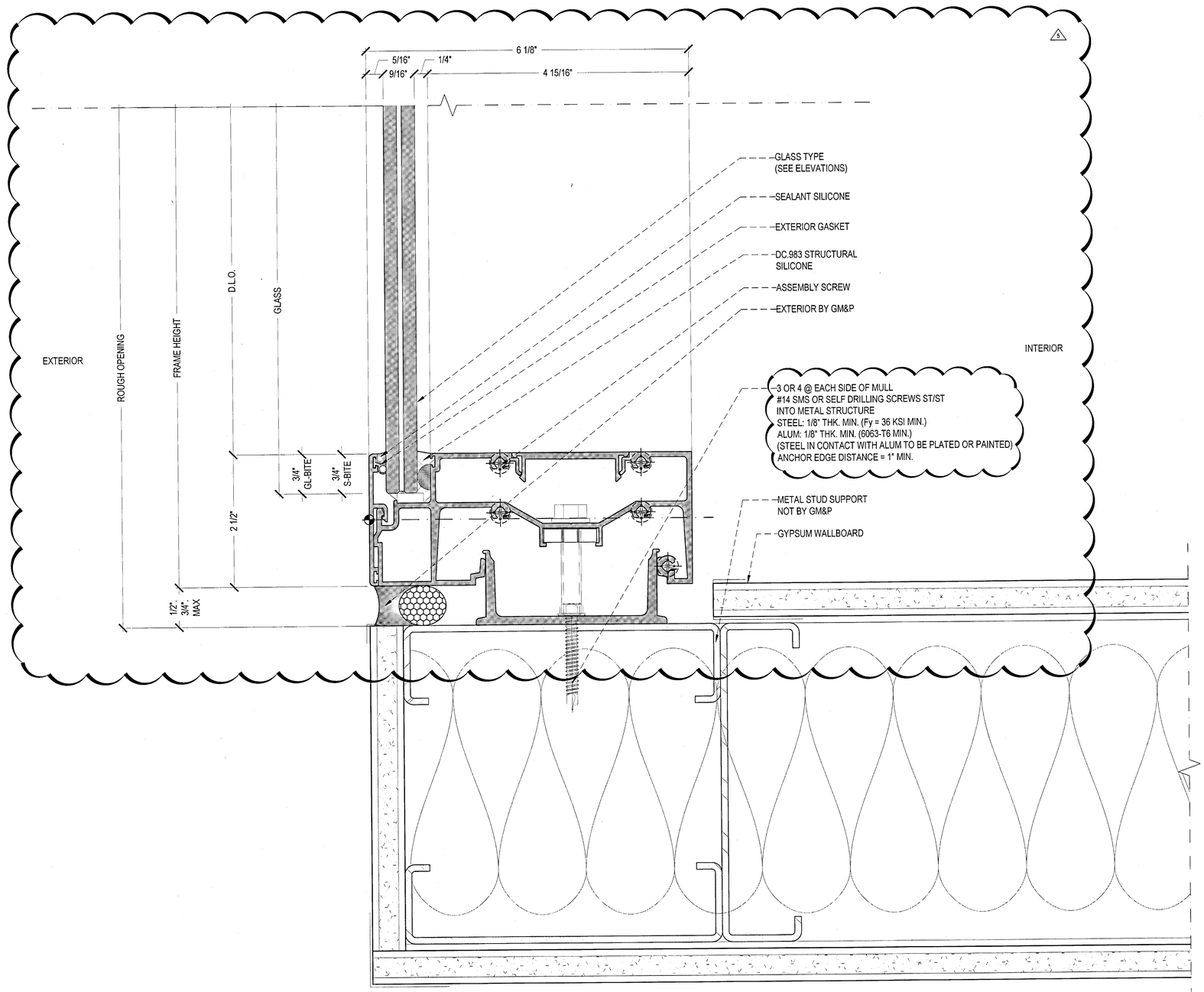
| REVISION N° | DATE | DESCRIPTION |
|---|---|---|
| 1 | 12. 15. 2017 | SHOP DRAWINGS FIRST SUBMITTAL |
| 2 | 12. 29. 2017 | FIRST SUBMITTAL UPDATE |
| 3 | 01. 22. 2018 | SHOP DRAWINGS FIRST RESUBMITTAL |
| 4 | 04. 24. 2018 | RESUBMITTAL UPDATE |
| 5 | 05. 16. 2018 | RESUBMITTAL PER BULLETIN N° 20/18 (04.19) |
| 6 | 06. 12. 2018 | RESUBMITTAL PER FEEC 06012018 JJ |

17TH & WEST AVENUE
1220 17TH STREET
MIAMI BEACH, FLORIDA 33139

PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1'-0" = 1'-0"
CONTENT:
SYSTEM DETAILS
ES-7000 - ES-9000

SHEET:
D-508

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE




1 SECTION DETAIL ES-7000 - SILL TYP.
FROM: 6/A9.16 1'-0"

DE LOS REYES ENGINEERING, INC.
SHOP DRAWING REVIEW
APPROVED ☐ REJECTED ☐
APPROVED AS NOTED ☒ RE SUBMIT ☐
CORRECTIONS AND COMMENTS MADE ON SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLIANCE WITH REQUIREMENTS OF THE PERMITTED DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE INFORMATION IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.
THIS APPROVAL REPRESENTS OUR REVIEW OF THIS DOCUMENT ONLY FOR THOSE MODIFICATIONS REQUESTED HEREIN OR IN PREVIOUS SUBMISSIONS, OR AS SPECIFICALLY NOTED BY CONTRACTOR IN THIS SUBMISSION ANY OTHER MODIFICATION TO THIS DRAWING BY THE CONTRACTOR OF PREVIOUSLY REVIEWED MATERIAL IS SPECIFICALLY DISAPPROVED. IT IS UNDERSTOOD THAT ENGINEERS NOTATIONS ON SUBMITTAL IS NOT TO BE CONSTRUED AS AUTHORIZATION FOR ADDITIONAL WORK OR COST.
DATE 8/29/18

Stantec
Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131
☐ REVIEW, NO EXCEPTIONS NOTED
Dated 8/29/18 By R.G.

"REVIEWED and APPROVED
FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING
and ENVIRONMENTAL LLC

REVIEWED
CITY OF MIAMI BEACH
PLANNING DEPARTMENT

1681 WEST VENTURES LLC
19501 Biscayne Boulevard, Suite 400
Aventura, FL 33180
T: (305) 914-8207

ARCHITECT:
Stantec
STANTEC ARCHITECTURE INC.
One Biscayne Tower Suite 1670
2 South Biscayne Boulevard
Miami, FL 33131-1804
T: (305) 482-8700 Fax: (305) 482-8770

GENERAL CONTRACTOR:
GRYCON
Building with Precision
GRYCON LLC
4101 Ravenswood RD Suite 325
Dania Beach, FL 33312
954-626-0451

WINDOW MANUFACTURER:
gmp
GM&P Consulting and Glazing Contractors,Inc
3550 NW 49th street
Miami, FL 33142 EE.UU
Tel: 305-638-5151
Fax: 305-638-5158

SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S.
CR 8 80-58 OF. 501
Smart Office Center
Barranquilla, Colombia

FAÇADE+ENVELOPE
ENGINEERING CONSULTANTS, LLC
1800 HARRISON STREET, SUITE 204
HOLLYWOOD, FL 33020 (954) 589-1729
WWW.FACADEVELOPE.COM
CA# 30168

REVIEWED BY:
STRUCTURAL: MANUEL L. MORALES
LICENSE
No 71643
STATE OF FLORIDA
PROFESSIONAL ENGINEER
MANUEL L. MORALES
FL. REG. No. 71643

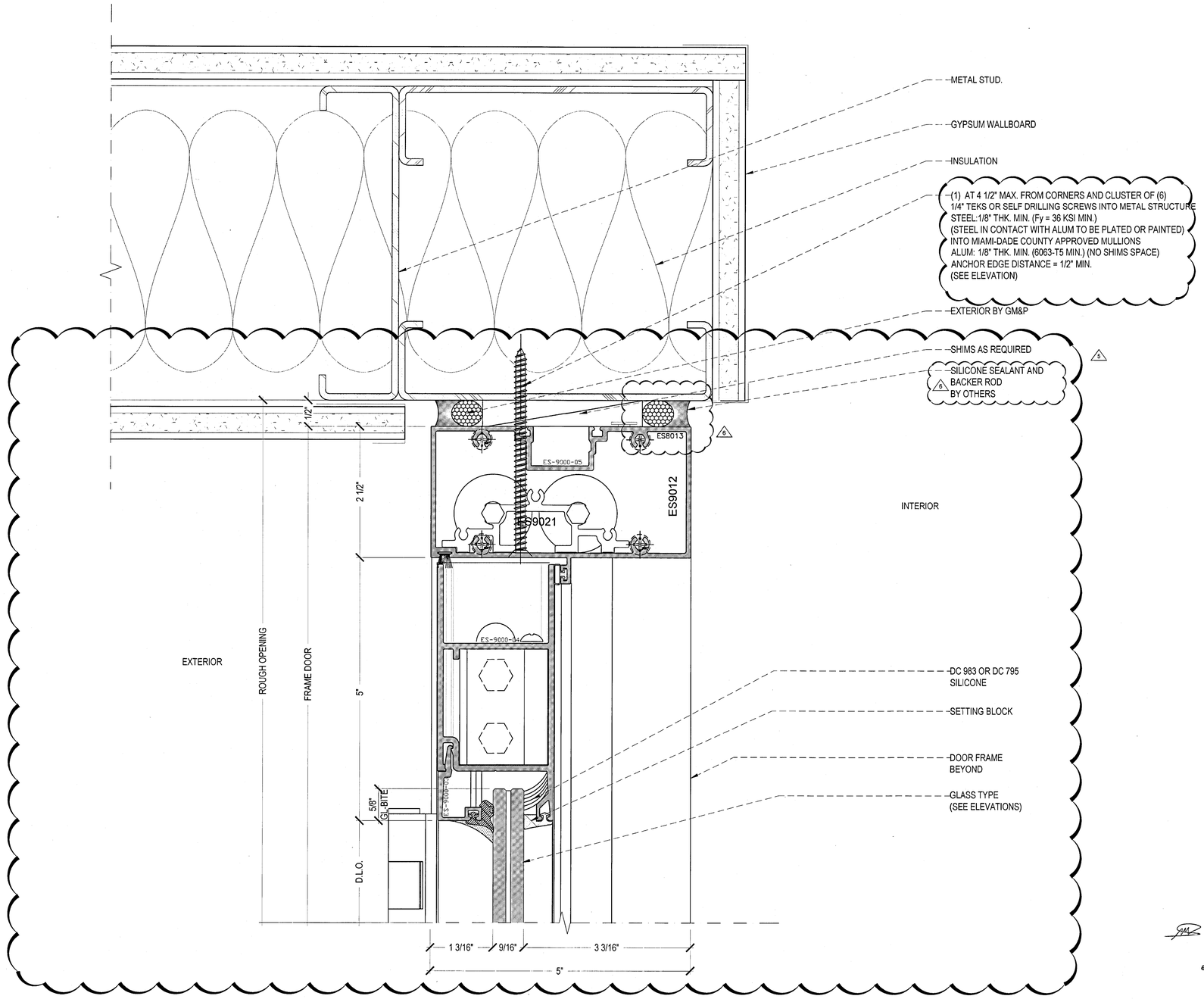
**17TH & WEST AVENUE**
**1220 17TH STREET**
**MIAMI BEACH, FLORIDA 33139**

| REVISION N° | DATE | DESCRIPTION |
|---|---|---|
| 1 | 12. 15. 2017 | SHOP DRAWINGS FIRST SUBMITTAL |
| 2 | 12. 26. 2017 | FIRST SUBMITTAL UPDATE |
| 3 | 01. 22. 2018 | SHOP DRAWINGS FIRST RESUBMITTAL |
| 4 | 04. 24. 2018 | RESUBMITTAL UPDATE |
| 5 | 05. 14. 2018 | RESUBMITTAL PER BULLETIN #1 2018.04.10 |
| 6 | 06. 12. 2018 | RESUBMITTAL PER FEEC 06012018 JJ |

PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1'-0" = 1'-0"
CONTENT:
SYSTEM DETAILS
ES-7000 - ES-9000

SHEET:
D-509

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE




1 SECTION DETAIL ES-9000 SWING HEAD DOOR - TYP.
FROM: 6/A9.16
1'-0"= 1'-0"

DE LOS REYES ENGINEERING, INC.
SHOP DRAWING REVIEW
APPROVED ☐ REJECTED ☐
APPROVED AS NOTED ☐ RE-SUBMIT ☐
CORRECTIONS AND COMMENTS MADE ON SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLIANCE WITH REQUIREMENTS OF THE PERMITTED DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE INFORMATION IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES, AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.
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BY:

Stantec
Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131
☑ REVIEW. NO EXCEPTIONS NOTED
Dated 8/15/18 By R.G

"REVIEWED and APPROVED FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING and ENVIRONMENTAL LLC

REVIEWED
CITY OF MIAMI BEACH
FIRE DEPARTMENT

1661 WEST VENTURES LLC.
19501 Biscayne Boulevard, Suite 400
Aventura, FL 33180
T: (305) 914-8207

ARCHITECT:
Stantec
STANTEC ARCHITECTURE INC.
One Biscayne Tower Suite 1670
2 South Biscayne Boulevard
Miami, FL 33131-1804
T: (305) 482-8700 Fax: (305) 482-8770

GENERAL CONTRACTOR:
GRYCON
Building with Precision
GRYCON LLC
4101 Ravenswood RD Suite 325
Dania Beach, FL 33312
954-626-0451

WINDOW MANUFACTURER:
gmp
GM&P Consulting and Glazing Contractors,Inc
3550 NW 49th street
Miami, Fl. 33142 EE.UU
Tel: 305-638-5151
Fax: 305-638-5158

SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S.
Cr51 B 80-58 OF. 501
Smart Office Center
Barranquilla, Colombia

FAÇADE+ENVELOPE
ENGINEERING CONSULTANTS, LLC
1930 HARRISON STREET, SUITE 204
HOLLYWOOD, FL 33020 (954) 589-1729
WWW.FACADEANDENVELOPE.COM
CA# 30169

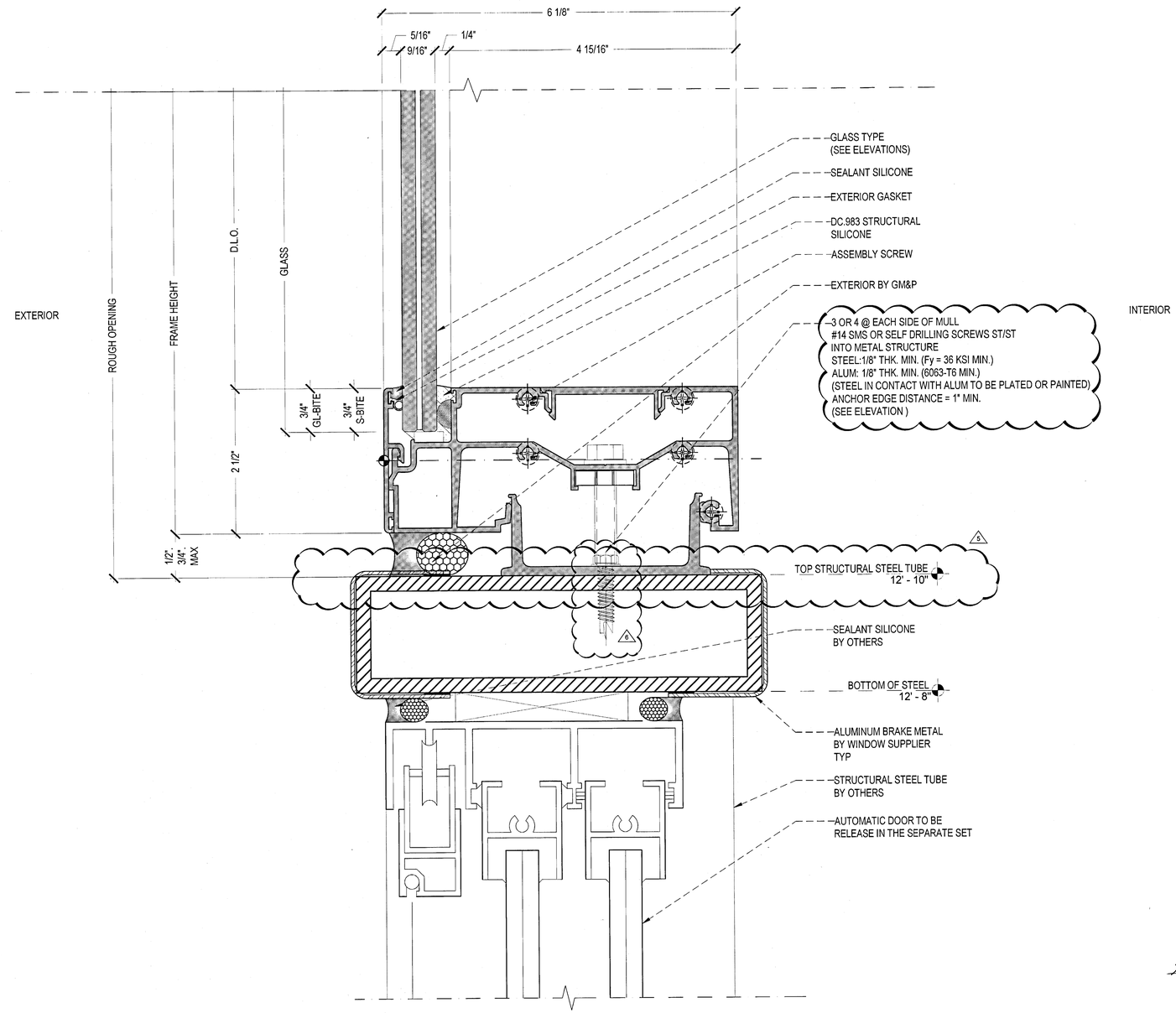
REVIEWED FOR STRUCTURAL COMPLIANCE
MANUEL MORALES LICENSE No 71643 STATE OF FLORIDA PROFESSIONAL ENGINEER

17TH & WEST AVENUE
1220 17TH STREET
MIAMI BEACH, FLORIDA 33139

| REVISION N° | DATE | DESCRIPTION |
|---|---|---|
| A | 12. 15. 2017 | SHOP DRAWINGS FIRST SUBMITTAL |
| A | 12. 26. 2017 | FIRST SUBMITTAL UPDATE |
| B | 01. 22. 2018 | SHOP DRAWINGS FIRST RESUBMITTAL |
| A | 04. 24. 2018 | RESUBMITTAL UPDATE |
| A | 05. 16. 2018 | RESUBMITTAL PER BULLETIN N° 1 2018.04.10 |
| B | 06. 12. 2018 | RESUBMITTAL PER FEEC 06012018 JJ |

PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1'-0" = 1'-0"
CONTENT:
SYSTEM DETAILS
ES-7000 - ES-9000
SHEET:
D-510

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE




1 SECTION DETAIL ES-7000 - SILL TYP.
FROM: 12/A9.16
1"-0"= 1'-0"

DE LOS REYES ENGINEERING, INC.
SHOP DRAWING REVIEW
APPROVED ☐ REJECTED ☐
APPROVED AS NOTED ☐ RE-SUBMIT ☐
CORRECTIONS AND COMMENTS MADE ON SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLYING WITH REQUIREMENTS OF THE PERMITTED DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE INFORMATION IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.
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DATE: 8/29/18 BY:

Stantec
Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131
☐ REVIEW, NO EXCEPTIONS NOTED
Dated: 8/29/18 By: R.G

"REVIEWED and APPROVED FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING and ENVIRONMENTAL LLC

REVIEWED
CITY OF MIAMI BEACH
FIRE DEPARTMENT

1681 WEST VENTURES LLC.
19501 Biscayne Boulevard, Suite 400
Aventura, FL 33180
T: (305) 914-8207

ARCHITECT:
Stantec
STANTEC ARCHITECTURE INC.
One Biscayne Tower Suite 1670
2 South Biscayne Boulevard
Miami, FL 33131-1804
T: (305) 482-8700 Fax: (305) 482-8770

GENERAL CONTRACTOR:
GRYCON
Building with Precision
GRYCON LLC
4101 Ravenswood RD Suite 325
Dania Beach, FL 33312
954-626-0451

WINDOW MANUFACTURER:
gmp
GM&P Consulting and Glazing Contractors,Inc
3950 NW 49th street
Miami, FL 33142 EE UU
Tel. 305-638-5151
Fax. 305-638-5158

SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S.
Cr51 B 80-58 OF. 901
Smart Office Center
Barranquilla, Colombia

FAÇADE+ENVELOPE
ENGINEERING CONSULTANTS, LLC
1930 HARRISON STREET, SUITE 204
HOLLYWOOD, FL 33020 (954) 589-1729
WWW.FACADENVELOPE.COM
CA# 30169

REVIEWED FOR
STRUCTURAL COMPLIANCE
MANUEL MORALES
LICENSE
No 71643
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

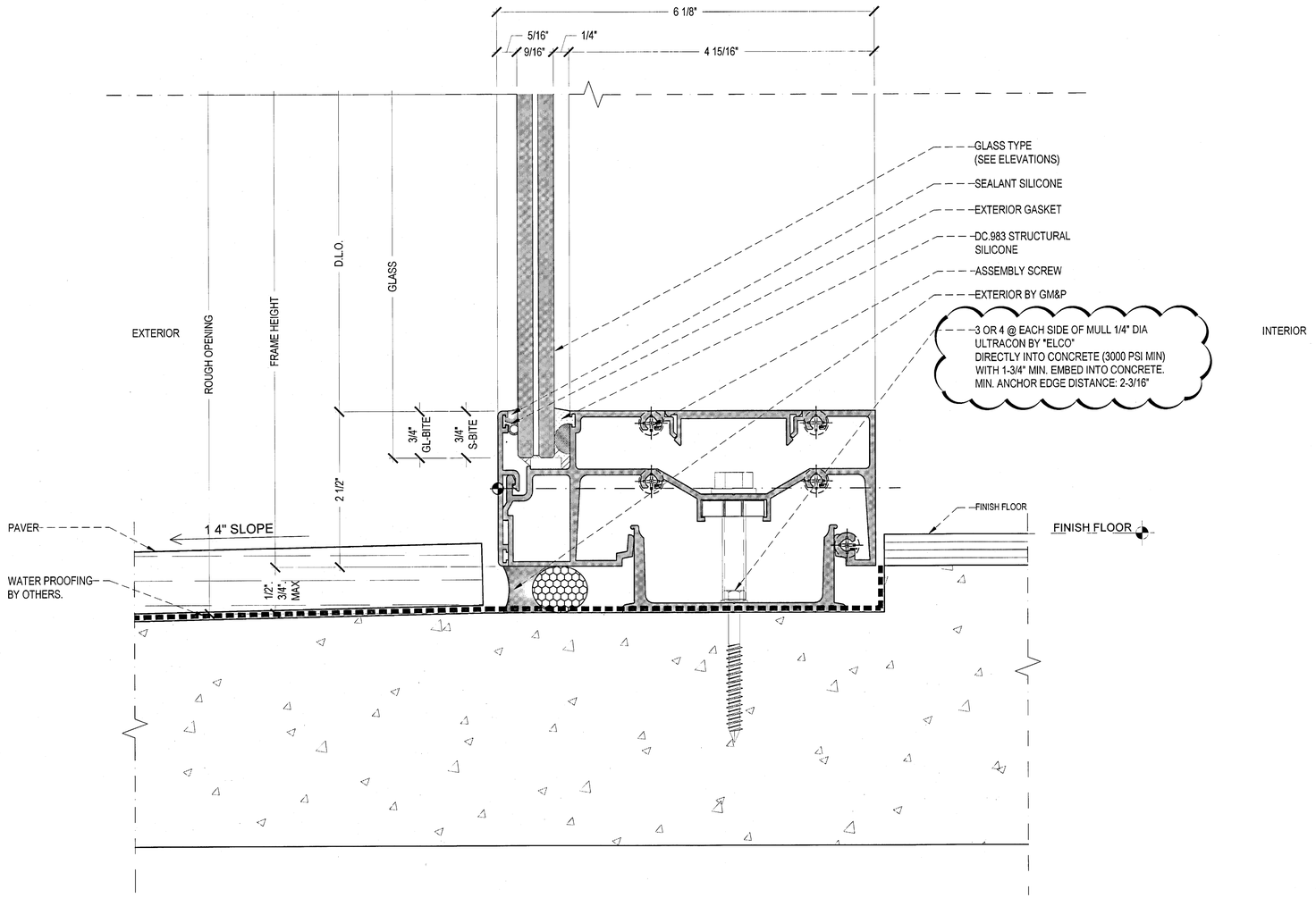
**17TH & WEST AVENUE**
**1220 17TH STREET**
**MIAMI BEACH, FLORIDA 33139**

| REVISION N° | DATE | DESCRIPTION |
|---|---|---|
| 1 | 12. 15. 2017 | SHOP DRAWINGS FIRST SUBMITTAL |
| 1A | 12. 26. 2017 | FIRST SUBMITTAL UPDATE |
| 3 | 01. 22. 2018 | SHOP DRAWINGS FIRST RESUBMITTAL |
| 4 | 04. 24. 2018 | RESUBMITTAL UPDATE |
| 5 | 05. 16. 2018 | RESUBMITTAL PER BULLETIN #1 2018.04.10 |
| 6 | 06. 12. 2018 | RESUBMITTAL PER FEEC 06012018 JJ |

PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1'-0" = 1'-0"
CONTENT:
SYSTEM DETAILS
ES-7000

SHEET:
D-512

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE




1 SECTION DETAIL ES-7000 - SILL TYP @ BALCONY.
FROM: 13/A9.16
1'-0"

DE LOS REYES ENGINEERING, INC.
SHOP DRAWING REVIEW
APPROVED ☐ REJECTED ☐
APPROVED AS NOTED ☒ RE-SUBMIT ☐
CORRECTIONS AND COMMENTS MADE ON SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLIANCE WITH REQUIREMENTS OF THE PERMITTED DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE INFORMATION IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.
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DATE 8/29/18 BY

Stantec
Two South Biscayne Blvd., Suite 1070
Miami, Florida 33131
☑ REVIEW: NO EXCEPTIONS NOTED
Dated 8/29/18 By R.G

"REVIEWED and APPROVED FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING and ENVIRONMENTAL LLC

REVIEWED
CITY OF MIAMI BEACH
FIRE DEPARTMENT

1661 WEST VENTURES LLC
19501 Biscayne Boulevard, Suite 400
Aventura, FL 33180
T: (305) 914-8297

ARCHITECT:
Stantec
STANTEC ARCHITECTURE INC.
One Biscayne Tower Suite 1670
2 South Biscayne Boulevard
Miami, FL 33131-1804
T: (305) 482-8700 Fax: (305) 482-8770

GENERAL CONTRACTOR:
GRYCON
Building with Precision
GRYCON LLC
4101 Ravenswood RD Suite 325
Dania Beach, FL 33312
954-626-0451

WINDOW MANUFACTURER:
gmp
GM&P Consulting and Glazing Contractors,Inc
3950 NW 49th street
Miami, FL 33142 EE.UU
Tel: 305-638-5151
Fax: 305-638-5158

SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S.
Cr51 B 80-58 OF. 901
Smart Office Center
Barranquilla, Colombia

FAÇADE+ENVELOPE
ENGINEERING CONSULTANTS, LLC
1930 HARRISON STREET, SUITE 204
HOLLYWOOD, FL 33020 (954) 569-1729
WWW.FACADENVELOPE.COM
C/A# 30168

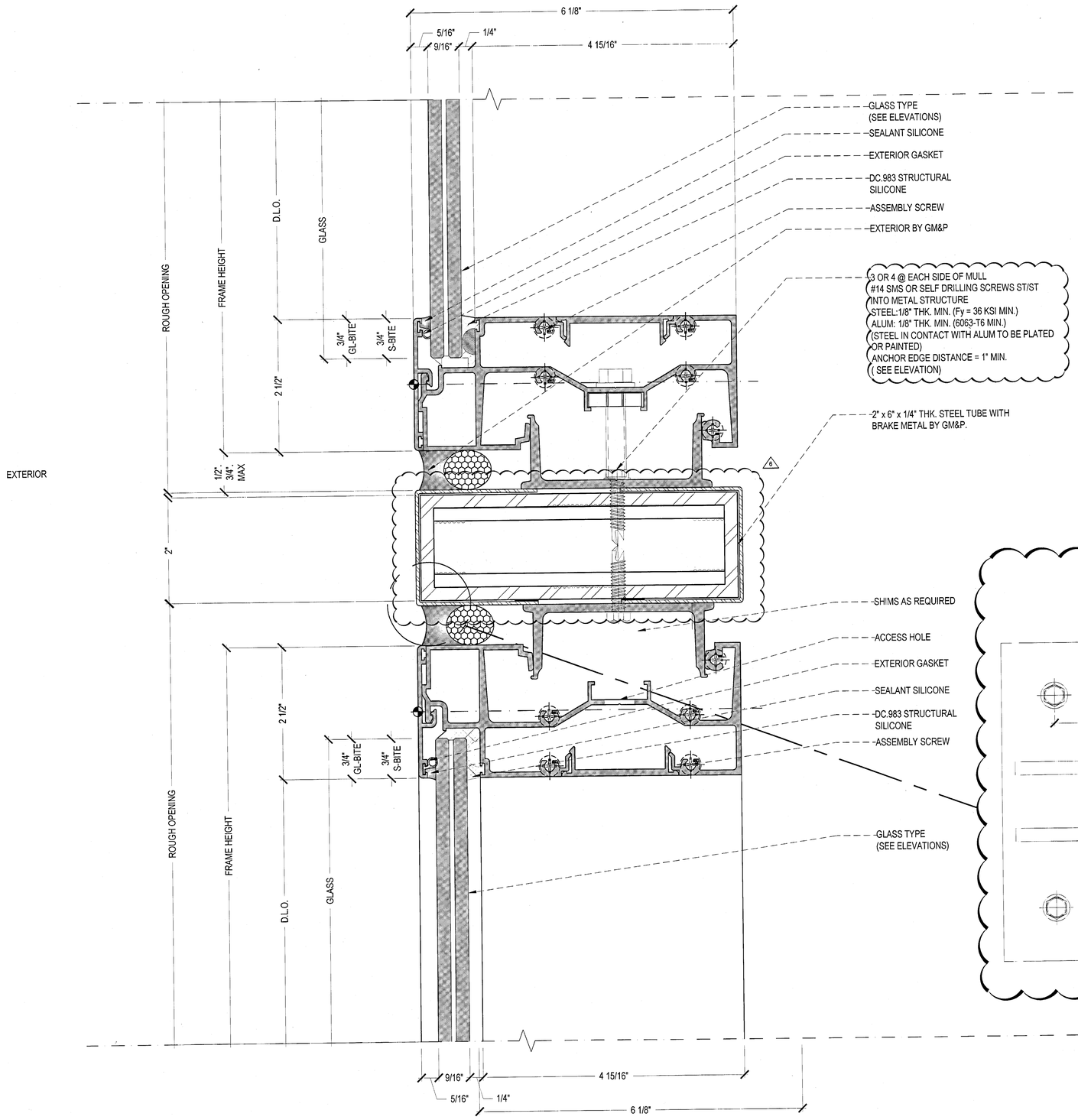
REVISED FOR
STRUCTURAL ENGINEERING
MANUEL DE LOS REYES
LICENSE
No 71643
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

17TH & WEST AVENUE
1220 17TH STREET
MIAMI BEACH, FLORIDA 33139

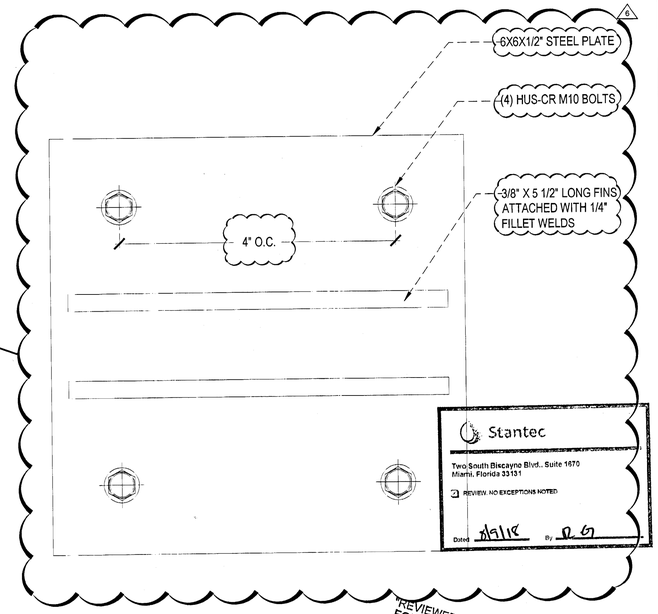
| REVISION N° | DATE | DESCRIPTION |
|---|---|---|
| 1 | 12. 15. 2017 | SHOP DRAWINGS FIRST SUBMITTAL |
| 2 | 12. 26. 2017 | FIRST SUBMITTAL UPDATE |
| 3 | 01. 22. 2018 | SHOP DRAWINGS FIRST RESUBMITTAL |
| 4 | 04. 24. 2018 | RESUBMITTAL UPDATE |
| 5 | 05. 16. 2018 | RESUBMITTAL PER BULLETIN #1 2018.04.19 |
| 6 | 06. 12. 2018 | RESUBMITTAL PER FEEC 06012018 JJ |

PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1'-0" = 1'-0"
CONTENT:
SYSTEM DETAILS
ES-7000
SHEET:
D-513

MIAMI BEACH
REVIEWED FOR
CODE COMPLIANCE




INTERIOR




DE LOS REYES ENGINEERING, INC.
SHOP DRAWING REVIEW

APPROVED ☐ REJECTED ☐
APPROVED AS NOTED ☐ RE-SUBMIT ☐

CORRECTIONS AND COMMENTS MADE ON SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLYING WITH REQUIREMENTS OF THE PERMITTED DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE INFORMATION IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.

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BY: _____

Stantec
Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131
☐ REVIEW, NO EXCEPTIONS NOTED
Dated 8/29/18 By D. G.

"REVIEWED and APPROVED FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING and ENVIRONMENTAL LLC

REVIEWED
CITY OF MIAMI BEACH
FIRE DEPARTMENT

1 SECTION DETAIL ES-7000 - SILL AND HEAD
FROM: 1'-0"= 1'-0"

1681 WEST VENTURES LLC.
19501 Biscayne Boulevard, Suite 400
Aventura, FL 33180
T. (305) 914-8207

ARCHITECT:
Stantec
STANTEC ARCHITECTURE INC.
One Biscayne Tower Suite 1870
2 South Biscayne Boulevard
Miami, FL 33131-1804
T. (305) 482-8700 Fax: (305) 482-8770

GENERAL CONTRACTOR:
GRYCON
Building with Precision
GRYCON LLC
4101 Ravenswood RD Suite 325
Dania Beach, FL 33312
954-626-0451

WINDOW MANUFACTURER:
gmp
GM&P Consulting and Glazing Contractors,Inc
3550 NW 49th street
Miami, FL 33142 EE.UU
Tel. 305-638-5151
Fax: 305-638-5158

SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S.
CRA 8 80-58 OF. 901
Smart Office Center
Barranquilla, Colombia

FAÇADE+ENVELOPE
ENGINEERING CONSULTANTS, LLC
1930 HARRISON STREET, SUITE 204
HOLLYWOOD, FL 33020 (954) 589-1729
WWW.FACADEENVELOPE.COM
CA# 30168

STRUCTURAL ENGINEER'S SEAL
No 71643
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
MANUEL DE LOS REYES, P.E.
FL. Reg # 71643

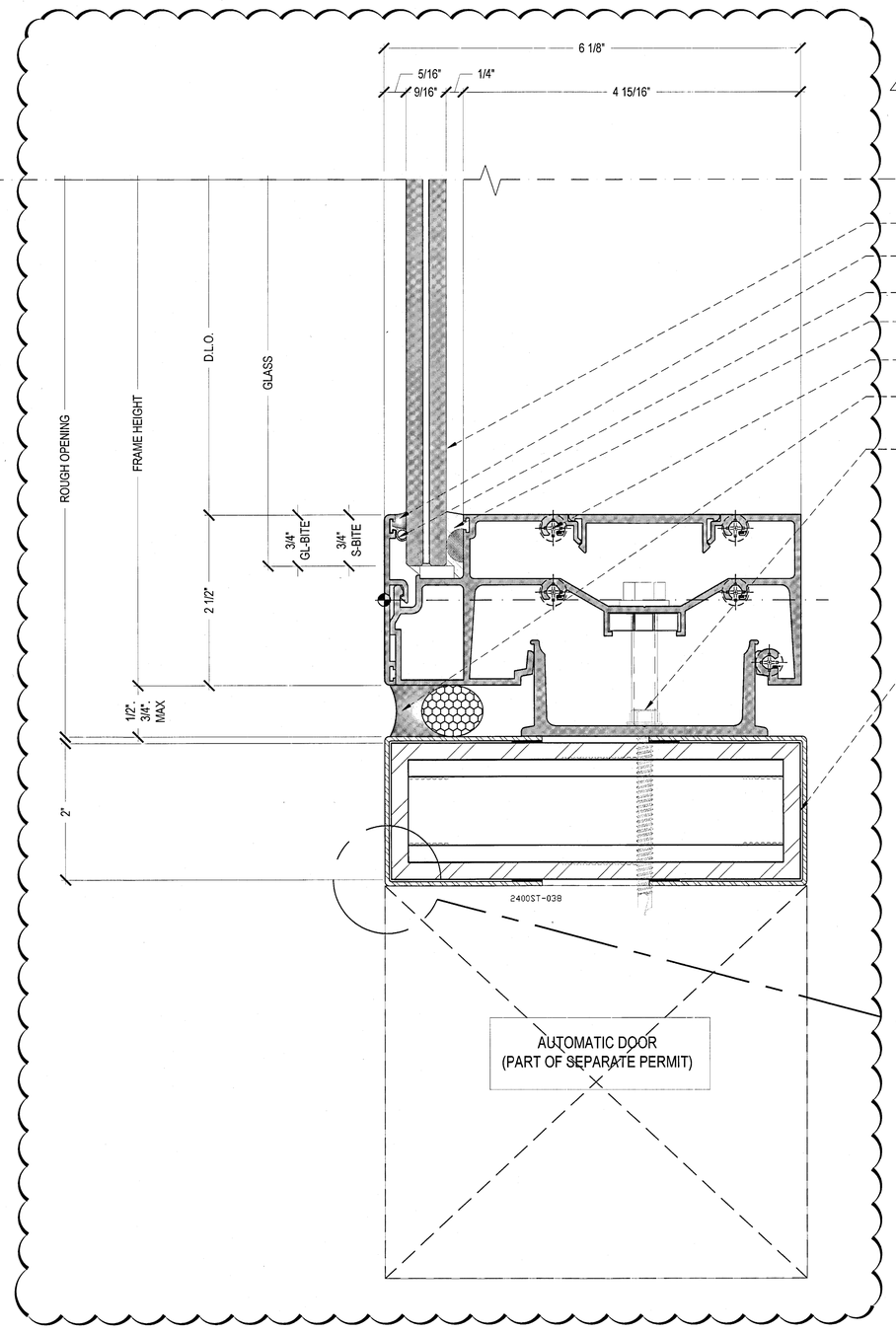
17TH & WEST AVENUE
1220 17TH STREET
MIAMI BEACH, FLORIDA 33139

| REVISION N° | DATE | DESCRIPTION |
|---|---|---|
| 1 | 12. 15. 2017 | SHOP DRAWINGS FIRST SUBMITTAL |
| 2 | 12. 26. 2017 | FIRST SUBMITTAL UPDATE |
| 3 | 01. 22. 2018 | SHOP DRAWINGS FIRST RESUBMITTAL |
| 4 | 04. 24. 2018 | RESUBMITTAL UPDATE |
| 5 | 05. 16. 2018 | RESUBMITTAL PER BULLETIN #1 20.8.04-10 |
| 6 | 06. 27. 2018 | RESUBMITTAL PER Additional + FEEC Comments |

PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1'-0" = 1'-0"
CONTENT:
SYSTEM DETAILS
ES-7000 - ES-9000

SHEET:
D-514.1

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE




DE LOS REYES ENGINEERING, INC.
SHOP DRAWING REVIEW
APPROVED ☐ REJECTED ☐
APPROVED AS NOTED ☐ RE-SUBMIT ☐
CORRECTIONS AND COMMENTS MADE ON SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLIANCE WITH REQUIREMENTS OF THE PERMITTED DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE INFORMATION IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR ALL DIMENSIONS AND CORRELATIONS, ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING THE WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING THE WORK IN A SAFE AND SATISFACTORY MANNER.
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BY:

Stantec
Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131
☐ REVIEW, NO EXCEPTIONS NOTED
Dated 8/29/18 By R.G.

"REVIEWED AND APPROVED FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING and ENVIRONMENTAL LLC

REVIEWED CITY OF MIAMI BEACH FIRE DEPARTMENT

1 SECTION DETAIL ES-7000 - 2400 TYP DOOR
FROM: 1'-0"= 1'-0"

1681 WEST VENTURES LLC.
19001 Biscayne Boulevard, Suite 400
Aventura, FL 33180
T: (305) 914-8207

ARCHITECT:
Stantec
STANTEC ARCHITECTURE INC.
One Biscayne Town Suite 1670
2 South Biscayne Boulevard
Miami, FL 33131-1804
T: (305) 482-8700 Fax: (305) 482-8770

GENERAL CONTRACTOR:
GRYCON
Building with Precision
GRYCON LLC
4101 Ravenswood RD Suite 325
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954-626-0451

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gmp
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Tel: 305-638-5151
Fax: 305-638-5158

SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S.
Cra 8 B 80-58 Of. 801
Smart Office Center
Barranquilla, Colombia

FAÇADE+ENVELOPE
ENGINEERING CONSULTANTS, LLC
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HOLLYWOOD, FL 33020 (954) 589-1729
WWW.FACADEENVELOPE.COM
CA# 30168

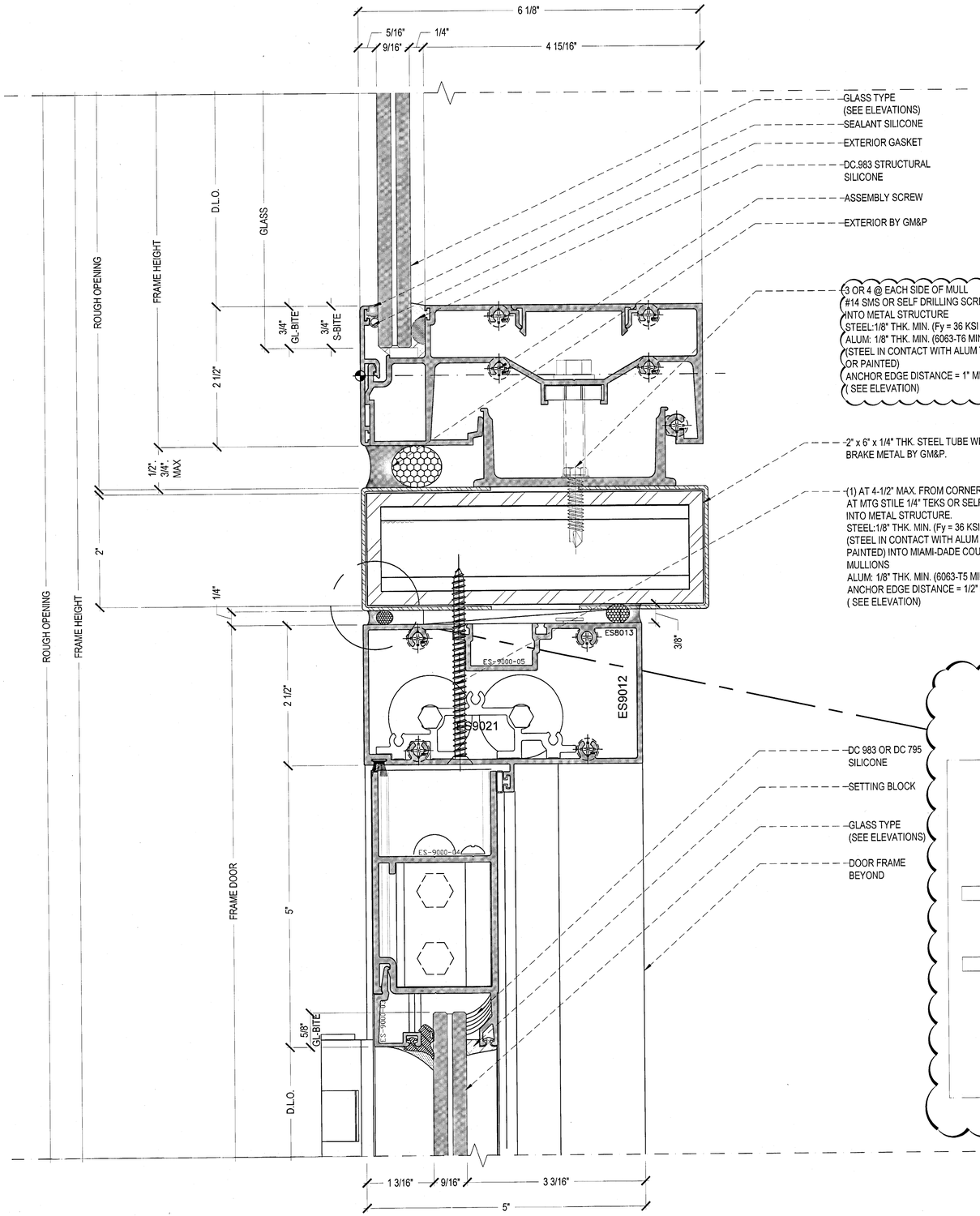
MARIO MORENO MARTINEZ LICENSE NUMBER No 71643 STATE OF FLORIDA PROFESSIONAL ENGINEER
MARIO MORENO MARTINEZ, P.E.
FL. Reg # 71643

17TH & WEST AVENUE
1220 17TH STREET
MIAMI BEACH, FLORIDA 33139

| REVISION N°1 | DATE | DESCRIPTION |
|---|---|---|
| 1 | 12. 15. 2017 | SHOP DRAWINGS FIRST SUBMITTAL |
| 2 | 01. 22. 2018 | FIRST SUBMITTAL UPDATE |
| 3 | 04. 24. 2018 | SHOP DRAWINGS FIRST RESUBMITTAL |
| 4 | 05. 15. 2018 | RESUBMITTAL UPDATE |
| 5 | 06. 27. 2018 | RESUBMITTAL PER BULLETIN # 2017-04-10 |
| 6 | 08. 27. 2018 | RESUBMITTAL PER Additional - FEEC Comments |

PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1'-0" = 1'-0"
CONTENT:
SYSTEM DETAILS
ES-7000
ES-2400 SLIDING DOOR
SHEET:
D-514.2

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE




1 SECTION DETAIL ES-7000 - ES-9000 SWING HEAD DOOR - TYP.
FROM: 1'-0"= 1'-0"

DE LOS REYES ENGINEERING, INC.
SHOP DRAWING REVIEW

APPROVED ☐ REJECTED ☐
APPROVED AS NOTED ☐ RE-SUBMIT ☐

CORRECTIONS AND COMMENTS MADE ON SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLIANCE WITH REQUIREMENTS OF THE PERMITTED DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING THE WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.

THIS APPROVAL REPRESENTS A REVIEW OF THIS DOCUMENT ONLY FOR THE SPECIFICATIONS REQUESTED HEREIN OR IN SUBSEQUENT SUBMISSIONS, OR AS SPECIFICALLY NOTED. CONTRACTOR IN THIS SUBMISSION ENTHEREBY STATES THAT THE DRAWING BY THE CONTRACTOR OR PREVIOUSLY REVIEWED MATERIAL IS SPECIFICALLY DISAPPROVED IT IS UNDERSTOOD THAT ENGINEERS NOTATIONS ON SUBMITTAL IS NOT TO BE CONSTRUED AS AUTHORIZATION FOR ADDITIONAL WORK OR CHANGE.

DATE 8/29/18 BY

Stantec
Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131
REVIEW: NO EXCEPTIONS NOTED
Dated 8/29/18 By R G

"REVIEWED and APPROVED FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING and ENVIRONMENTAL LLC

REVIEWED
CITY OF MIAMI BEACH
FIRE DEPARTMENT

1681 WEST VENTURES LLC
19501 Biscayne Boulevard, Suite 400
Aventura, FL 33180
T: (305) 914-8207

ARCHITECT:
Stantec
STANTEC ARCHITECTURE INC.
One Biscayne Tower Suite 1670
2 South Biscayne Boulevard
Miami, FL 33131-1804
T: (305) 482-8700 Fax: (305) 482-8770

GENERAL CONTRACTOR:
GRYCON
Building with Precision
GRYCON LLC
4101 Ravenswood RD Suite 325
Dania Beach, FL 33312
954-626-0451

WINDOW MANUFACTURER:
gmp
GM&P Consulting and Glazing Contractors,Inc
3850 NW 49th street
Miami, FL 33142 EE.UU
Tel: 305-638-5151
Fax: 305-638-5158

SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S.
Cr51 B 80-58 OF. 901
Smart Office Center
Barranquilla, Colombia

FAÇADE+ENVELOPE
ENGINEERING CONSULTANTS, LLC
1930 HARRISON STREET, SUITE 204
HOLLYWOOD, FL 33020 (954) 889-1729
WWW.FACADEENVELOPE.COM
CA# 30168

REVIEWED FOR
STRUCTURAL COMPLIANCE
MANUEL MORALES
LICENSE
No 71643
STATE OF FLORIDA
PROFESSIONAL ENGINEER

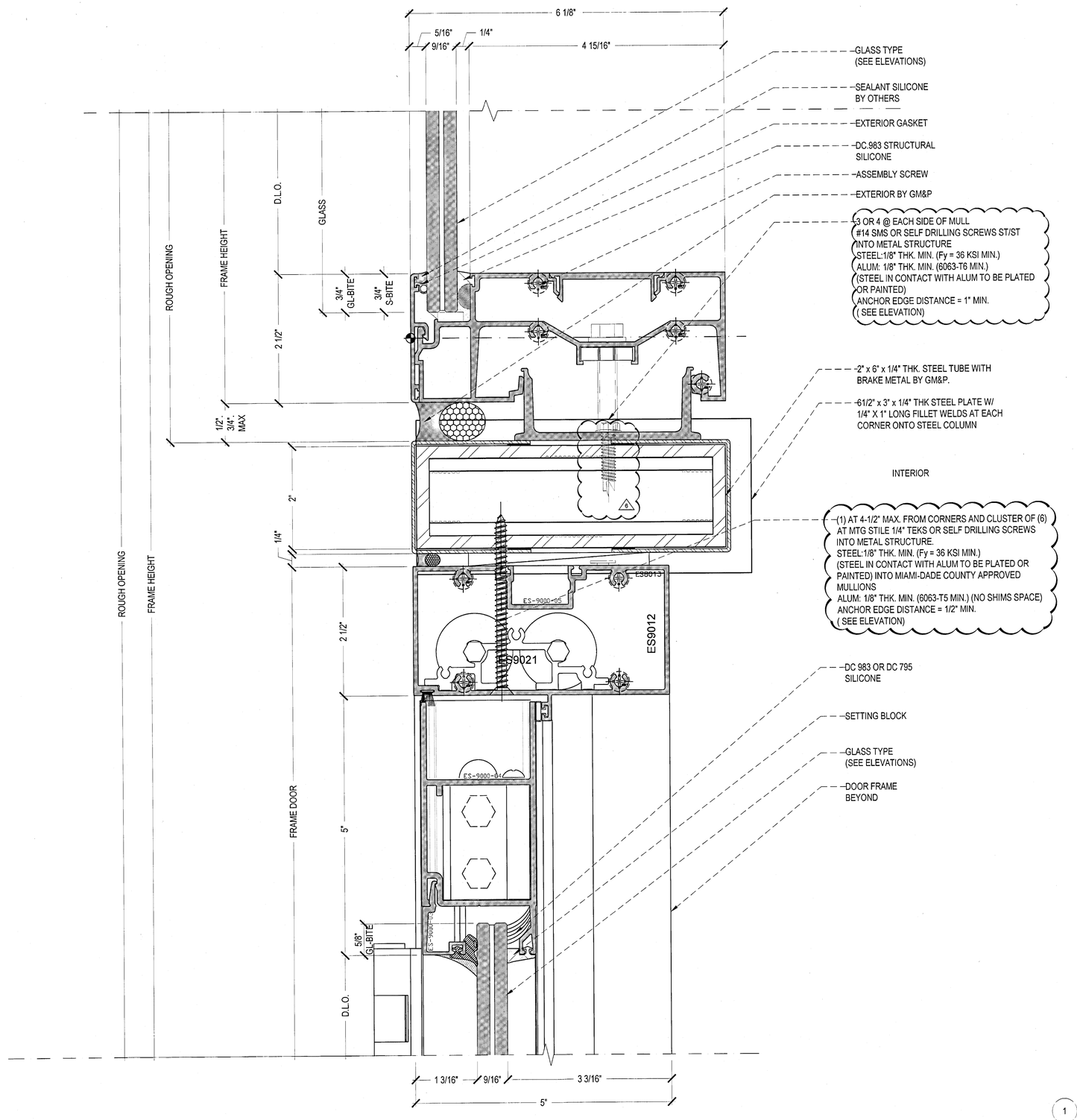
**17TH & WEST AVENUE**
**1220 17TH STREET**
**MIAMI BEACH, FLORIDA 33139**

| REVISION N°: | DATE | DESCRIPTION |
|---|---|---|
| 1 | 12. 15. 2017 | SHOP DRAWINGS FIRST SUBMITTAL |
| 2 | 12. 29. 2017 | FIRST SUBMITTAL UPDATE |
| 3 | 01. 22. 2018 | SHOP DRAWINGS FIRST RESUBMITTAL |
| 4 | 04. 24. 2018 | RESUBMITTAL UPDATE |
| 5 | 05. 16. 2018 | RESUBMITTAL PER BULLETIN #1 2018 04.10 |
| 6 | 06. 27. 2018 | RESUBMITTAL PER Additional - FEEC Comments |

PROJECT #: GD2017009
17TH & WEST AVENUE
SCALE: 1'-0" = 1'-0"
CONTENT:
SYSTEM DETAILS
ES-7000

SHEET:
6 D-514.3

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE




1 SECTION DETAIL ES-7000 - ES-9000 SWING HEAD DOOR - TYP.
FROM: 1'-0"= 1'-0"

DE LOS REYES ENGINEERING, INC.
SHOP DRAWING REVIEW
APPROVED ☐ REJECTED ☐
APPROVED AS NOTED ☐ RE-SUBMIT ☐
CORRECTIONS AND COMMENTS MADE ON SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLYING WITH REQUIREMENTS OF THE PERMITTED DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE INFORMATION IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.
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BY:

Stantec
Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131
☑ REVIEW. NO EXCEPTIONS NOTED
Dated 8/9/18 By R.G

"REVIEWED and APPROVED FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING and ENVIRONMENTAL LLC

REVIEWED
CITY OF MIAMI BEACH
FIRE DEPARTMENT

1681 WEST VENTURES LLC.
19501 Biscayne Boulevard, Suite 400
Aventura, FL 33180
T: (305) 914-8207

ARCHITECT:
Stantec
STANTEC ARCHITECTURE INC.
One Biscayne Tower Suite 1670
2 South Biscayne Boulevard
Miami, FL 33131-1804
T: (305) 482-8700 Fax: (305) 482-8770

GENERAL CONTRACTOR:
GRYCON
Building with Precision
GRYCON LLC
4101 Ravenswood RD Suite 325
Dania Beach, FL 33312
954-626-0451

WINDOW MANUFACTURER:
gmp
GM&P Consulting and Glazing Contractors,Inc
3950 NW 49th street
Miami, Fl. 33142 EE.UU
Tel. 305-638-5151
Fax: 305-638-5158

SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S.
C-61 B 80-55 OF. 901
Smart Office Center
Barranquilla, Colombia

FAÇADE+ENVELOPE
ENGINEERING CONSULTANTS, LLC
1930 HARRISON STREET, SUITE 204
HOLLYWOOD, FL 33020 (954) 589-1729
WWW.FACADENVELOPE.COM
CA# 30168

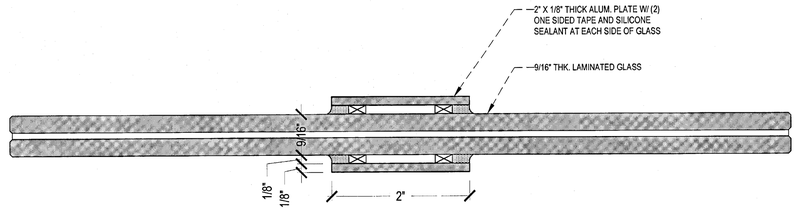
REVIEWED FOR STRUCTURAL COMPLIANCE
MANUEL MONTES DE OCA
LICENSE
No 71643
STATE OF FLORIDA
PROFESSIONAL ENGINEER

17TH & WEST AVENUE
1220 17TH STREET
MIAMI BEACH, FLORIDA 33139

| REVISION N° | DATE | DESCRIPTION |
|---|---|---|
| 1 | 12. 15. 2017 | SHOP DRAWINGS FIRST SUBMITTAL |
| 2 | 12. 26. 2017 | FIRST SUBMITTAL UPDATE |
| 3 | 01. 22. 2018 | SHOP DRAWINGS FIRST RESUBMITTAL |
| 4 | 04. 24. 2018 | RESUBMITTAL UPDATE |
| 5 | 05. 16. 2018 | RESUBMITTAL PER BULLETIN #1 2018.04.10 |
| 6 | 06. 12. 2018 | RESUBMITTAL PER FEEC 06012018 JJ |

PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1'-0" = 1'-0"
CONTENT:
SYSTEM DETAILS
ES-7000 - ES-9000
SHEET:
D-514

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE




DE LOS REYES ENGINEERING, INC.
SHOP DRAWING REVIEW

APPROVED ☐ REJECTED ☐
APPROVED AS NOTED ☒ RE-SUBMIT ☐

CORRECTIONS AND COMMENTS MADE ON SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLYING WITH REQUIREMENTS OF THE PERMITTED DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE INFORMATION IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.

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DATE 8-20-18 BY

Stantec
Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131
☒ REVIEW: NO EXCEPTIONS NOTED
Dated 8/9/18 By R G

"REVIEWED and APPROVED
FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING
and ENVIRONMENTAL LLC

REVIEWED
CITY OF MIAMI BEACH
FIRE DEPARTMENT

1 PLAN DETAIL MUNTIN ON HR-2600
FROM: 1'-0"= 1'-0"

1681 WEST VENTURES LLC
1951 Biscayne Boulevard, Suite 400
Aventura, FL 33180
T: (305) 914-8207

ARCHITECT:
STANTEC ARCHITECTURE INC.
One Biscayne Tower Suite 1670
2 South Biscayne Boulevard
Miami, FL 33131-4804
T: (305) 482-8700 Fax: (305) 482-8770

GENERAL CONTRACTOR:
GRYCON
Building with Precision
GRYCON LLC
4101 Ravenswood RD Suite 325
Dania Beach, FL 33312
954-626-0451

WINDOW MANUFACTURER:
GM&P Consulting and Glazing Contractors,Inc
3580 NW 49th street
Miami, FL 33142 EE.UU
Tel: 305-638-5151
Fax: 305-638-5158

SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S.
Cr51 B 80-68 OF. 901
Smart Office Center
Barranquilla, Colombia

FAÇADE ENVELOPE
ENGINEERING CONSULTANTS, LLC
1930 HARRISON STREET, SUITE 204
HOLLYWOOD, FL 33020 (954) 989-1729
WWW.FACADENVELOPE.COM
CA# 30165

STATE OF FLORIDA
MANUEL MORALES
LICENSED
No 71643
PROFESSIONAL ENGINEER
MANUEL MORALES, P.E.
FL. Reg # 71643

# 17TH & WEST AVENUE
## 1220 17TH STREET
## MIAMI BEACH, FLORIDA 33139

| REVISION N° | DATE | DESCRIPTION |
|---|---|---|
| A | 12. 15. 2017 | SHOP DRAWINGS FIRST SUBMITTAL |
| A | 12. 29. 2017 | FIRST SUBMITTAL UPDATE |
| A | 01. 22. 2018 | SHOP DRAWINGS FIRST RESUBMITTAL |
| A | 04. 24. 2018 | RESUBMITTAL UPDATE |
| B | 05. 16. 2018 | RESUBMITTAL PER BULLETIN # 2018.04-10 |
| B | 06. 12. 2018 | RESUBMITTAL PER FEEC 0001501S15 JJ |

PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1'-0" = 1'-0"
CONTENT:
PLAN DETAIL
MUNTIN ON HR-2600

SHEET:
D-600

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE

BC18008716 win/Drs

BU6020775 master

1698 Alton Rd

P. P

Rvw + Inspec

MIAMI BEACH
REVIEWED FOR
CODE COMPLIANCE

MIAMI-DADE COUNTY

DEPARTMENT OF REGULATORY AND ECONOMIC
BOARD AND CODE ADMINISTRATION DIVISION

# NOTICE OF ACCEPTANCE (NOA)

T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

"REVIEWED and APPROVED FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING and ENVIRONMENTAL LLC

**Elco Construction Products, Div. of Infastech**
**1304 Kerr Drive**
**Decorah, IA 52101**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section 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 Section (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. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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: Ultracon Concrete & Masonry Anchors**

**APPROVAL DOCUMENT:** Drawing No. **14-1821**, titled "Elco Ultracon Concrete and Masonry Anchors", sheets 1 through 3 of 3, dated 03/07/2011, with last revision dated 09/29/2014, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, 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 Section.

**MISSILE IMPACT RATING: None**

**LABELING:** Each box/container of the smallest quantity shall bear a label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted.

**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 **renews NOA # 15-0226.08** and consists of this page 1, evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**

MIAMI-DADE COUNTY APPROVED

05/16/2016

Stantec
Two South Biscayne Blvd., Suite 1870
Miami, Florida 33131

NOA No: 16-0216.04
Expiration Date: January 8, 2021
REVIEW. NO EXCEPTIONS Approval Date: May 26, 2016
Page 1
38

Dated 8/9/18 By

MIAMI-DADE REVIEWED FOR CODE COMPLIANCE



## NOTICE OF ACCEPTA

**A. DRAWINGS** *"Submitted under NOA # 15-0226.08"*

1. Drawing No. **14-1821**, titled "Elco Ultracon Concrete and Masonry Anchors", sheets 1 through 3 of 3, dated 03/07/2011, with last revision dated 09/29/2014, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E.

**B. TESTS** *"Submitted under NOA # 11-0406.01"*

| | Test Report No. | Standard | Date | Signature |
|---|---|---|---|---|
| 1. | HETI-08-A402 | ASTM E488-96 | 08/12/08 | Candido F. Font, P.E. |
| 2. | HETI-08-A406 | ASTM E488-96 | 08/12/08 | Candido F. Font, P.E. |
| 3. | HETI-08-A407 | ASTM E488-96 | 08/12/08 | Candido F. Font, P.E. |
| 4. | HETI-08-A410 | ASTM E488-96 | 08/20/08 | Candido F. Font, P.E. |
| 5. | HETI-08-A412 | ASTM E488-96 | 08/20/08 | Candido F. Font, P.E. |
| 6. | HETI-08-A414 | ASTM E488-96 | 08/20/08 | Candido F. Font, P.E. |
| 7. | HETI-08-A416 | ASTM E488-96 | 08/20/08 | Candido F. Font, P.E. |
| 8. | HETI-08-A417 | ASTM E488-96 | 08/20/08 | Candido F. Font, P.E. |
| 9. | HETI-08-A428 | ASTM E488-96 | 08/22/08 | Candido F. Font, P.E. |
| 10. | HETI-08-A429 | ASTM E488-96 | 08/22/08 | Candido F. Font, P.E. |
| 11. | HETI-08-A430 | ASTM E488-96 | 08/22/08 | Candido F. Font, P.E. |
| 12. | HETI-08-A432 | ASTM E488-96 | 08/20/08 | Candido F. Font, P.E. |
| 13. | HETI-08-A434 | ASTM E488-96 | 08/20/08 | Candido F. Font, P.E. |
| 14. | HETI-08-A438 | ASTM E488-96 | 08/22/08 | Candido F. Font, P.E. |
| 15. | HETI-08-A442 | ASTM E488-96 | 08/22/08 | Candido F. Font, P.E. |
| 16. | HETI-08-C104 | ASTM C39-05 | 09/11/08 | Candido F. Font, P.E. |
| 17. | HETI-08C107B | ASTM C39-05 | 09/11/08 | Candido F. Font, P.E. |
| | *"Submitted under NOA # 07-0425.01"* | | | |
| 1. | HETI-01-5013 | ASTM E488 | 06/01/01 | H. M. Medina, P.E. |
| 2. | HETI-01-5069 | ASTM E488 | 09/17/01 | H. M. Medina, P.E. |
| 3. | HETI-03-C600 | ASTM C39 | 08/13/03 | R. D. Seda, P.E. |
| 4 | HETI-03-C601 | ASTM C39 | 12/19/03 | R. D. Seda, P.E. |
| 5. | HETI-03-1127 | ASTM E488 | 12/02/03 | R. D. Seda, P.E. |
| 6. | HETI-03-1136 | ASTM E488 | 12/02/03 | R. D. Seda, P.E. |
| 7. | HETI-03-1153 | ASTM E488 | 12/23/03 | R. D. Seda, P.E. |
| 8. | HETI-03-1159 | ASTM E488 | 12/02/03 | R. D. Seda, P.E. |
| 9. | HETI-03-1161 | ASTM E488 | 12/02/03 | R. D. Seda, P.E. |
| 10. | HETI-03-1164 | ASTM E488 | 12/12/03 | R. D. Seda, P.E. |
| 11. | HETI-03-1165 | ASTM E488 | 12/12/03 | R. D. Seda, P.E. |
| 12. | HETI-03-1173 | ASTM E488 | 12/12/03 | R. D. Seda, P.E. |
| 13. | HETI-03-1175 | ASTM E488 | 12/12/03 | R. D. Seda, P.E. |
| 14. | HETI-03-1177 | ASTM E488 | 12/12/03 | R. D. Seda, P.E. |
| 15. | HETI-05-1501 | ASTM E488 | 08/31/05 | L. Ghia, P.E. |

Stantec

Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131

REVIEW. NO EXCEPTIONS NOTED

E - 1

Dated 8/9/16 By

05/16/2016

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 16-0216.04
Expiration Date: January 8, 2021
Approval Date: May 26, 2016

MIAMI BEACH
REVIEWED FOR
CODE COMPLIANCE



## NOTICE OF ACCEPT

**C. CALCULATIONS** ***"Submitted under NOA # 11-0406.01"***

1. Anchor allowable load calculations, prepared by Engineering Express, dated 11/16/2011, signed and sealed by Frank L. Bennardo, P.E.

**D. MATERIAL CERTIFICATIONS**

1. None.

**E. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

**F. STATEMENTS** ***"Submitted under NOA # 15-0226.08"***

1. Statement letter of code conformance to the 5th edition (2014) FBC issued by Engineering Express, dated 09/29/2014, signed and sealed by Frank L. Bennardo, P.E.

***"Submitted under NOA # 11-0406.01"***

2. Statement letter of code conformance to 2007 and 2010 FBC, issued by Engineering Express, dated 11/10/2011, signed and sealed by Frank L. Bennardo, P.E.
3. Statement letter of no financial interest issued by Engineering Express, dated 04/04/2011, signed and sealed by Frank L. Bennardo, P.E.

Stantec

Two South Biscayne Blvd., Suite 1870
Miami, Florida 33131

☑ REVIEW. NO EXCEPTIONS NOTED
E - 2

Dated 5/9/16 By

05/16/2016

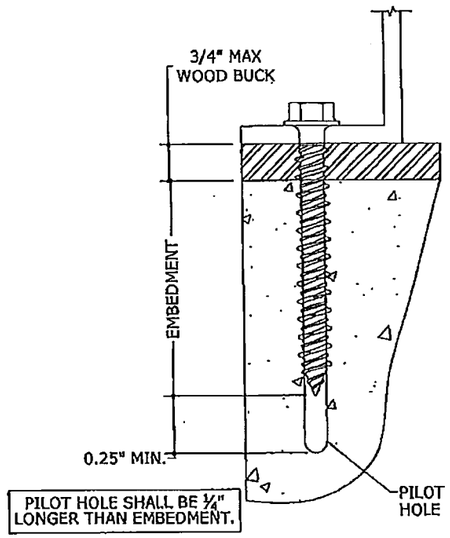
Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 16-0216.04
Expiration Date: January 8, 2021
Approval Date: May 26, 2016

# ELCO ULTRACON
## CONCRETE & MASONRY ANCHORS

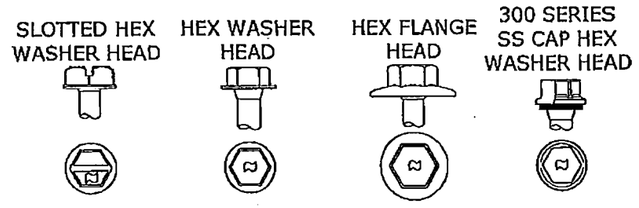
FC18

## GENERAL NOTES:

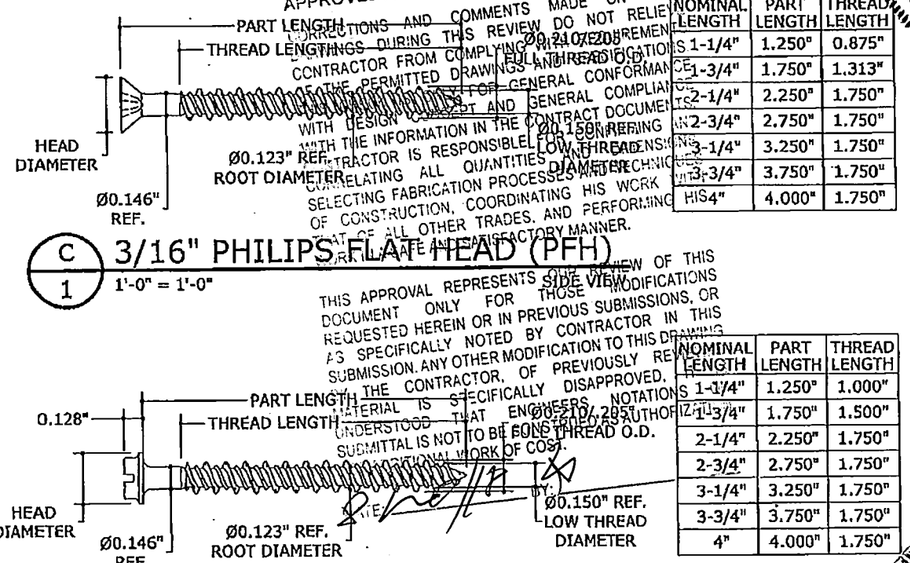
1. THIS PRODUCT HAS BEEN DESIGNED & TESTED IN ACCORDANCE WITH THE STRUCTURAL PROVISIONS OF THE 2010 FLORIDA BUILDING CODE AND THE FBC FIFTH EDITION (2014) FOR USE WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE.
2. ANCHOR INSTALLATION SHALL BE MADE IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS AND THIS NOTICE OF ACCEPTANCE.
3. CONCRETE SHALL CONFORM TO ACI 301 SPECIFICATIONS, WITH STRENGTH PROPERTIES AS SPECIFIED HEREIN. HOLLOW AND GROUT-FILLED CONCRETE BLOCK SHALL CONFORM TO ASTM C-90.
4. ELCO ULTRACON IS A CORROSION RESISTANT MASONRY AND CONCRETE FASTENER FINISHED WITH STALGARD COATING.
5. HEAD MARKINGS:ELCO ULTRACON MASONRY FASTENERS ARE IDENTIFIED WITH EITHER THE ELCO LOGO, OR FOUR DOTS IN THE CASE OF THE PHILLIPS PAN HEAD. TRIMFIT FASTENERS HAVE THE ELCO LOGO ALONG WITH 1 DOT (¼" DIAMETER) OR 2 DOTS (5/16" DIAMETER). 5/16" DIAMETER HEX WASHER HEAD ULTRACON FASTENERS HAVE ELCO LOGO AND "5" INDICATING THE 5/16" DIAMETER.
6. ALLOWABLE LOAD SHOWN=ULTIMATE LOAD DIVIDED BY 4.0 FOR SOLID NON-CRAKCED CONCRETE SUBSTRATES, 5.0 FOR HOLLOW BLOCK & GROUT FILLED BLOCK SUBSTRATES. NO ALLOWABLE STRESS INCREASE HAS BEEN USED IN PREPARATION OF THIS DOCUMENT.
7. ANCHOR YIELD STRENGTH Fy=155 KSI, ANCHOR ULTIMATE STRENGTH Fu=177 KSI.
8. ANCHOR EDGE DISTANCES, EMBEDMENTS, AND SPACINGS BELOW THOSE SHOWN IN DESIGN TABLES HEREIN ARE NOT ACCEPTABLE.
9. ALLOWABLE LOAD CAPACITIES TO SUBSTRATES THAT ARE NOT SHOWN IN THE DESIGN TABLES LISTED HEREIN ARE OUTSIDE THE SCOPE OF THIS CERTIFICATION AND SHALL BE DETERMINED BY A LICENSED PROFESSIONAL ENGINEER.
10. ANCHOR INSTALLATION SHALL BE MADE IN ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS AND THIS MIAMI-DADE COUNTY, NOTICE OF ACCEPTANCE.
    - 10.1. DRILL HOLES AT LEAST ¼" DEEPER THAN THE ULTRACON EMBEDMENT.
    - 10.2. SEE DRILL BIT TABLE TO DETERMINE APPROPRIATE DRILL BIT DIAMETER CORRESPONDING TO FASTENER DIAMETER.
    - 10.3. CLEAN HOLES OF DEBRIS AND DUST BEFORE INSTALLATION OF ANCHOR.
    - 10.4. ANCHORS SHALL NOT BE INSTALLED BEFORE THE CONCRETE HAS DEVELOPED ITS DESIGN STRENGTH.
    - 10.5. ANCHORS SHALL NOT BE INSTALLED IN CRACKED CONCRETED SUBSTRATES, AS DEFINED IN ACI 355.2.
11. ANCHOR VALUES LISTED HEREIN ARE DETERMINED THROUGH TESTING REPORT DATA AND CHECKED FOR CONSISTENCY WITH EACH TEST PERFORMED.
12. REFERENCE THE FOLLOWING TEST REPORTS:
    - HURRICANE ENGINEERING & TESTING, INC.
      #HETI-01-5013 (06/01/2001) & ADDENDUM (06/21/02)
      #HETI-01-5069 (09/17/2001)
      #HETI-03-1127 (12/02/2003)
      #HETI-03-1136 (12/02/2003)
      #HETI-03-1153 (12/23/2003)
      #HETI-03-1159 (12/02/2003)
      #HETI-03-1161 (12/02/2003)
      #HETI-03-1164 (12/12/2003)
      #HETI-03-1165 (12/12/2003)
      #HETI-03-1173 (12/12/2003)
      #HETI-03-1175 (12/12/2003)
      #HETI-03-1177 (12/12/2003)
      #HETI-03-C600 (08/13/2003)
      #HETI-03-C601 (12/19/2003)
      #HETI-05-1501 (01/21/2011)
      #HETI-08-A402 (08/12/2008)
      #HETI-08-A406 (08/12/2008)
      #HETI-08-A407 (08/12/2008)
      #HETI-08-A410 (08/20/2008)
      #HETI-08-A412 (08/20/2008)
      #HETI-08-A414 (08/20/2008)
      #HETI-08-A416 (08/20/2008)
      #HETI-08-A417 (08/20/2008)
      #HETI-08-A428 (08/22/2008)
      #HETI-08-A429 (08/22/2008)
      #HETI-08-A430 (08/22/2008)
      #HETI-08-A432 (08/20/2008)
      #HETI-08-A434 (08/20/2008)
      #HETI-08-A438 (08/22/2008)
      #HETI-08-A442 (08/22/2008)
      #HETI-08-C104 (09/11/2008)
      #HETI-08C107B (09/11/2008)




A/1 TYPICAL SECTION
1'-0" = 1'-0" SECTION




B/1 HEAD STYLES
N.T.S.



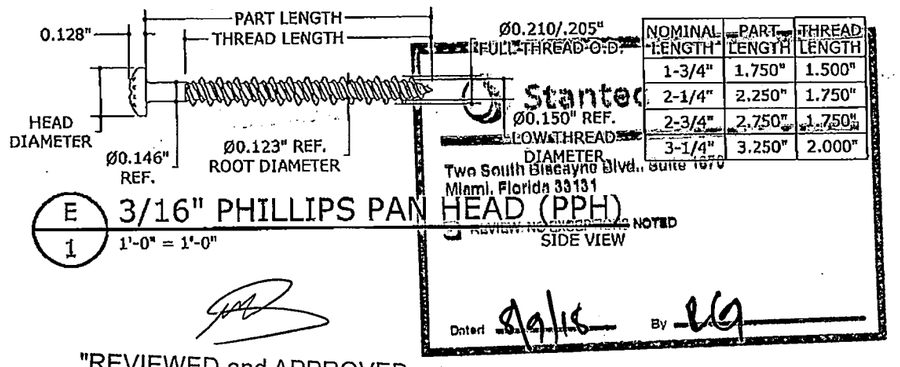

| NOMINAL LENGTH | PART LENGTH | THREAD LENGTH |
|---|---|---|
| 1-1/4" | 1.250" | 0.875" |
| 1-3/4" | 1.750" | 1.313" |
| 2-1/4" | 2.250" | 1.750" |
| 2-3/4" | 2.750" | 1.750" |
| 3-1/4" | 3.250" | 1.750" |
| 3-3/4" | 3.750" | 1.750" |
| 4" | 4.000" | 1.750" |

C/1 3/16" PHILIPS FLAT HEAD (PFH)
1'-0" = 1'-0"




| NOMINAL LENGTH | PART LENGTH | THREAD LENGTH |
|---|---|---|
| 1-1/4" | 1.250" | 1.000" |
| 1-3/4" | 1.750" | 1.500" |
| 2-1/4" | 2.250" | 1.750" |
| 2-3/4" | 2.750" | 1.750" |
| 3-1/4" | 3.250" | 1.750" |
| 3-3/4" | 3.750" | 1.750" |
| 4" | 4.000" | 1.750" |

D/1 3/16" SLOTTED HEX WASHER HEAD (HWH)
1'-0" = 1'-0" SIDE VIEW




| NOMINAL LENGTH | PART LENGTH | THREAD LENGTH |
|---|---|---|
| 1-3/4" | 1.750" | 1.500" |
| 2-1/4" | 2.250" | 1.750" |
| 2-3/4" | 2.750" | 1.750" |
| 3-1/4" | 3.250" | 2.000" |

E/1 3/16" PHILLIPS PAN HEAD (PPH)
1'-0" = 1'-0" SIDE VIEW

DE LOS REYES ENGINEERING
SHOP DRAWING REVIEW
APPROVED
APPROVED AS NOTED
REJECTED
RE-SUBMIT
CORRECTIONS AND COMMENTS MADE ON SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLYING WITH ALL REQUIREMENTS OF THE PERMITTED DRAWINGS AND SPECIFICATIONS. THIS REVIEW IS FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE INFORMATION IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES, AND PERFORMING HIS WORK IN A SATISFACTORY MANNER.
THIS APPROVAL REPRESENTS SIDE VIEW OF THIS DOCUMENT ONLY FOR THOSE MODIFICATIONS REQUESTED HEREIN OR IN PREVIOUS SUBMISSIONS, OR AS SPECIFICALLY NOTED BY CONTRACTOR IN THIS SUBMISSION. ANY OTHER MODIFICATION TO THIS DRAWING MATERIAL IS SPECIFICALLY DISAPPROVED, UNLESS THE CONTRACTOR, OF PREVIOUSLY REVIEWED SUBMITTAL IS NOT TO BE CONSTRUED AS AUTHORIZATION UNDERSTOOD THAT ENGINEERS NOTATIONS TO BE FOLLOWED BY ADDITIONAL WORK OF COST.
REVIEW NOTED
Dated 8/9/18 By

"REVIEWED and APPROVED FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING and ENVIRONMENTAL LLC

PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No. 16-0216.04
Expiration Date 01/08/2021
By
Miami-Dade Product Control

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. 15-0226.08
Expiration Date 01/08/2016
By
Miami-Dade Product Control

REVIEWED CITY OF MIAMI BEACH FIRE DEPARTMENT

MIAMIBEACH
REVIEWED FOR CODE COMPLIANCE


ENGINEERING EXPRESS
160 SW 12th AVENUE, #402
DEERFIELD BEACH, FL 33442
PH: (954) 354-0660 FAX: (954) 354-0846
WWW.ENGEXP.COM
CERT OF AUTH #6685
A. FRANK L. BENNARDO, P.E., INC.


ELCO
ELCO CONSTRUCTION PRODUCTS, DIV. OF INFASTECH
1300 KERR DRIVE
DECORAH, IA 52101

ULTRACON CONCRETE ANCHORS
MIAMI-DADE NOTICE OF ACCEPTANCE

| REMARKS | DRWN | CHKD | DATE |
|---|---|---|---|
| INIT ISSUE | CSL | KL | 03/07/11 |
| REV. PER BNC | CSL | KL | 10/20/11 |
| REV. FOR 2010 FBC | CSL | KL | 11/10/11 |
| ADDL REVIEWER COMMENTS | KL | FLB | 07/30/12 |
| 2014 FBC | RWN | TSB | 09/29/14 |


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14-1821

SCALE:

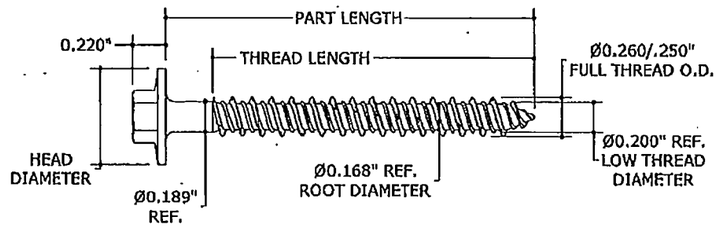
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1 OF 3



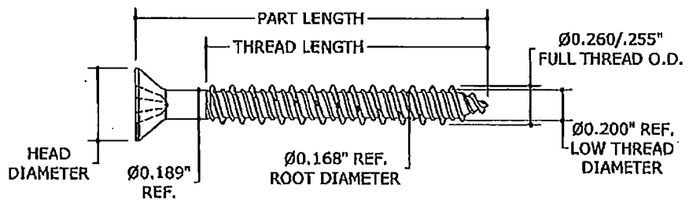
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MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE



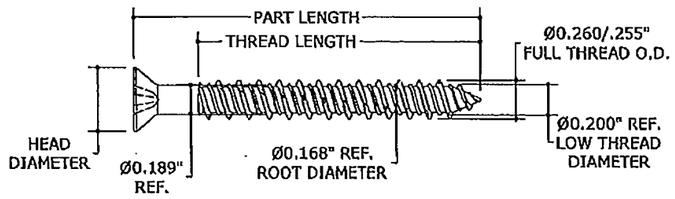

| NOMINAL LENGTH | PART LENGTH | THREAD LENGTH |
|---|---|---|
| 1-3/4" | 1.750" | 1.500" |
| 2-1/4" | 2.250" | 1.750" |
| 2-3/4" | 2.750" | 1.750" |
| 3-1/4" | 3.250" | 1.750" |

A/2 1/4" HEX FLANGE HEAD (HFH)
1'-0" = 1'-0" SIDE VIEW



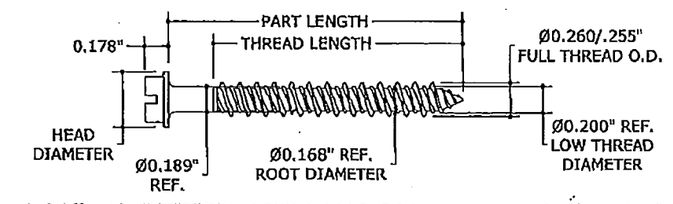

| NOMINAL LENGTH | PART LENGTH | THREAD LENGTH |
|---|---|---|
| 1-1/4" | 1.250" | 1.000" |
| 1-3/4" | 1.750" | 1.500" |
| 2-1/4" | 2.250" | 1.750" |
| 2-3/4" | 2.750" | 1.750" |
| 3-1/4" | 3.250" | 1.750" |
| 3-3/4" | 3.750" | 1.750" |
| 4" | 4.000" | 1.750" |
| 5" | 5.000" | 1.750" |
| 6" | 6.000" | 1.750" |

B/2 1/4" PHILLIPS FLAT HEAD (PFH)
1'-0" = 1'-0" SIDE VIEW



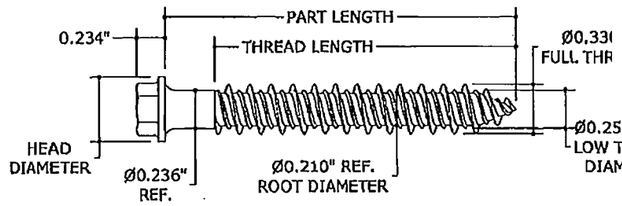

| NOMINAL LENGTH | PART LENGTH | THREAD LENGTH |
|---|---|---|
| 1-3/4" | 1.750" | 1.313" |
| 2-3/4" | 2.750" | 1.750" |
| 3-1/4" | 3.250" | 1.750" |
| 3-3/4" | 3.750" | 1.750" |

C/2 1/4" TRIMFIT
1'-0" = 1'-0" SIDE VIEW



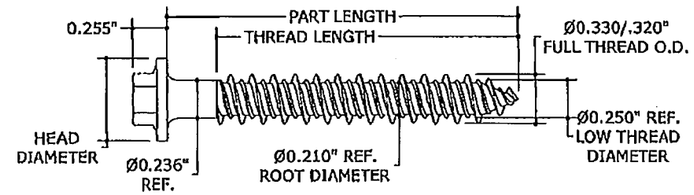

| NOMINAL LENGTH | PART LENGTH | THREAD LENGTH |
|---|---|---|
| 1-1/4" | 1.250" | 1.000" |
| 1-3/4" | 1.750" | 1.500" |
| 2-1/4" | 2.250" | 1.750" |
| 2-3/4" | 2.750" | 1.750" |
| 3-1/4" | 3.250" | 1.750" |
| 3-3/4" | 3.750" | 1.750" |
| 4" | 4.000" | 1.750" |
| 5" | 5.000" | 1.750" |
| 6" | 6.000" | 1.750" |

D/2 1/4" SLOTTED HEX WASHER HEAD (HWH)
1'-0" = 1'-0" SIDE VIEW



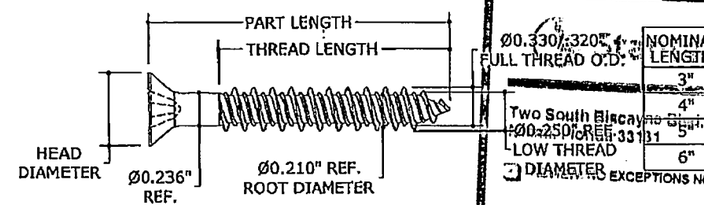

| NOMINAL LENGTH | PART LENGTH | THREAD LENGTH |
|---|---|---|
| 2-1/4" | 2.250" | 2.000" |
| 2-3/4" | 2.750" | 2.000" |
| 3" | 3.000" | 2.000" |
| 3-1/4" | 3.250" | 2.000" |
| 4" | 4.000" | 2.000" |

E/2 5/16" HEX WASHER HEAD (HWH)
1'-0" = 1'-0" SIDE VIEW



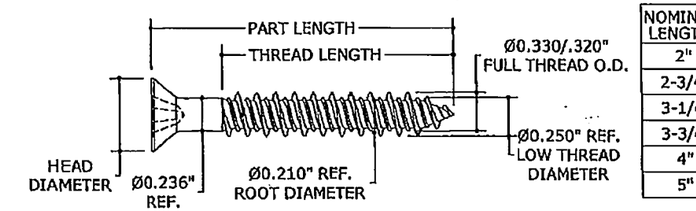

| NOMINAL LENGTH | PART LENGTH | THREAD LENGTH |
|---|---|---|
| 2" | 2.000" | 1.750" |
| 2-1/4" | 2.250" | 2.000" |
| 2-3/4" | 2.750" | 2.000" |
| 3" | 3.000" | 2.000" |
| 3-1/4" | 3.250" | 2.000" |
| 4" | 4.000" | 2.000" |

F/2 5/16" HEX FLANGE HEAD (HFH)
1'-0" = 1'-0" SIDE VIEW




| NOMINAL LENGTH | PART LENGTH | THREAD LENGTH |
|---|---|---|
| 3" | 3.000" | 2.000" |
| 4" | 4.000" | 2.000" |
| 5" | 5.000" | 2.000" |
| 6" | 6.000" | 2.000" |

G/2 5/16" PHILLIPS FLAT HEAD (PFH)
1'-0" = 1'-0" SIDE VIEW




| NOMINAL LENGTH | PART LENGTH | THREAD LENGTH |
|---|---|---|
| 2" | 2.250" | 1.750" |
| 2-3/4" | 2.750" | 2.000" |
| 3-1/4" | 3.250" | 2.000" |
| 3-3/4" | 3.750" | 2.000" |
| 4" | 4.000" | 2.000" |
| 5" | 5.000" | 2.000" |

H/2 5/16" TRIMFIT
1'-0" = 1'-0" SIDE VIEW

Two South Biscayne Blvd., Suite 3300
Miami, FL 33131
REVIEWED NO EXCEPTIONS NOTED
Dated 9/30/14 By

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 16-0216.04
Expiration Date 01/08/2021
By
Miami-Dade Product Control

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 15-0226.08
Expiration Date 01/08/2016
By
Miami-Dade Product Control

ENGINEERING EXPRESSIONS
160 SW 12th AVENUE, SUITE 206
DEERFIELD BEACH, FL 33442
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A. FRANK L. BENNARDO, P.E., INC. #50701

ELCO
ELCO CONSTRUCTION PRODUCTS, DIV. OF INFASTECH
1304 KEIFER DRIVE
DECORAH, IA 52101

ULTRACON CONCRETE ANCHORS
MIAMI-DADE NOTICE OF ACCEPTANCE

| REMARKS | DRWN | CHKD | DATE |
|---|---|---|---|
| INIT ISSUE | CSL | KL | 03/07/11 |
| REV. PER BNC | CSL | KL | 10/20/11 |
| REV. FOR 2010 FBC | CSL | KL | 11/10/11 |
| ADDT'L REVIEWER COMMENTS | KL | FLB | 01/30/12 |
| 2014 FBC | RWN | TSS | 09/29/14 |

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V:\Projects\14-1821 ELCO NOA Renewals-Ultracon Conc and Masonry Anchors\WP\14-1821a Renew 11-0406_01 Ultracon Concrete Anchor (NOA) FBC 2014.dwg
09/30/2014 - 9:37am rickn

MIAMI BEACH
REVIEWED FOR
CODE COMPLIANCE

## 3/16"Ø ULTRACON ALLOWABLE LOAD CAPACITIES:

| | EDGE DISTANCE | SPACING: INCHES | SPACING: NUMBER OF DIAMETERS | EMBEDMENT | TENSION (LB) | SHEAR (LB) |
|---|---|---|---|---|---|---|
| 2,846 P.S.I. CONCRETE* | 1" | 1-1/8" | 6d | 1-3/4" | 270 | 120 |
| | | 2-1/4" | 12d | 1-3/4" | 270 | 195 |
| | | 3" | 16d | 1" | 105 | 155 |
| | | | | 1-3/8" | 185 | 195 |
| | 2-1/2" | 3-9/16" | 19d | 1-3/4" | 270 | 195 |
| | | 1-1/8" | 6d | 1-3/4" | 315 | 175 |
| | | 2-1/4" | 12d | 1-3/4" | 315 | 175 |
| | | 3" | 16d | 1" | 110 | 155 |
| | | | | 1-3/8" | 185 | 195 |
| | | 3-9/16" | 19d | 1-3/4" | 315 | 195 |
| GROUT FILLED BLOCK | 2-1/2" | 3-9/16" | 16d | 1-3/4" | 175 | 135 |
| | | 4-1/2" | 24d | 2-1/4" | 220 | 195 |
| HOLLOW BLOCK | 1" | 6" | 32d | 1-1/4" | 80 | 105 |
| | 2-1/2" | 1-1/8" | 6d | | 85 | 75 |
| | | 2-1/4" | 12d | | 85 | 115 |
| | | 6" | 32d | | 85 | 115 |

NOTE:
*ULTRACON ALLOWABLE LOAD CAPACITIES LISTED HEREIN ARE NOT VALID FOR CRACKED CONCRETE SUBSTRATES.

## 1/4"Ø ULTRACON ALLOWABLE LOAD CAPACITIES:

| | EDGE DISTANCE | SPACING: INCHES | SPACING: NUMBER OF DIAMETERS | EMBEDMENT** | TENSION (LB) | SHEAR (LB) |
|---|---|---|---|---|---|---|
| 2,846 P.S.I. CONCRETE* | 1" | 1-1/2" | 6d | 1-3/4" | 345 | 120 |
| | | 3" | 12d | 1-3/4" | 345 | 170 |
| | | 4" | 16d | 1" | 150 | 155 |
| | | | | 1-3/8" | 290 | 225 |
| | | | | 1-3/4" | 460 | 225 |
| | 2-1/2" | 1-1/2" | 6d | 1-3/4" | 455 | 315 |
| | | 3" | 12d | 1-3/4" | 465 | 390 |
| | | 4" | 16d | 1" | 200 | 285 |
| | | | | 1-3/8" | 375 | 395 |
| | | | | 1-3/4" | 475 | 445 |
| 2,730 P.S.I CONCRETE*† | 2-1/2" | 4" | 16d | 1-3/4" | - | 315 |
| GROUT FILLED BLOCK | 2-1/2" | 4" | 16d | 1-3/4" | 230 | 250 |
| | | 4-1/2" | 18d | 2-1/4" | 410 | 250 |
| HOLLOW BLOCK | 1" | 6" | 24d | 1-1/4" | 140 | 140 |
| | 2-1/2" | 1-1/2" | 6d | | 140 | 100 |
| | | 3" | 12d | | 140 | 150 |
| | | 6" | 24d | | 140 | 295 |

NOTE:
Reduction due to edge distance: 170 + (((2 3/16 - 1)*(390-170))/(2 1/2 - 1)) = 344.24 lbs
For 1/4" Diam. Ultracon w/ 2 3/16" Edge dist. and 3 3/4" spacing.
Vallow = 344.24 lb

** EMBEDMENT VALUE LISTED HEREIN CONSIDERS FULL EMBEDMENT TO CONCRETE, GROUT FILLED BLOCK OR HOLLOW BLOCK. EMBEDMENT DEPTH DOES NOT INCLUDE THE THICKNESS OF ANY WOOD BUCKS.

## 5/16"Ø ULTRACON ALLOWABLE LOAD CAPACITIES:

| | EDGE DISTANCE | SPACING: INCHES | SPACING: NUMBER OF DIAMETERS | EMBEDMENT* | TENSION (LB) | SHEAR (LB) |
|---|---|---|---|---|---|---|
| 3,515 P.S.I. CONCRETE*† | 1-1/4" | 1-7/8" | 6d | 2" | 205 | 120 |
| | | 3-3/4" | 12d | 2" | 290 | 120 |
| | | 5" | 16d | 1" | 180 | 215 |
| | | | | 1-3/4" | 525 | 330 |
| | 2-3/16" | 5" | 16d | 1" | 205 | 275 |
| | | | | 1-3/4" | 600 | 785 |
| | 3-1/8" | 1-7/8" | 6d | 2" | 300 | 120 |
| | | 3-3/4" | 12d | 2" | 455 | 710 |
| | | 5" | 16d | 1" | 210 | 450 |
| | | | | 1-3/4" | 680 | 850 |
| | | | | 2" | 835 | 850 |
| GROUT FILLED BLOCK | 2-1/2" | 5" | 16d | 1-3/4" | 230 | 370 |
| | | | | 2-1/4" | 290 | 375 |
| HOLLOW BLOCK | 1-9/16" | 6" | 20d | 1-1/4" | 130 | 140 |
| | 3-1/8" | 1-7/8" | 6d | | 130 | 175 |
| | | 3-3/4" | 12d | | 140 | 175 |
| | | 6" | 20d | | 225 | 290 |

NOTE:
FROM ULTRACON TABLE (N.O.A - 15-022.08): INTERPOLATE
Reduction due to spacing: 5-3.75 / 785-655.48 = 3.75-3 / 655.48 -Vallow
For 5/16" diam. Ultracon w/ 2 3/16" Edge dist. And 3 " spacing w/ 1 3/4" Min. Emb.
Vallow = 577.77 lbs

* HOLLOW BLOCK EMBEDMENT DEPTH DOES NOT INCLUDE THE THICKNESS OF ANY WOOD BUCKS.

## ULTRACON HEAD DIMENSIONS:

| HEAD STYLE | HEAD DIAMETER |
|---|---|
| 3/16" PFH | 0.363" |
| 3/16" PPH | 0.365" |
| 1/4" PFH | 0.480" |
| 1/4" TRIMFIT | 0.414" |
| 5/16" PFH | 0.543" |
| 5/16" LDFH | 0.695" |
| 5/16" TRIMFIT | 0.414" |

## HEX WASHER HEAD (HWH) DIMENSIONS:

| HEAD STYLE | ACROSS FLAT | WASHER DIAMETER |
|---|---|---|
| 3/16" HWH | 1/4" | 0.355" |
| 1/4" HFH | 5/16" | 0.625" |
| 1/4" HWH | 5/16" | 0.415" |
| 1/4" 300 SS CAP HWH | 5/16" | 0.580" |
| 5/16" HWH | 5/16" | 0.543" |
| 5/16" HFH | 5/16" | 0.585" |

## DRILL BIT SCHEDULE:

| SCREW-ANCHOR DIAMETER | DRILL BIT |
|---|---|
| 3/16" | 5/32" DIAMETER ELCO ULTRACON BIT |
| 1/4" | 3/16" DIAMETER ELCO ULTRACON BIT |
| 5/16" | 1/4" DIAMETER ELCO ULTRACON BIT |

1. INSTALLATION SHALL BE MADE IN ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS AND THIS MIAMI-DADE COUNTY NOTICE OF ACCEPTANCE.
2. DRILL HOLES AT LEAST ¼" DEEPER THAN ULTRACON EMBEDMENT.
3. CLEAN HOLES OF DEBRIS AND DUST BEFORE INSTALLATION OF ANCHOR.
4. ANCHORS SHALL NOT BE INSTALLED BEFORE THE CONCRETE HAS DEVELOPED ITS DESIGN STRENGTH.
5. ANCHORS SHALL NOT BE INSTALLED IN CRACKED CONCRETE SUBSTRATES AS DEFINED IN ACI 355.2.

Dated 5/9/16 By R.G

**PRODUCT RENEWED**
as complying with the Florida Building Code
Acceptance No 16-0216.04
Expiration Date 01/08/2021
By
Miami Dade Product Control

**PRODUCT REVISED**
as complying with the Florida Building Code
Acceptance No 15-0226.08
Expiration Date 01/08/2016
By
Miami Dade Product Control

ENGINEERING EXPRESS
160 SW 12th AVENUE, 2nd FLOOR
DEERFIELD BEACH, FLORIDA 33442
Ph: (954) 354-0660 Fax: (954) 354-0664
WWW.ENGEXP.COM
CERT OF AUTH #9865
A. FRANK L. BENNARDO, P.E., INC. INNOVATIVE PROFESSIONAL SOLUTIONS
FLORIDA

ELCO CONSTRUCTION PRODUCTS, DIV. OF ITW INFASTECH
1304 KERR DRIVE
DECORAH, IA 52101

ULTRACON CONCRETE ANCHORS
MIAMI-DADE NOTICE OF ACCEPTANCE

| REMARKS | DRWN | CHKD | DATE |
|---|---|---|---|
| INIT ISSUE | CSL | KL | 03/07/11 |
| REV. PER BNC | CSL | KL | 10/20/11 |
| REV. FOR 2010 FBC | CSL | KL | 11/10/11 |
| ADDT. REVIEWER COMMENTS | KL | FLB | 01/30/12 |
| 2014 FBC | RWN | TSB | 09/29/14 |

THESE PLANS ARE THE PROPERTY OF ENGINEERING EXPRESS AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE WRITTEN CONSENT OF THE CERTIFIED ENGINEER. ALTERATIONS, ADDITIONS, REMOVALS OR OTHER USE OF THESE PLANS WITHOUT THE CONSENT OF THE CERTIFIED ENGINEER WILL RELIEVE THE CERTIFIED ENGINEER OF RESPONSIBILITY AND WILL EXPOSE THE CONTRACTOR, SUBCONTRACTOR AND/OR SUPPLIER TO LEGAL ACTION.
COPYRIGHT ENGINEERING EXPRESS

14-1821
SCALE: -
PAGE DESCRIPTION:
-
-
OF 3



V:\Projects\14-1821 ELCO NOA Removals-Ultracon Conc and Masonry Anchors\WP\14-1821a Ronow 11-0406_01 Ultracon Concrete Anchor (NOA) FBC 2014.dwg
09/30/2014 - 9:37am nickn

TABLE 20.2: Fastener Capacity

MIAMI BEACH
REVIEWED FOR
CODE COMPLIANCE

SAE Grade 2 Steel for Diameters up thru 9/16" (UN

| Nominal Fastener Diameter & Threads per Inch | D Nominal Thread Diameter (in) | A(S) Tensile Stress Area ($in^2$) | A(R) Thread Root Area ($in^2$) | Allowable Tension (lbs) | Allowable Shear | | Allowable Bearing (lbs | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Single (lbs) | Double (lbs) | 1/8" Steel A36 | 1/8" Aluminum 6063-T5 | 1/8" Alu 60( | | | | | | |
| #6-32 | 0.1380 | 0.0091 | 0.0078 | 224 | 111 | 222 | 900 | 253 | 345 | 0.0988 | 0.2005 | 0.1522 | 224 | 224 | 224 |
| #8-32 | 0.1640 | 0.0140 | 0.0124 | 346 | 177 | 353 | 1,070 | 301 | 410 | 0.1282 | 0.2487 | 0.1900 | 346 | 346 | 346 |
| #10-24 | 0.1900 | 0.0175 | 0.0151 | 432 | 216 | 431 | 1,240 | 348 | 475 | 0.1385 | 0.2524 | 0.1951 | 432 | 432 | 432 |
| #12-24 | 0.2160 | 0.0242 | 0.0214 | 596 | 304 | 608 | 1,409 | 396 | 540 | 0.1679 | 0.3044 | 0.2274 | 596 | 596 | 596 |
| 1/4-20 | 0.2500 | 0.0318 | 0.0280 | 785 | 398 | 796 | 1,631 | 458 | 625 | 0.1911 | 0.3404 | 0.2497 | 785 | 785 | 785 |
| 5/16-18 | 0.3125 | 0.0524 | 0.0469 | 1,552 | 801 | 1,603 | 2,039 | 573 | 781 | 0.2507 | > 3/8" | 0.3276 | 1,552 | 1,303 | 1,552 |
| 3/8-16 | 0.3750 | 0.0775 | 0.0699 | 2,294 | 1,194 | 2,389 | 2,447 | 688 | 938 | 0.2742 | > 3/8" | > 3/8" | 2,294 | 1,572 | 2,144 |
| 7/16-14 | 0.4375 | 0.1063 | 0.0961 | 3,147 | 1,643 | 3,286 | 2,855 | 802 | 1,094 | 0.2945 | > 3/8" | > 3/8" | 3,147 | 1,873 | 2,554 |
| 1/2-13 | 0.5000 | 0.1419 | 0.1292 | 4,200 | 2,208 | 4,417 | 3,263 | 917 | 1,250 | 0.3183 | > 3/8" | > 3/8" | 4,200 | 2,140 | 2,918 |
| 9/16-12 | 0.5625 | 0.1819 | 0.1664 | 5,386 | 2,843 | 5,687 | 3,670 | 1,031 | 1,406 | 0.3511 | > 3/8" | > 3/8" | 5,386 | 2,444 | 3,333 |

SAE Grade 2 Steel (Spaced Threads)

| Nominal Fastener Diameter & Threads per Inch | D Nominal Thread Diameter (in) | K Basic Minor Diameter (in) | A(R) Thread Root Area ($in^2$) | Allowable Tension (lbs) | Allowable Shear | | Allowable Bearing (lbs) | | | Minimum Material Thickness (lbs) to Equal Tensile Capacity of Fastener (in) | | | Maximum Tensile Load (lbs) for Available 3/8" Plate Thickness | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Single (lbs) | Double (lbs) | 1/8" Steel A36 | 1/8" Aluminum 6063-T5 | 1/8" Aluminum 6063-T6 | A36 | 6063-T5 | 6063-T6 | 3/8" Steel A36 | 3/8" Aluminum 6063-T5 | 3/8" Aluminum 6063-T6 |
| #6-20 | 0.1380 | 0.0990 | 0.0077 | 190 | 110 | 219 | 900 | 253 | 345 | 0.1191 | 0.1418 | 0.1191 | 190 | 190 | 190 |
| #8-18 | 0.1640 | 0.1160 | 0.0106 | 261 | 151 | 301 | 1,070 | 301 | 410 | 0.1437 | 0.1611 | 0.1437 | 261 | 261 | 261 |
| #10-16 | 0.1900 | 0.1350 | 0.0143 | 353 | 204 | 408 | 1,240 | 348 | 475 | 0.1401 | 0.1852 | 0.1516 | 353 | 353 | 353 |
| #12-14 | 0.2160 | 0.1570 | 0.0194 | 478 | 276 | 551 | 1,409 | 396 | 540 | 0.1820 | 0.2166 | 0.1820 | 478 | 478 | 478 |
| 1/4-14 | 0.2500 | 0.1850 | 0.0269 | 663 | 383 | 766 | 1,631 | 458 | 625 | 0.1797 | 0.2418 | 0.1967 | 663 | 663 | 663 |
| 5/16-12 | 0.3125 | 0.2360 | 0.0437 | 1,295 | 748 | 1,495 | 2,039 | 573 | 781 | 0.2428 | 0.3026 | 0.2453 | 1,295 | 1,295 | 1,295 |
| 3/8-12 | 0.3750 | 0.2990 | 0.0702 | 2,078 | 1,200 | 2,400 | 2,447 | 688 | 938 | 0.2811 | > 3/8" | 0.2969 | 2,078 | 2,017 | 2,078 |

| | SAE Grade 2 (≤ 9/16") |
|---|---|
| $F_U$ (Min. Ultimate Tensile Strength) | 74,000 psi |
| $F_T$ (Allow. Tensile Stress, D≤1/4") | 24,667 psi |
| $F_T$ (Allow. Tensile Stress; D> 1/4") | 29,600 psi |
| $F_V$ (Allowable Shear Strass; D≤1/4") | 14,241 psi |
| $F_V$ (Allowable Shear Strass; D>1/4") | 17,090 psi |

| For All Diameters | Effective Area (UNC Threads) | Effective Area (Spaced Threads) |
|---|---|---|
| $F_T = F_U / SF$ | $A(R) = \pi (D-1.2269/N)^2 / 4$ | $A(R) = \pi K^2/4$ |
| Allowable Tension = $F_T[A(S)]$ | $A(S) = \pi (D-0.9743/N)^2 / 4$ | $A(S) = \pi K^2/4$ |
| $F_V = Fu / ( SF \times sq\ rt\ (3))$ | | |
| Allowable Single Shear = $F_V[A(R)]$ | | |

*NOTE 4:*

1. *Values are taken from AISC, ASTM, IFI, SAE and AA documents. K values for spaced threads are taken as the minimum values in IFI Fastener Handbook, 8th Ed.*
2. *Safety Factor used for fasteners with diameters 1/4" or less is 3.0, Safety Factor used for fasteners with diameters 5/16" or greater is 2.5.*

MIAMI BEACH
REVIEWED FOR
CODE COMPLIANCE

MIAMI-DADE COUNTY

DEPARTMENT OF REGULATORY AND ECONOMIC
BOARD AND CODE ADMINISTRATION DIVISION

# NOTICE OF ACCEPTANCE (NOA)

"REVIEWED FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING and ENVIRONMENTAL LLC

www.miamidade.gov/economy

**ES Windows LLC**
**3550 NW 49th Street**
**Miami, FL 33142**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section 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 Section (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. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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 "7000" Aluminum Window Wall System - L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **W08-34**, titled "Series 7000 Alum. Window Wall System (L.M.I.)", sheets 1 through 13 and 13.1 of 13, dated 04/24/13, with revision D dated 10/30/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, 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 Section.

**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, model/ series, 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 No. 15-0430.05** and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

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

MIAMI-DADE COUNTY APPROVED

Two South Biscayne Blvd., Suite 1870
Miami, Florida 33131
☑ REVIEWED, NO EXCEPTIONS NOTED
2/27/18
Dated 8/9/18 By

**NOA No. 17-1218.08**
**Expiration Date: July 25, 2023**
**Approval Date: March 08. 2018**
**Page 1**
45

MIAMI BEACH
REVIEWED FOR
CODE COMPLIANCE

**ES Windows LLC**

**NOTICE OF ACCEPTAN(**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
   ***(Submitted under NOA No. 13-0115.04)***
2. Drawing No. **W08-34**, titled "Series 7000 Alum. Window Wall System (L.M.I.)", sheets 1, 2, 3, 3.1, 4, 4.1, 5, 6 through 13 and 13.1 of 13, dated 04/24/13, with revision C dated 07/29/15, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

**B. TESTS**

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) Large Missile Impact Test per FBC, TAS 201-94
   5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   along with marked-up drawings and installation diagram of a series ES-7000 aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-8100**, dated 12/04/14, signed and sealed by Idalmis Ortega, P.E.
2. Test reports on: 1) Safety Performance Test, (Drop Test) per ANSI Z97.1-2009
   along with marked-up drawings and installation diagram of a series ES-7000 aluminum window wall system and a series ES-7100 aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-7862**, dated 07/25/14 and revised on 07/13/15, signed and sealed by Idalmis Ortega, P.E.
3. 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) Large Missile Impact Test per FBC, TAS 201-94
   5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   along with marked-up drawings and installation diagram of a series ES-7000 aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-6922**, dated 01/03/13, signed and sealed by Marlin D. Brinson, P.E.
   ***(Submitted under NOA No. 13-0115.04)***

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with **FBC 5th Edition (2014)**, dated 06/10/15, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies with **ASTM E1300-09**

Two South Biscayne Blvd., Suite 1070
Miami, Florida 33131
REVIEW. NO EXCEPTIONS NOTED
Dated 8/9/16 By
E - 1

Manuel Perez, P.E.
Product Control Examiner
NOA No. 17-1218.08
Expiration Date: July 25, 2023
Approval Date: March 08. 2018

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE



## NOTICE OF ACCEPTAN

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **14-0916.11** issued to **Kuraray America, Inc.** for their **"SentryGlas® (Clear and White) Glass Interlayers"** dated 06/25/15, expiring on 07/04/18.

**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC 5th Edition (2014)**, and of no financial interest, dated June 16, 2015, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

**G. OTHERS**

1. Notice of Acceptance No. **13-0115.04**, issued to ES Windows, LLC for their Series "7000" Aluminum Window Wall System – L.M.I., approved on 07/25/13 and expiring on 07/25/18.

Stantec

Two South Biscayne Blvd.. Suite 1670
Miami. Florida 33131

REVIEW. NO EXCEPTIONS NOTED

Dated 8/5/18 By

Manuel Perez

**Manuel Perez, P.E.**
**Product Control Examiner**
**NOA No. 17-1218.08**
**Expiration Date: July 25, 2023**
**Approval Date: March 08. 2018**

MIAMI BEACH
REVIEWED FOR
CODE COMPLIANCE



## NOTICE OF ACCEPTANC

**2. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **W08-34**, titled "Series 7000 Alum. Window Wall System (L.M.I.)", sheets 1 through 13 and 13.1 of 13, dated 04/24/13, with revision D dated 10/30/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

**B. TESTS**

1. None

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with **FBC 6th Edition (2017)**, dated 10/26/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **17-0808.02** issued to **Kuraray America, Inc.** for their **"SentryGlas® (Clear and White) Glass Interlayers"** dated 12/28/17, expiring on 07/04/23.

**F. STATEMENTS**

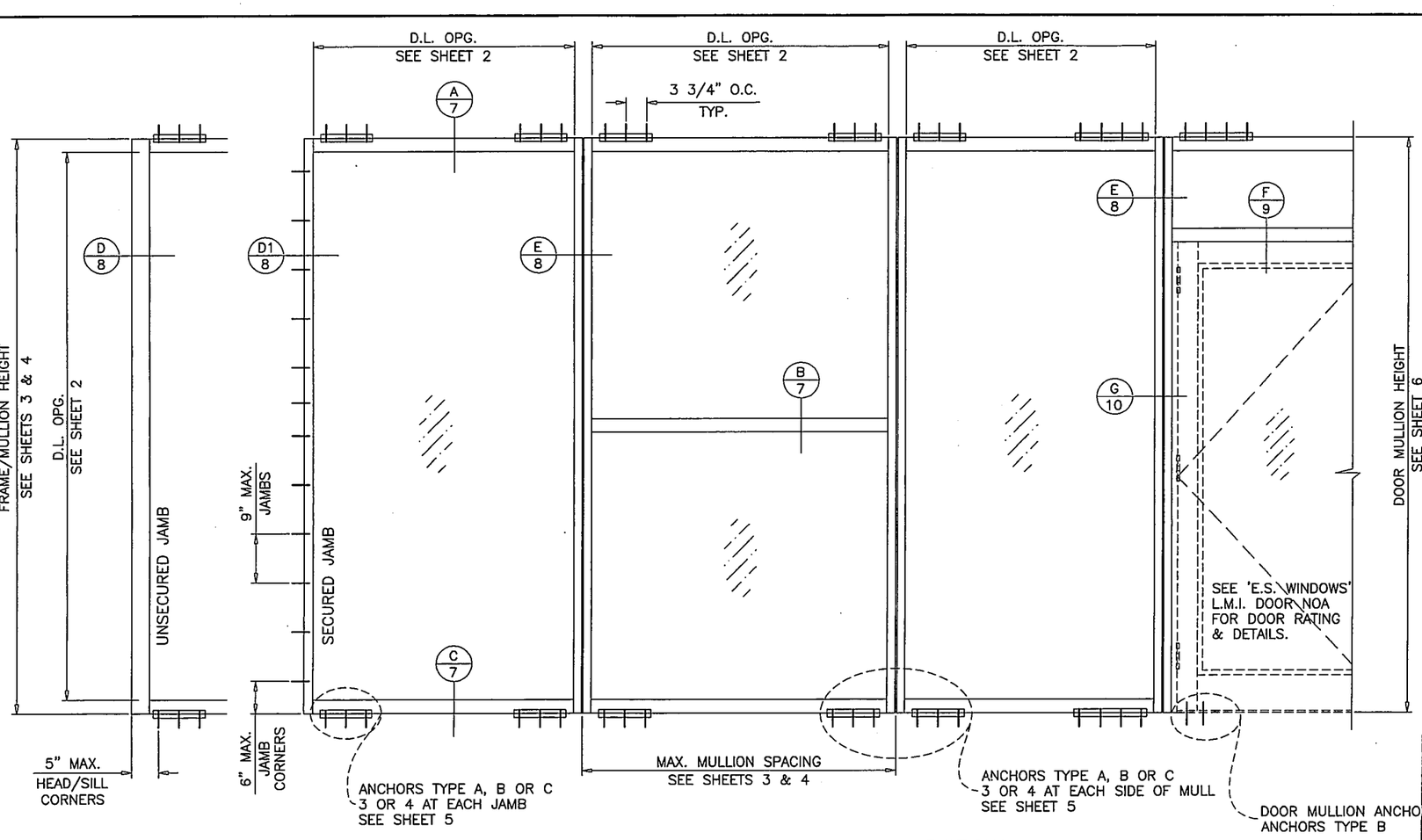
1. Statement letter of conformance, complying with **FBC 5th Edition (2014),** with **FBC 6th Edition (2017),** and of no financial interest, dated October 26, 2017, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

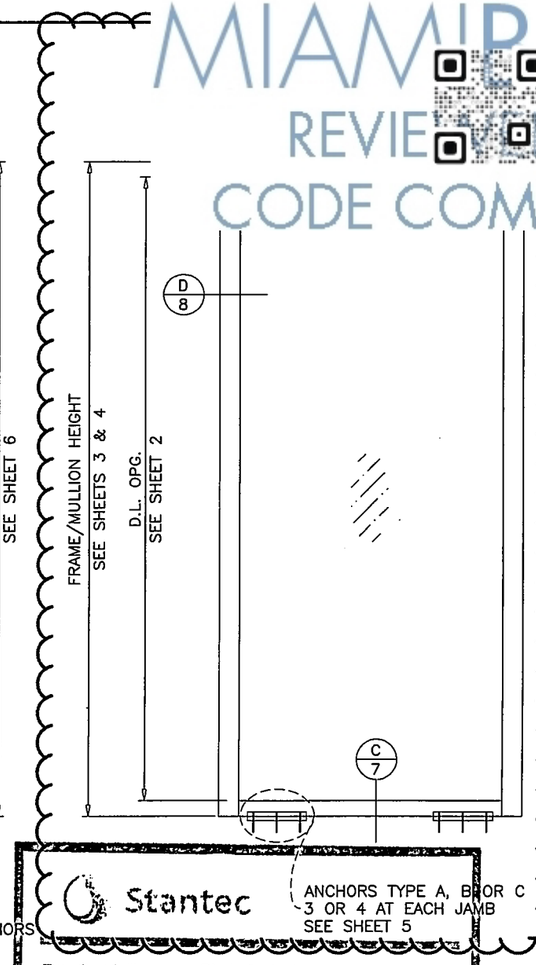
**G. OTHERS**

1. Notice of Acceptance No. **15-0430.05**, issued to ES Windows LLC for their Series "7000" Aluminum Window Wall System - L.M.I., approved on 08/20/15 and expiring on 07/25/18.

Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131
REVIEW. NO EXCEPTIONS NOTED
Dated 8/5/18 By

Manuel Perez, P.E.
Product Control Examiner
NOA No. 17-1218.08
Expiration Date: July 25, 2023
Approval Date: March 08. 2018




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

## SERIES 7000 ALUMINUM WINDOW WALL SYSTEM

THIS SYSTEM MAY BE USED IN CONJUNCTION WITH MIAMI–DADE COUNTY APPR'D LARGE MISSILE IMPACT RESISTANT DOORS. LOWER DESIGN PRESSURE FROM STOREFRONT OR DOOR APPROVAL WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2014 (5TH EDITION)/2017 (6TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ALL SHIMS TO BE HIGH IMPACT, NON–METALLIC AND NON–COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2014/2017 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC.
CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

## TYPICAL ELEVATIONS

### INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

STEP 1 DETERMINE DESIGN WIND PRESSURE REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.

STEP 2 SEE CHARTS ON SHEET 2 FOR GLASS DESIGN LOAD CAPACITY.

STEP 3 CHECK MULLION DESIGN LOAD CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEETS 3, 4 & 6. THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.

STEP 4 USING CHARTS ON SHEET 5 SELECT ANCHOR OPTION WITH DESIGN LOAD CAPACITY MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.

STEP 5 FOR SECURED JAMB OPTION CHECK JAMB ANCHOR CAPACITY USING CHART ON SHEET 8.

STEP 6 THE LOWEST VALUE RESULTING FROM STEPS 2, 3, 4 AND 5 THAT EXCEED THE DESIGN WIND PRESSURES DETERMINED THRU STEP 1 SHALL APPLY TO ENTIRE SYSTEM.

STEP 7 FOR SYSTEMS WITH UNANCHORED JAMBS, USING SHEET 11, DETERMINE THE MIN. & MAX. GAP DIMENSIONS.

STEP 8 WHEN USING THIS SYSTEM WITH DOORS, THE LOWER VALUE OF THE DESIGN PRESSURE RATING FOR THE SYSTEM AND THE DOOR SHALL APPLY.

"REVIEWED and APPROVED FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING and ENVIRONMENTAL LLC

Stantec
Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131
REVIEW. NO EXCEPTIONS NOTED
Dated 8/31/18 By E.G

PRODUCT COMPLIES WITH REQUIREMENTS OF ANSI Z97.1.

LAMINATED GLASS
INSUL. LAM. GLASS
LARGE MISSILE IMPACT

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 17-1218.08
Expiration Date July 25, 2023
By Manuel Perez
Miami-Dade Product Control

JAVAD AHMAD
LICENSE
No. 70592
STATE OF FLORIDA
PROFESSIONAL ENGINEER

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE

AL-FAROOQ CORPO
ENGINEERS & PRODUCT DEVEL
9360 SUNSET DRIVE, SUITE 22
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (3

SERIES 7000 ALUM WINDOW WALL SYSTEM (L.M.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

| revisions: | | | |
|---|---|---|---|
| no | date | by | description |
| A | 06.19.13 | | REV. PER RER COMMENTS |
| B | 04.03.15 | | UPDATED TO 2014 FBC |
| C | 07.29.15 | | NO CHANGE THIS SHEET |
| D | 10.30.17 | | UPDATED TO 2017 FBC |

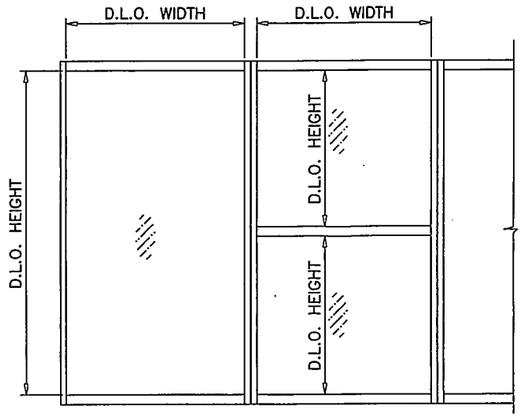
date: 04-24-13
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dr. by: TARIQ
chk. by:

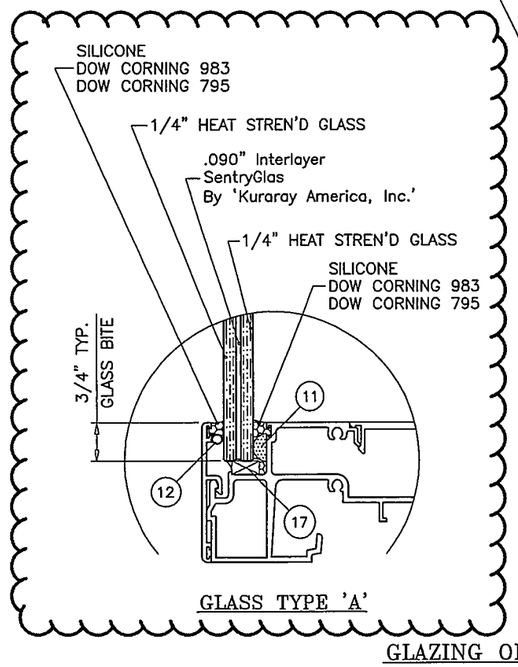
drawing no.
W08-4834

sheet 1 of 13

| GLASS DESIGN LOAD CAPACITY – PSF | | | |
|---|---|---|---|
| NOMINAL DIMS. | | GLASS TYPE 'A' | GLASS TYPE 'B' |
| D.L.O. WIDTH | D.L.O. HEIGHT | EXT. (+) INT. (–) | EXT. (+) INT. (–) |
| 36 | 96" | 150.0 | 150.0 |
| 39 | | 150.0 | 150.0 |
| 42 | | 150.0 | 150.0 |
| 45 1/2 | | 150.0 | 150.0 |
| 48 | | 150.0 | 150.0 |
| 51 | | 150.0 | 150.0 |
| 54 | | 140.0 | 140.0 |
| 57 | | 140.0 | 140.0 |
| 36" | 100" | 150.0 | 150.0 |
| 39 | | 150.0 | 150.0 |
| 42 | | 150.0 | 150.0 |
| 45 1/2 | | 150.0 | 150.0 |
| 48" | | 150.0 | 150.0 |
| 51 | | 140.0 | 140.0 |
| 54 | | 140.0 | 140.0 |
| 57 | | 140.0 | 140.0 |
| 36" | 104" | 150.0 | 150.0 |
| 39 | | 150.0 | 150.0 |
| 42 | | 150.0 | 150.0 |
| 45 1/2 | | 150.0 | 150.0 |
| 48" | | 150.0 | 150.0 |
| 51 | | 140.0 | 140.0 |
| 54 | | 140.0 | 140.0 |
| 57 | | 140.0 | 140.0 |
| 36 | 108" | 150.0 | 150.0 |
| 39 | | 150.0 | 150.0 |
| 42 | | 150.0 | 150.0 |
| 45 1/2 | | 150.0 | 150.0 |
| 48" | | 140.0 | 140.0 |
| 51 | | 140.0 | 140.0 |
| 54 | | 140.0 | 140.0 |
| 57 | | 135.0 | 110.0 |
| 36 | 112" | 150.0 | 150.0 |
| 39 | | 150.0 | 150.0 |
| 42 | | 150.0 | 150.0 |
| 45 1/2 | | 140.0 | 140.0 |
| 48" | | 140.0 | 140.0 |
| 51 | | 140.0 | 140.0 |
| 54 | | 138.0 | 140.0 |
| 36 | 116" | 150.0 | 150.0 |
| 39 | | 150.0 | 150.0 |
| 42 | | 150.0 | 150.0 |
| 45 1/2 | | 140.0 | 140.0 |
| 48" | | 140.0 | 140.0 |
| 51 | | 140.0 | 140.0 |
| 54 | | 136.0 | 110.0 |
| 36 | 120" | 150.0 | 150.0 |
| 39 | | 150.0 | 150.0 |
| 42 | | 150.0 | 150.0 |
| 45 1/2 | | 140.0 | 140.0 |
| 48" | | 140.0 | 140.0 |
| 51 | | 140.0 | 110.0 |

| GLASS DESIGN LOAD CAPACITY – PSF | | | |
|---|---|---|---|
| NOMINAL DIMS. | | GLASS TYPE 'A' | GLASS TYPE 'B' |
| D.L.O. WIDTH | D.L.O. HEIGHT | EXT. (+) INT. (–) | EXT. (+) INT. (–) |
| 36 | 124" | 150.0 | 150.0 |
| 39 | | 150.0 | 150.0 |
| 42 | | 140.0 | 140.0 |
| 45 1/2 | | 140.0 | 140.0 |
| 48" | | 140.0 | 140.0 |
| 51 | | 140.0 | 110.0 |
| 36 | 128" | 150.0 | 150.0 |
| 39 | | 150.0 | 150.0 |
| 42 | | 140.0 | 140.0 |
| 45 1/2 | | 140.0 | 133.4 |
| 48" | | 140.0 | 110.0 |
| 36 | 132" | 150.0 | 150.0 |
| 39 | | 140.0 | 140.0 |
| 42 | | 140.0 | 140.0 |
| 45 1/2 | | 140.0 | 140.0 |
| 48" | | 140.0 | 110.0 |
| 36 | 136" | 150.0 | 150.0 |
| 39 | | 140.0 | 140.0 |
| 42 | | 140.0 | 140.0 |
| 45 1/2 | | 140.0 | 110.0 |
| 36 | 139" | 150.0 | 150.0 |
| 39 | | 140.0 | 140.0 |
| 42 | | 140.0 | 140.0 |
| 45 1/2 | | 140.0 | 110.0 |




GLAZING OPTIONS

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300–09 (3 SEC. GUSTS).

1/2" AIR SPACE CONSISTING OF:
SPACER:
'HELIMA' LOW PROFILE ALUMINUM SPACER
BY 'LINGERMANN GMBH'
AROUND THE PERIMETER OF THE GLASS.
PERIMETER SEALANT:
SILICONE
DOW CORNING 791
GE 2000

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 17-1218.08
Expiration Date July 25, 2023
By
Miami Dade Product Control

JAVAD AHMAD
LICENSE
No. 70592
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Stantec
Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131
REVIEW. NO EXCEPTIONS NOTED
Dated 8/9/17 By

MIAMI BEACH
REVIEWED FOR
CODE COMPLIANCE

AL-FAROOQ CORP
ENGINEERS & PRODUCT DEV
9360 SUNSET DRIVE, SUITE
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX

SERIES 7000 ALUM. WINDOW WALL SYSTEM (L.M.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5131 FAX. (305) 638-5158

| revisions: | | | |
|---|---|---|---|
| no | date | by | description |
| A | 06.19.13 | | REV. PER RER COMMENTS |
| B | 04.03.15 | | UPDATED TO 2014 FBC |
| C | 07.29.15 | | REV. PER RER COMMENTS |
| D | 10.30.17 | | UPDATED TO 2017 FBC |

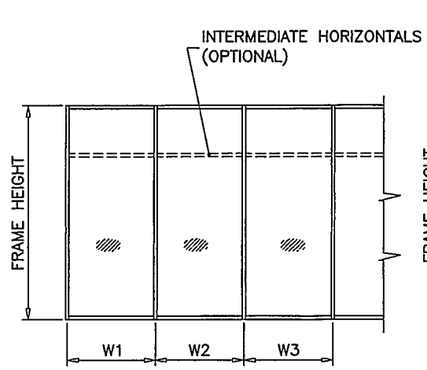
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dr. by: TARIQ
chk. by:

drawing no.
W08–34
50

sheet 2 of 13

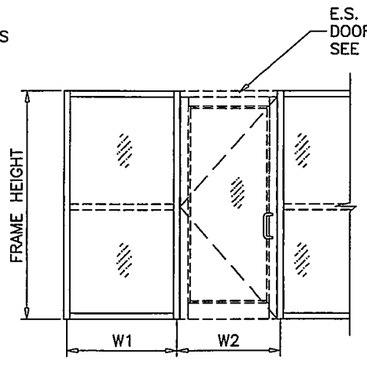
| MULLION DESIGN LOAD CAPACITY – PSF CHART FOR LAMINATED GLASS MULLIONS | | | |
|---|---|---|---|
| NOMINAL DIMS. | | JAMB 'J1' MULL 'M1' | |
| WIDTH (W) | FRAME HEIGHT | EXT. (+) | INT. (–) |
| 30" | 108" | 125.0 | 125.0 |
| 36" | | 125.0 | 125.0 |
| 42" | | 125.0 | 125.0 |
| 48" | | 125.0 | 125.0 |
| 54" | | 125.0 | 125.0 |
| 60" | | 116.7 | 116.7 |
| 30" | 114" | 125.0 | 125.0 |
| 36" | | 125.0 | 125.0 |
| 42" | | 125.0 | 125.0 |
| 48" | | 125.0 | 125.0 |
| 54" | | 115.4 | 115.4 |
| 60" | | 103.9 | 103.9 |
| 30" | 120" | 125.0 | 125.0 |
| 36" | | 125.0 | 125.0 |
| 42" | | 125.0 | 125.0 |
| 48" | | 115.1 | 115.1 |
| 54" | | 102.3 | 102.3 |
| 57" | | 92.1 | 92.1 |
| 30" | 126" | 125.0 | 125.0 |
| 36" | | 125.0 | 125.0 |
| 42" | | 113.6 | 113.6 |
| 48" | | 99.4 | 99.4 |
| 54" | | 88.4 | 88.4 |
| 30" | 132" | 125.0 | 125.0 |
| 36" | | 115.3 | 115.3 |
| 42" | | 98.8 | 98.8 |
| 48" | | 86.5 | 86.5 |
| 52" | | 76.9 | 76.9 |
| 30" | 138" | 121.1 | 121.1 |
| 36" | | 100.9 | 100.9 |
| 42" | | 86.5 | 86.5 |
| 48" | | 75.7 | 75.7 |
| 50" | | 69.9 | 69.9 |
| 30" | 144" | 106.6 | 106.6 |
| 36" | | 88.8 | 88.8 |
| 42" | | 76.1 | 76.1 |
| 48" | | 66.6 | 66.6 |

| MULLION DESIGN LOAD CAPACITY – PSF CHART FOR LAMINATED GLASS MULLIONS | | | | | |
|---|---|---|---|---|---|
| NOMINAL DIMS. | | JAMB 'J2' MULL 'M2' | | JAMB 'J3' MULL 'M3' | |
| WIDTH (W) | FRAME HEIGHT | EXT. (+) | INT. (–) | EXT. (+) | INT. (–) |
| 30" | 96" | 125.0 | 150.0 | 125.0 | 150.0 |
| 36" | | 125.0 | 150.0 | 125.0 | 150.0 |
| 42" | | 125.0 | 150.0 | 125.0 | 150.0 |
| 48" | | 125.0 | 150.0 | 125.0 | 150.0 |
| 54" | | 125.0 | 150.0 | 125.0 | 150.0 |
| 58" | | 125.0 | 150.0 | 125.0 | 150.0 |
| 60" | | 125.0 | 140.0 | 125.0 | 140.0 |
| 30" | 102" | 125.0 | 150.0 | 125.0 | 150.0 |
| 36" | | 125.0 | 150.0 | 125.0 | 150.0 |
| 42" | | 125.0 | 150.0 | 125.0 | 150.0 |
| 48" | | 125.0 | 150.0 | 125.0 | 150.0 |
| 54" | | 125.0 | 150.0 | 125.0 | 150.0 |
| 55" | | 125.0 | 150.0 | 125.0 | 150.0 |
| 60" | | 125.0 | 140.0 | 125.0 | 140.0 |
| 30" | 108" | 125.0 | 150.0 | 125.0 | 150.0 |
| 36" | | 125.0 | 150.0 | 125.0 | 150.0 |
| 42" | | 125.0 | 150.0 | 125.0 | 150.0 |
| 48" | | 125.0 | 150.0 | 125.0 | 150.0 |
| 54" | | 125.0 | 140.0 | 125.0 | 140.0 |
| 60" | | 125.0 | 140.0 | 125.0 | 140.0 |
| 30" | 114" | 125.0 | 150.0 | 125.0 | 150.0 |
| 36" | | 125.0 | 150.0 | 125.0 | 150.0 |
| 42" | | 125.0 | 150.0 | 125.0 | 150.0 |
| 48" | | 125.0 | 150.0 | 125.0 | 150.0 |
| 49" | | 125.0 | 150.0 | 125.0 | 150.0 |
| 54" | | 125.0 | 140.0 | 125.0 | 140.0 |
| 60" | | 125.0 | 129.8 | 125.0 | 140.0 |
| 30" | 120" | 125.0 | 150.0 | 125.0 | 150.0 |
| 36" | | 125.0 | 150.0 | 125.0 | 150.0 |
| 42" | | 125.0 | 150.0 | 125.0 | 150.0 |
| 48" | | 125.0 | 140.0 | 125.0 | 140.0 |
| 54" | | 125.0 | 130.2 | 125.0 | 140.0 |
| 57" | | 123.3 | 123.3 | 125.0 | 140.0 |
| 30" | 126" | 125.0 | 150.0 | 125.0 | 150.0 |
| 36" | | 125.0 | 150.0 | 125.0 | 150.0 |
| 42" | | 125.0 | 150.0 | 125.0 | 150.0 |
| 48" | | 125.0 | 132.8 | 125.0 | 140.0 |
| 54" | | 118.1 | 118.1 | 125.0 | 140.0 |
| 30" | 132" | 125.0 | 150.0 | 125.0 | 150.0 |
| 36" | | 125.0 | 150.0 | 125.0 | 150.0 |
| 42" | | 125.0 | 138.3 | 125.0 | 150.0 |
| 48" | | 121.0 | 121.0 | 125.0 | 140.0 |
| 52" | | 111.7 | 111.7 | 125.0 | 140.0 |
| 30" | 138" | 125.0 | 150.0 | 125.0 | 150.0 |
| 36" | | 125.0 | 147.6 | 125.0 | 150.0 |
| 40" | | 125.0 | 126.5 | 125.0 | 150.0 |
| 42" | | 110.7 | 110.7 | 125.0 | 140.0 |
| 48" | | 106.3 | 106.3 | 125.0 | 140.0 |
| 50" | | 102.2 | 102.2 | 125.0 | 140.0 |
| 30" | 144" | 125.0 | 150.0 | 125.0 | 150.0 |
| 36" | | 125.0 | 135.6 | 125.0 | 150.0 |
| 39" | | 125.0 | 125.2 | 125.0 | 150.0 |
| 42" | | 116.2 | 116.2 | 125.0 | 140.0 |
| 48" | | 101.7 | 101.7 | 125.0 | 140.0 |

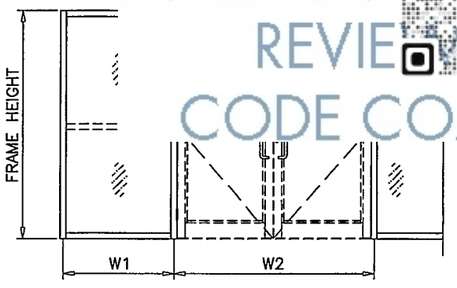



WIDTH (W) = W1
AT JAMB

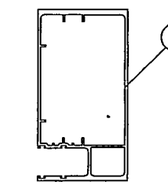
WIDTH (W) = $\frac{W2 + W3}{2}$
AT MULLION




WIDTH (W) = $\frac{W1 + W2}{2}$
AT MULLION

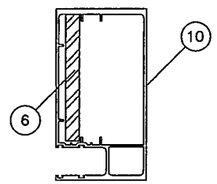



WIDTH (W) = $\frac{W1}{2} + \frac{W2}{4}$
AT MULLION




JAMB 'J1' & 'J2'

| Ix IN^4 | Sx IN^3 |
|---|---|
| 14.6111 | 4.6414 |



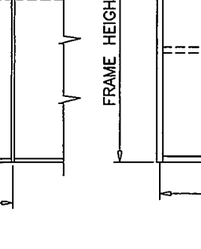

JAMB 'J3'

| | Ix IN^4 | Sx IN^3 |
|---|---|---|
| ALUMINUM | 14.6111 | 4.6414 |
| STEEL | 3.797 | 1.687 |
| TOTAL Ix ALUM + Ix STL X 2.9 | 25.622 | |




MULLION 'M1'

| Ix IN^4 | Sx IN^3 |
|---|---|
| 15.385 | 4.546 |



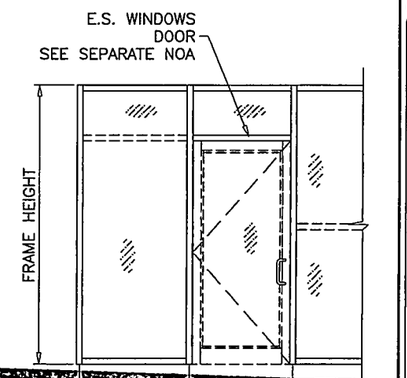

MULLION 'M2'

| | Ix IN^4 | Sx IN^3 |
|---|---|---|
| ALUMINUM | 15.385 | 4.546 |
| STEEL | 3.797 | 1.6875 |
| TOTAL Ix ALUM + Ix STL X 2.9 | 26.396 | |




MULLION 'M3'

| | Ix IN^4 | Sx IN^3 |
|---|---|---|
| ALUMINUM | 15.385 | 4.546 |
| STEEL | 7.594 | 3.375 |
| TOTAL Ix ALUM + Ix STL X 2.9 | 37.407 | |




Stantec
WIDTH (W) = $\frac{W1 + W2}{2}$
AT MULLION
Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131
REVIEW. NO EXCEPTIONS NOTED
Dated 8/9/18 By

NOTE:
INTERPOLATION BETWEEN WIDTHS ALLOWED.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 17-1218.08
Expiration Date July 25, 2023
By Manuel Perez
Miami-Dade Product Control

JAVAD AHMAD
LICENSE
No. 70592
STATE OF FLORIDA
PROFESSIONAL ENGINEER

MIAMI BEACH
REVIEWED FOR
CODE COMPLIANCE

AL-FAROOQ CORP
ENGINEERS & PRODUCT DEV
9360 SUNSET DRIVE, SUITE 2
MIAMI, FLORIDA 33173
TEL. (305) 264-9100 FAX.

SERIES 7000 ALUM WINDOW WALL SYSTEM (L.M.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL 33142
TEL. (305) 638-5158 FAX. (305) 638-5158

| revisions: | | | |
|---|---|---|---|
| no | date | by | description |
| A | 06.19.13 | | REV. PER RER COMMENTS |
| B | 04.03.15 | | UPDATED TO 2014 FBC |
| C | 07.29.15 | | NO CHANGE THIS SHEET |
| D | 10.30.17 | | UPDATED TO 2017 FBC |

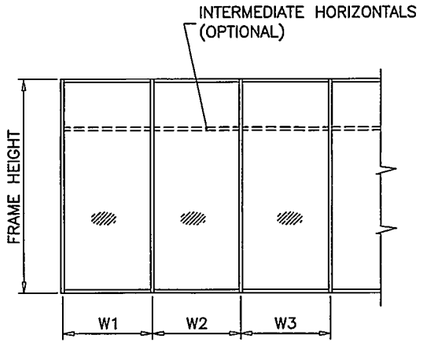
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dr. by: TARIQ
chk. by:

drawing no.
W08-34
51

sheet 3 of 13

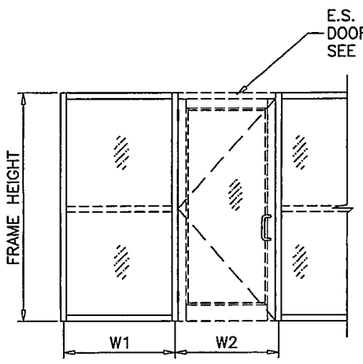
| MULLION DESIGN LOAD CAPACITY – PSF CHART FOR INSUL. LAM. GLASS MULLIONS | | | |
|---|---|---|---|
| NOMINAL DIMS. | | JAMB 'J1' MULL 'M1' | |
| WIDTH (W) | FRAME HEIGHT | EXT. (+) | INT. (–) |
| 30" | 108" | 92.0 | 92.0 |
| 36" | | 92.0 | 92.0 |
| 42" | | 92.0 | 92.0 |
| 48" | | 92.0 | 92.0 |
| 54" | | 92.0 | 92.0 |
| 60" | | 92.0 | 92.0 |
| 30" | 114" | 92.0 | 92.0 |
| 36" | | 92.0 | 92.0 |
| 42" | | 92.0 | 92.0 |
| 48" | | 92.0 | 92.0 |
| 54" | | 92.0 | 92.0 |
| 60" | | 92.0 | 92.0 |
| 30" | 120" | 92.0 | 92.0 |
| 36" | | 92.0 | 92.0 |
| 42" | | 92.0 | 92.0 |
| 48" | | 92.0 | 92.0 |
| 54" | | 92.0 | 92.0 |
| 57" | | 86.3 | 86.3 |
| 30" | 126" | 92.0 | 92.0 |
| 36" | | 92.0 | 92.0 |
| 42" | | 92.0 | 92.0 |
| 48" | | 92.0 | 92.0 |
| 54" | | 82.8 | 82.8 |
| 30" | 132" | 92.0 | 92.0 |
| 36" | | 92.0 | 92.0 |
| 42" | | 92.0 | 92.0 |
| 48" | | 81.0 | 81.0 |
| 52" | | 72.0 | 72.0 |
| 30" | 138" | 92.0 | 92.0 |
| 36" | | 92.0 | 92.0 |
| 42" | | 81.0 | 81.0 |
| 48" | | 70.9 | 70.9 |
| 50" | | 65.5 | 65.5 |
| 30" | 144" | 92.0 | 92.0 |
| 36" | | 83.2 | 83.2 |
| 42" | | 71.3 | 71.3 |
| 48" | | 62.4 | 62.4 |

| MULLION DESIGN LOAD CAPACITY – PSF CHART FOR INSUL. LAM. GLASS MULLIONS | | | | | |
|---|---|---|---|---|---|
| NOMINAL DIMS. | | JAMB 'J2' MULL 'M2' | | JAMB 'J3' MULL 'M3' | |
| WIDTH (W) | FRAME HEIGHT | EXT. (+) | INT. (–) | EXT. (+) | INT. (–) |
| 30" | 96" | 100.0 | 150.0 | 100.0 | 150.0 |
| 36" | | 100.0 | 150.0 | 100.0 | 150.0 |
| 42" | | 100.0 | 150.0 | 100.0 | 150.0 |
| 48" | | 100.0 | 150.0 | 100.0 | 150.0 |
| 54" | | 100.0 | 150.0 | 100.0 | 150.0 |
| 58" | | 100.0 | 140.0 | 100.0 | 140.0 |
| 60" | | 100.0 | 140.0 | 100.0 | 140.0 |
| 30" | 102" | 100.0 | 150.0 | 100.0 | 150.0 |
| 36" | | 100.0 | 150.0 | 100.0 | 150.0 |
| 42" | | 100.0 | 150.0 | 100.0 | 150.0 |
| 48" | | 100.0 | 150.0 | 100.0 | 150.0 |
| 54" | | 100.0 | 140.0 | 100.0 | 140.0 |
| 55" | | 100.0 | 140.0 | 100.0 | 140.0 |
| 60" | | 100.0 | 140.0 | 100.0 | 140.0 |
| 30" | 108" | 100.0 | 150.0 | 100.0 | 150.0 |
| 36" | | 100.0 | 150.0 | 100.0 | 150.0 |
| 42" | | 100.0 | 150.0 | 100.0 | 150.0 |
| 48" | | 100.0 | 150.0 | 100.0 | 150.0 |
| 54" | | 100.0 | 140.0 | 100.0 | 140.0 |
| 60" | | 100.0 | 140.0 | 100.0 | 140.0 |
| 30" | 114" | 100.0 | 150.0 | 100.0 | 150.0 |
| 36" | | 100.0 | 150.0 | 100.0 | 150.0 |
| 42" | | 100.0 | 150.0 | 100.0 | 150.0 |
| 48" | | 100.0 | 140.0 | 100.0 | 140.0 |
| 49" | | 100.0 | 140.0 | 100.0 | 140.0 |
| 54" | | 100.0 | 140.0 | 100.0 | 140.0 |
| 58" | | 100.0 | 140.0 | 100.0 | 140.0 |
| 60" | | 100.0 | 140.0 | 100.0 | 140.0 |
| 30" | 120" | 100.0 | 150.0 | 100.0 | 150.0 |
| 36" | | 100.0 | 150.0 | 100.0 | 150.0 |
| 42" | | 100.0 | 150.0 | 100.0 | 150.0 |
| 48" | | 100.0 | 140.0 | 100.0 | 140.0 |
| 54" | | 100.0 | 137.8 | 100.0 | 140.0 |
| 57" | | 100.0 | 130.6 | 100.0 | 140.0 |
| 30" | 126" | 100.0 | 150.0 | 100.0 | 150.0 |
| 36" | | 100.0 | 150.0 | 100.0 | 150.0 |
| 42" | | 100.0 | 150.0 | 100.0 | 150.0 |
| 48" | | 100.0 | 133.9 | 100.0 | 140.0 |
| 54" | | 100.0 | 119.0 | 100.0 | 140.0 |
| 30" | 132" | 100.0 | 150.0 | 100.0 | 150.0 |
| 36" | | 100.0 | 150.0 | 100.0 | 150.0 |
| 42" | | 100.0 | 133.1 | 100.0 | 140.0 |
| 48" | | 100.0 | 116.5 | 100.0 | 140.0 |
| 52" | | 100.0 | 107.5 | 100.0 | 137.9 |
| 30" | 138" | 100.0 | 150.0 | 100.0 | 150.0 |
| 36" | | 100.0 | 135.9 | 100.0 | 150.0 |
| 42" | | 100.0 | 116.5 | 100.0 | 140.0 |
| 48" | | 100.0 | 101.9 | 100.0 | 133.0 |
| 50" | | 97.9 | 97.9 | 100.0 | 127.6 |
| 30" | 144" | 100.0 | 140.0 | 100.0 | 140.0 |
| 36" | | 100.0 | 119.6 | 100.0 | 140.0 |
| 39" | | 100.0 | 110.4 | 100.0 | 140.0 |
| 42" | | 100.0 | 102.5 | 100.0 | 133.7 |
| 48" | | 89.7 | 89.7 | 100.0 | 117.0 |

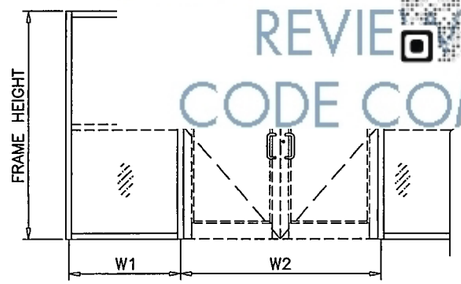



WIDTH (W) = W1
AT JAMB

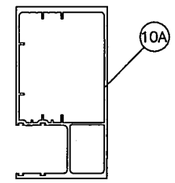
WIDTH (W) = $\frac{W2 + W3}{2}$
AT MULLION




WIDTH (W) = $\frac{W1 + W2}{2}$
AT MULLION

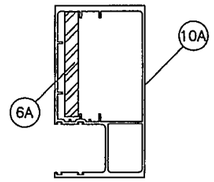



WIDTH (W) = $\frac{W1}{2} + \frac{W2}{4}$
AT MULLION



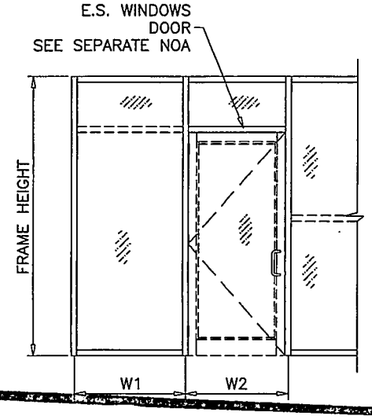

JAMB 'J1' & 'J2'

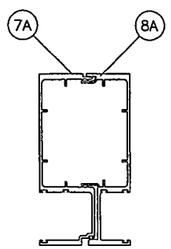
| Ix IN^4 | Sx IN^3 |
|---|---|
| 14.1989 | 4.5744 |




JAMB 'J3'

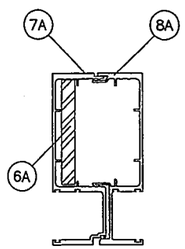
| | Ix IN^4 | Sx IN^3 |
|---|---|---|
| ALUMINUM | 14.1989 | 4.5744 |
| STEEL | 2.197 | 1.172 |
| TOTAL Ix ALUM + Ix STL X 2.9 | 20.571 | |



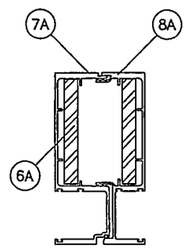

MULLION 'M1'

| Ix IN^4 | Sx IN^3 |
|---|---|
| 14.414 | 4.488 |




MULLION 'M2'

| | Ix IN^4 | Sx IN^3 |
|---|---|---|
| ALUMINUM | 14.414 | 4.488 |
| STEEL | 2.197 | 1.172 |
| TOTAL Ix ALUM + Ix STL X 2.9 | 20.786 | |




MULLION 'M3'

| | Ix IN^4 | Sx IN^3 |
|---|---|---|
| ALUMINUM | 14.414 | 4.488 |
| STEEL | 4.394 | 2.344 |
| TOTAL Ix ALUM + Ix STL X 2.9 | 27.158 | |

NOTE:
INTERPOLATION BETWEEN WIDTHS ALLOWED.

WIDTH (W) = $\frac{W1 + W2}{2}$
AT MULLION

Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131

REVIEW. NO EXCEPTIONS NOTED

Dated 8/9/18 By

PRODUCT REVISED
is complying with the Florida
Building Code
Acceptance No 17-1218.08
Expiration Date July 25, 2023
By Manuel Perez
Miami Dade Product Control

JAVAD AHMAD
LICENSE
No. 70592
STATE OF FLORIDA
PROFESSIONAL ENGINEER

MIAMI BEACH
REVIEWED FOR
CODE COMPLIANCE

AL-FAROOQ CORP
ENGINEERS & PRODUCT DEV
9360 SUNSET DRIVE, SUITE 2
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX.

SERIES 7000 ALUM WINDOW WALL SYSTEM (L.M.I.)

E.S. WINDOWS, LLC
9350 SW 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5158 FAX. (305) 638-5159

| revisions: | | | |
|---|---|---|---|
| no | date | by | description |
| A | 06.19.13 | | REV. PER RER COMMENTS |
| B | 04.03.15 | | UPDATED TO 2014 FBC |
| C | 07.29.15 | | NO CHANGE THIS SHEET |
| D | 10.30.17 | | UPDATED TO 2017 FBC |

date: 04-24-13
scale: 3/8" = 1'
dr. by: TARIQ
chk. by:

drawing no.
W08-34
52

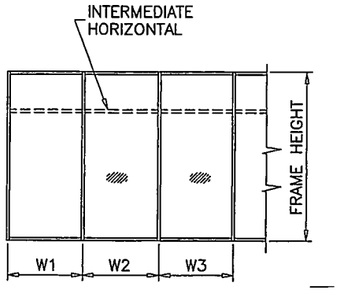
sheet 4 of 13

## HEAD/SILL ANCHOR DESIGN LOAD CAPACITY – PSF
EXT.(+) & INT.(–)

| NOMINAL DIMS. | | TYPE 'A' | | | TYPE 'B' | | | TYPE 'C' | | | TYPE 'D' | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WIDTH (W) | FRAME HEIGHT | A3 | A4 | A5 | B3 | B4 | B5 | C3 | C4 | C5 | D3 | D4 | D5 |
| 30" | 90" | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 120.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 |
| 36" | | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 100.0 | 134.0 | 150.0 | 150.0 | 150.0 | 150.0 |
| 42" | | 131.0 | 150.0 | 150.0 | 149.0 | 150.0 | 150.0 | 86.0 | 115.0 | 143.0 | 142.0 | 150.0 | 150.0 |
| 48" | | 115.0 | 150.0 | 150.0 | 130.0 | 150.0 | 150.0 | 75.0 | 100.0 | 125.0 | 124.0 | 150.0 | 150.0 |
| 54" | | 102.0 | 136.0 | 150.0 | 116.0 | 150.0 | 150.0 | 67.0 | 89.0 | 111.0 | 110.0 | 147.0 | 150.0 |
| 60" | | 92.0 | 122.0 | 150.0 | 104.0 | 139.0 | 150.0 | 60.0 | 80.0 | 100.0 | 99.0 | 132.0 | 150.0 |
| 30" | 96" | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 113.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 |
| 36" | | 144.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 94.0 | 125.0 | 150.0 | 150.0 | 150.0 | 150.0 |
| 42" | | 123.0 | 150.0 | 150.0 | 139.0 | 150.0 | 150.0 | 81.0 | 107.0 | 134.0 | 133.0 | 150.0 | 150.0 |
| 48" | | 108.0 | 144.0 | 150.0 | 122.0 | 150.0 | 150.0 | 71.0 | 94.0 | 118.0 | 116.0 | 150.0 | 150.0 |
| 54" | | 96.0 | 128.0 | 150.0 | 108.0 | 144.0 | 150.0 | 63.0 | 84.0 | 104.0 | 103.0 | 138.0 | 150.0 |
| 60" | | 86.0 | 115.0 | 144.0 | 98.0 | 130.0 | 150.0 | 56.0 | 75.0 | 94.0 | 93.0 | 124.0 | 150.0 |
| 30" | 102" | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 106.0 | 142.0 | 150.0 | 150.0 | 150.0 | 150.0 |
| 36" | | 135.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 88.0 | 118.0 | 147.0 | 146.0 | 150.0 | 150.0 |
| 42" | | 116.0 | 150.0 | 150.0 | 131.0 | 150.0 | 150.0 | 76.0 | 101.0 | 126.0 | 125.0 | 150.0 | 150.0 |
| 48" | | 101.0 | 135.0 | 150.0 | 115.0 | 150.0 | 150.0 | 66.0 | 88.0 | 111.0 | 109.0 | 146.0 | 150.0 |
| 54" | | 90.0 | 120.0 | 150.0 | 102.0 | 136.0 | 150.0 | 59.0 | 79.0 | 98.0 | 97.0 | 130.0 | 150.0 |
| 60" | | 81.0 | 108.0 | 135.0 | 92.0 | 122.0 | 150.0 | 53.0 | 71.0 | 88.0 | 88.0 | 117.0 | 146.0 |
| 30" | 108" | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 100.0 | 134.0 | 150.0 | 150.0 | 150.0 | 150.0 |
| 36" | | 128.0 | 150.0 | 150.0 | 144.0 | 150.0 | 150.0 | 84.0 | 111.0 | 139.0 | 138.0 | 150.0 | 150.0 |
| 42" | | 109.0 | 146.0 | 150.0 | 124.0 | 150.0 | 150.0 | 72.0 | 95.0 | 119.0 | 118.0 | 150.0 | 150.0 |
| 48" | | 96.0 | 128.0 | 150.0 | 108.0 | 144.0 | 150.0 | 63.0 | 84.0 | 104.0 | 103.0 | 138.0 | 150.0 |
| 54" | | 85.0 | 113.0 | 142.0 | 96.0 | 128.0 | 150.0 | 56.0 | 74.0 | 93.0 | 92.0 | 122.0 | 150.0 |
| 60" | | 77.0 | 102.0 | 128.0 | 87.0 | 116.0 | 144.0 | 50.0 | 67.0 | 84.0 | 83.0 | 110.0 | 138.0 |
| 30" | 114" | 145.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 95.0 | 127.0 | 150.0 | 150.0 | 150.0 | 150.0 |
| 36" | | 121.0 | 150.0 | 150.0 | 137.0 | 150.0 | 150.0 | 79.0 | 106.0 | 132.0 | 131.0 | 150.0 | 150.0 |
| 42" | | 104.0 | 138.0 | 150.0 | 117.0 | 150.0 | 150.0 | 68.0 | 90.0 | 113.0 | 112.0 | 149.0 | 150.0 |
| 48" | | 91.0 | 121.0 | 150.0 | 103.0 | 137.0 | 150.0 | 59.0 | 79.0 | 99.0 | 98.0 | 131.0 | 150.0 |
| 54" | | 81.0 | 107.0 | 134.0 | 91.0 | 122.0 | 150.0 | 53.0 | 70.0 | 88.0 | 87.0 | 116.0 | 145.0 |
| 60" | | 73.0 | 97.0 | 121.0 | 82.0 | 109.0 | 137.0 | 47.0 | 63.0 | 79.0 | 78.0 | 104.0 | 131.0 |
| 30" | 120" | 138.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 90.0 | 120.0 | 150.0 | 149.0 | 150.0 | 150.0 |
| 36" | | 115.0 | 150.0 | 150.0 | 130.0 | 150.0 | 150.0 | 75.0 | 100.0 | 125.0 | 124.0 | 150.0 | 150.0 |
| 42" | | 98.0 | 131.0 | 150.0 | 111.0 | 149.0 | 150.0 | 64.0 | 86.0 | 107.0 | 106.0 | 142.0 | 150.0 |
| 48" | | 86.0 | 115.0 | 144.0 | 98.0 | 130.0 | 150.0 | 56.0 | 75.0 | 94.0 | 93.0 | 124.0 | 150.0 |
| 54" | | 77.0 | 102.0 | 128.0 | 87.0 | 116.0 | 144.0 | 50.0 | 67.0 | 84.0 | 83.0 | 110.0 | 138.0 |
| 57" | | 73.0 | 97.0 | 121.0 | 82.0 | 109.0 | 137.0 | 47.0 | 63.0 | 79.0 | 78.0 | 104.0 | 131.0 |
| 30" | 126" | 131.0 | 150.0 | 150.0 | 149.0 | 150.0 | 150.0 | 86.0 | 115.0 | 143.0 | 142.0 | 150.0 | 150.0 |
| 36" | | 109.0 | 146.0 | 150.0 | 124.0 | 150.0 | 150.0 | 72.0 | 95.0 | 119.0 | 118.0 | 150.0 | 150.0 |
| 42" | | 94.0 | 125.0 | 150.0 | 106.0 | 141.0 | 150.0 | 61.0 | 82.0 | 102.0 | 101.0 | 135.0 | 150.0 |
| 48" | | 82.0 | 109.0 | 137.0 | 93.0 | 124.0 | 150.0 | 54.0 | 72.0 | 90.0 | 89.0 | 118.0 | 148.0 |
| 54" | | 73.0 | 97.0 | 121.0 | 83.0 | 110.0 | 138.0 | 48.0 | 64.0 | 80.0 | 79.0 | 105.0 | 131.0 |
| 30" | 132" | 125.0 | 150.0 | 150.0 | 142.0 | 150.0 | 150.0 | 82.0 | 109.0 | 137.0 | 135.0 | 150.0 | 150.0 |
| 36" | | 104.0 | 139.0 | 150.0 | 118.0 | 150.0 | 150.0 | 68.0 | 91.0 | 114.0 | 113.0 | 150.0 | 150.0 |
| 42" | | 89.0 | 119.0 | 149.0 | 101.0 | 135.0 | 150.0 | 59.0 | 78.0 | 98.0 | 97.0 | 129.0 | 150.0 |
| 48" | | 78.0 | 104.0 | 130.0 | 89.0 | 118.0 | 148.0 | 51.0 | 68.0 | 85.0 | 85.0 | 113.0 | 141.0 |
| 52" | | 72.0 | 96.0 | 120.0 | 82.0 | 109.0 | 136.0 | 47.0 | 63.0 | 79.0 | 78.0 | 104.0 | 130.0 |

## HEAD/SILL ANCHOR DESIGN LOAD CAPACITY
EXT.(+) & INT.(–)

| NOMINAL DIMS. | | TYPE 'A' | | | TYPE 'B' | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WIDTH (W) | FRAME HEIGHT | A3 | A4 | A5 | B3 | B4 | B5 | C3 | | | | | |
| 30" | 138" | 120.0 | 150.0 | 150.0 | 136.0 | 150.0 | 150.0 | 78.0 | | | | | |
| 36" | | 100.0 | 133.0 | 150.0 | 113.0 | 150.0 | 150.0 | 65.0 | | | | | |
| 42" | | 86.0 | 114.0 | 143.0 | 97.0 | 129.0 | 150.0 | 56.0 | | | | | |
| 48" | | 75.0 | 100.0 | 125.0 | 85.0 | 113.0 | 141.0 | 49.0 | | | | | |
| 50 | | 72.0 | 96.0 | 120.0 | 81.0 | 109.0 | 136.0 | 47.0 | 63.0 | 78.0 | 78.0 | 104.0 | 129.0 |
| 30" | 144" | 115.0 | 150.0 | 150.0 | 130.0 | 150.0 | 150.0 | 75.0 | 100.0 | 125.0 | 124.0 | 150.0 | 150.0 |
| 36" | | 96.0 | 128.0 | 150.0 | 108.0 | 144.0 | 150.0 | 63.0 | 84.0 | 104.0 | 103.0 | 138.0 | 150.0 |
| 42" | | 82.0 | 109.0 | 137.0 | 93.0 | 124.0 | 150.0 | 54.0 | 72.0 | 90.0 | 89.0 | 118.0 | 148.0 |
| 48" | | 72.0 | 96.0 | 120.0 | 81.0 | 108.0 | 135.0 | 47.0 | 63.0 | 78.0 | 78.0 | 103.0 | 129.0 |




WIDTH (W) = W1
AT FRAME JAMB

WIDTH (W) = $\frac{W2 + W3}{2}$
AT FRAME MULLION

ANCHORS TYPES: SEE SHEET 7 FOR DESCRIPTION

A3 = (3) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB AND MULLION
B3 = (3) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION
C3 = (3) ANCHORS TYPE 'C' AT EACH SIDE OF JAMB AND MULLION
D3 = (3) ANCHORS TYPE 'D' AT EACH SIDE OF JAMB AND MULLION

A4 = (4) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB AND MULLION
B4 = (4) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION
C4 = (4) ANCHORS TYPE 'C' AT EACH SIDE OF JAMB AND MULLION
D4 = (4) ANCHORS TYPE 'D' AT EACH SIDE OF JAMB AND MULLION

A5 = (5) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB AND MULLION
B5 = (5) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION
C5 = (5) ANCHORS TYPE 'C' AT EACH SIDE OF JAMB AND MULLION
D5 = (5) ANCHORS TYPE 'D' AT EACH SIDE OF JAMB AND MULLION

ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION.

NOTE:
INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 17-1218.08
Expiration Date July 25, 2022
By
Miami-Dade Product Control

JAVAD AHMAD
LICENSE
No. 70592
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131

REVIEW. NO EXCEPTIONS NOTED

Date: 8/9/19 By:

MIAMI BEACH
REVIEWED FOR
CODE COMPLIANCE

AL-FAROOQ CORP
ENGINEERS & PRODUCT DEV
9360 SUNSET DRIVE, SUITE
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX.

SERIES 7000 ALUM WINDOW WALL SYSTEM (L.M.I.)

E.S. WINDOWS, LLC
3550 NW. 49 STREET,
MIAMI, FL. 33142
TEL. (305) 638-5158 FAX. (305) 638-5158

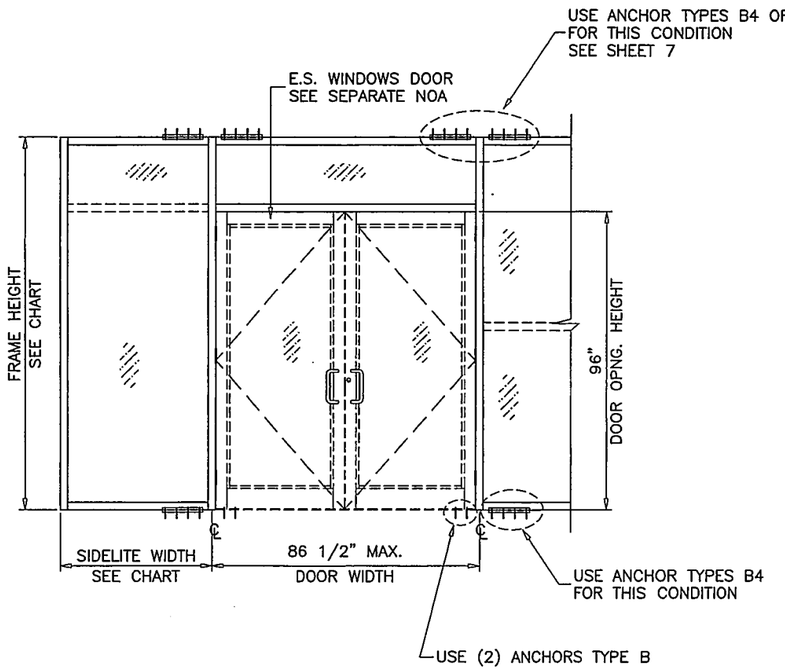
| revisions: | | | |
|---|---|---|---|
| no | date | by | description |
| A | 06.19.13 | | REV. PER RER COMMENTS |
| B | 04.03.15 | | UPDATED TO 2014 FBC |
| C | 07.29.15 | | NO CHANGE THIS SHEET |
| D | 10.30.17 | | UPDATED TO 2017 FBC |

date: 04-24-13
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
W08-34
53

sheet 5 of 13

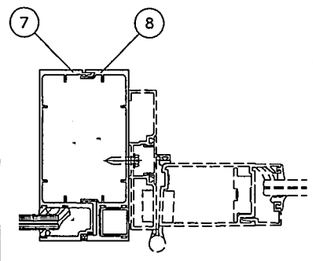
| DOOR MULLION DESIGN LOAD CAPACITY–PSF | | | | |
|---|---|---|---|---|
| SIDELITE WIDTH INCHES | FRAME HEIGHT INCHES | MULL 'MD1' EXT. (+) INT. (–) | MULL 'MD2' EXT. (+) INT. (–) | MULL 'MD3' EXT. (+) INT. (–) |
| 30 | 120 | 90.0 | 90.0 | 90.0 |
| 36 | | 90.0 | 90.0 | 90.0 |
| 42 | | 90.0 | 90.0 | 90.0 |
| 48 | | 90.0 | 90.0 | 90.0 |
| 54 | | 90.0 | 90.0 | 90.0 |
| 57 | | 88.6 | 90.0 | 90.0 |
| 30 | 126 | 90.0 | 90.0 | 90.0 |
| 36 | | 90.0 | 90.0 | 90.0 |
| 42 | | 88.2 | 90.0 | 90.0 |
| 48 | | 83.9 | 90.0 | 90.0 |
| 54 | | 80.0 | 90.0 | 90.0 |
| 30 | 132 | 87.1 | 90.0 | 90.0 |
| 36 | | 82.2 | 90.0 | 90.0 |
| 42 | | 77.6 | 90.0 | 90.0 |
| 48 | | 73.4 | 90.0 | 90.0 |
| 52 | | 70.9 | 89.2 | 90.0 |
| 30 | 138 | 74.1 | 90.0 | 90.0 |
| 36 | | 69.8 | 90.0 | 90.0 |
| 42 | | 66.0 | 86.7 | 90.0 |
| 48 | | 62.6 | 82.6 | 90.0 |
| 50 | | 61.5 | 81.4 | 90.0 |
| 30 | 144 | 63.6 | 86.9 | 90.0 |
| 36 | | 60.0 | 82.5 | 90.0 |
| 42 | | 56.8 | 78.5 | 90.0 |
| 48 | | 53.9 | 74.8 | 90.0 |




| DOOR MULLION DESIGN LOAD C | | | | |
|---|---|---|---|---|
| SIDELITE WIDTH INCHES | FRAME HEIGHT INCHES | MULL 'MD1' EXT. (+) INT. (–) | MU | |
| 30 | 120 | 90.0 | | |
| 36 | | 90.0 | | |
| 42 | | 90.0 | | |
| 48 | | 90.0 | | |
| 54 | | 89.6 | 90.0 | 90.0 |
| 57 | | 87.5 | 90.0 | 90.0 |
| 30 | 126 | 90.0 | 90.0 | 90.0 |
| 36 | | 90.0 | 90.0 | 90.0 |
| 42 | | 86.4 | 90.0 | 90.0 |
| 48 | | 81.7 | 90.0 | 90.0 |
| 54 | | 77.4 | 90.0 | 90.0 |
| 30 | 132 | 81.8 | 90.0 | 90.0 |
| 36 | | 77.0 | 90.0 | 90.0 |
| 42 | | 72.7 | 90.0 | 90.0 |
| 48 | | 68.8 | 90.0 | 90.0 |
| 52 | | 66.5 | 90.0 | 90.0 |
| 30 | 138 | 69.4 | 90.0 | 90.0 |
| 36 | | 65.4 | 90.0 | 90.0 |
| 42 | | 61.8 | 89.2 | 90.0 |
| 48 | | 58.6 | 84.6 | 90.0 |
| 50 | | 57.7 | 83.1 | 90.0 |
| 30 | 144 | 59.6 | 85.9 | 90.0 |
| 36 | | 56.6 | 81.6 | 90.0 |
| 42 | | 53.2 | 76.7 | 90.0 |
| 48 | | 50.5 | 72.9 | 90.0 |

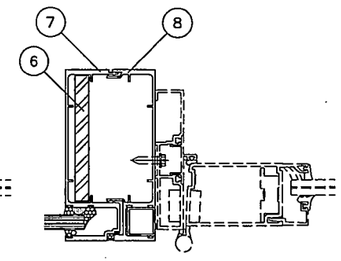

Starbac
Two South Biscayne Blvd., Suite 3070
Miami, Florida 33131
REVIEWED FOR CODE COMPLIANCE
Dated 9/9/16 By DG


## LAMINATED GLASS MULLIONS



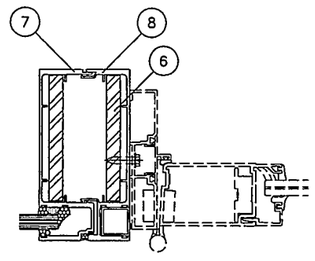

MULLION 'MD1'

| Ix IN^4 | Sx IN^3 |
|---|---|
| 15.385 | 4.546 |




MULLION 'MD2'

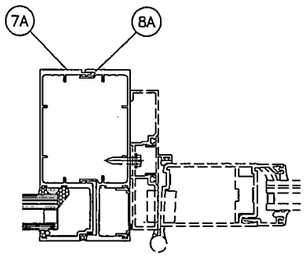
| | Ix IN^4 | Sx IN^3 |
|---|---|---|
| ALUMINUM | 15.385 | 4.546 |
| STEEL | 3.797 | 1.6875 |
| TOTAL Ix ALUM + Ix STL X 2.9 | 26.396 | |




MULLION 'MD3'

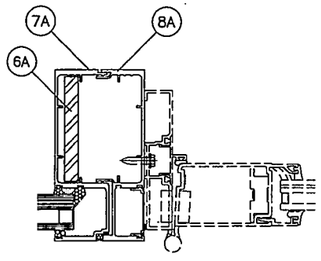
| | Ix IN^4 | Sx IN^3 |
|---|---|---|
| ALUMINUM | 15.385 | 4.546 |
| STEEL | 7.594 | 3.375 |
| TOTAL Ix ALUM + Ix STL X 2.9 | 37.407 | |

## INSUL. LAM. GLASS MULLIONS



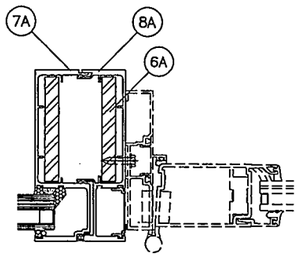

MULLION 'MD1'

| Ix IN^4 | Sx IN^3 |
|---|---|
| 14.414 | 4.488 |




MULLION 'MD2'

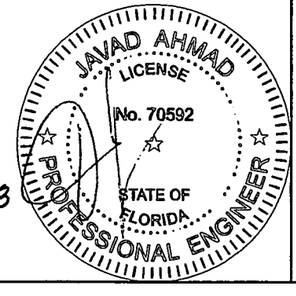
| | Ix IN^4 | Sx IN^3 |
|---|---|---|
| ALUMINUM | 14.414 | 4.488 |
| STEEL | 2.197 | 1.172 |
| TOTAL Ix ALUM + Ix STL X 2.9 | 20.786 | |




MULLION 'MD3'

| | Ix IN^4 | Sx IN^3 |
|---|---|---|
| ALUMINUM | 14.414 | 4.488 |
| STEEL | 4.394 | 2.344 |
| TOTAL Ix ALUM + Ix STL X 2.9 | 27.158 | |

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 17-1218.08
Expiration Date July 25, 2023
By
Miami Dade Product Control





AL-FAROOQ CORP
ENGINEERS & PRODUCT DEV
9360 SUNSET DRIVE, SUITE 2
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX.


SERIES 7000 ALUM WINDOW WALL SYSTEM (L.M.I.)

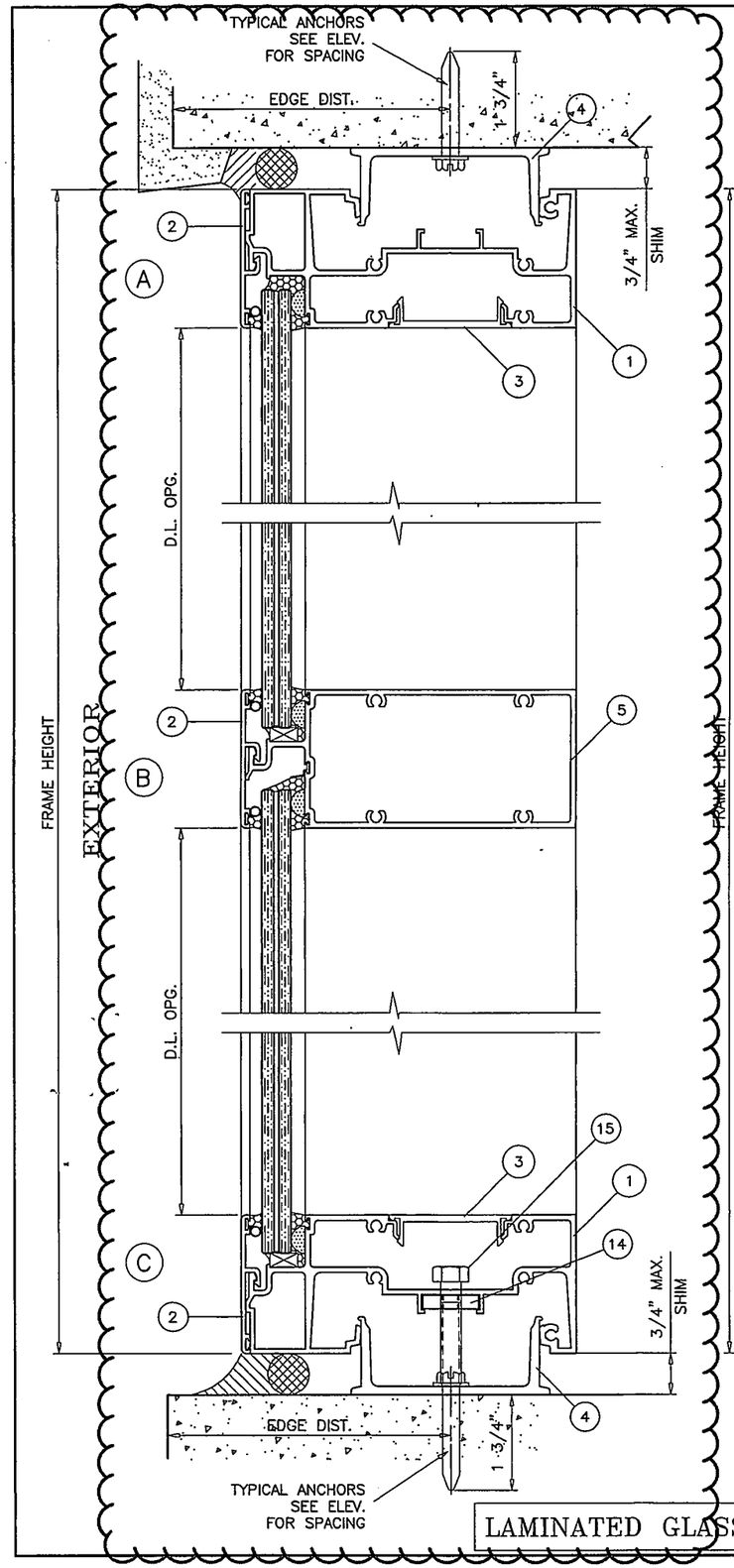
E.S. WINDOWS, LLC
3550 N.W. 49 STREET,
MIAMI, FL. 33142
TEL. (305) 638-5158 FAX. (305) 638-5158

| revisions: | | | |
|---|---|---|---|
| no | date | by | description |
| A | 06.19.13 | | REV. PER RER COMMENTS |
| B | 04.03.15 | | UPDATED TO 2014 FBC |
| C | 07.29.15 | | NO CHANGE THIS SHEET |
| D | 10.30.17 | | UPDATED TO 2017 FBC |

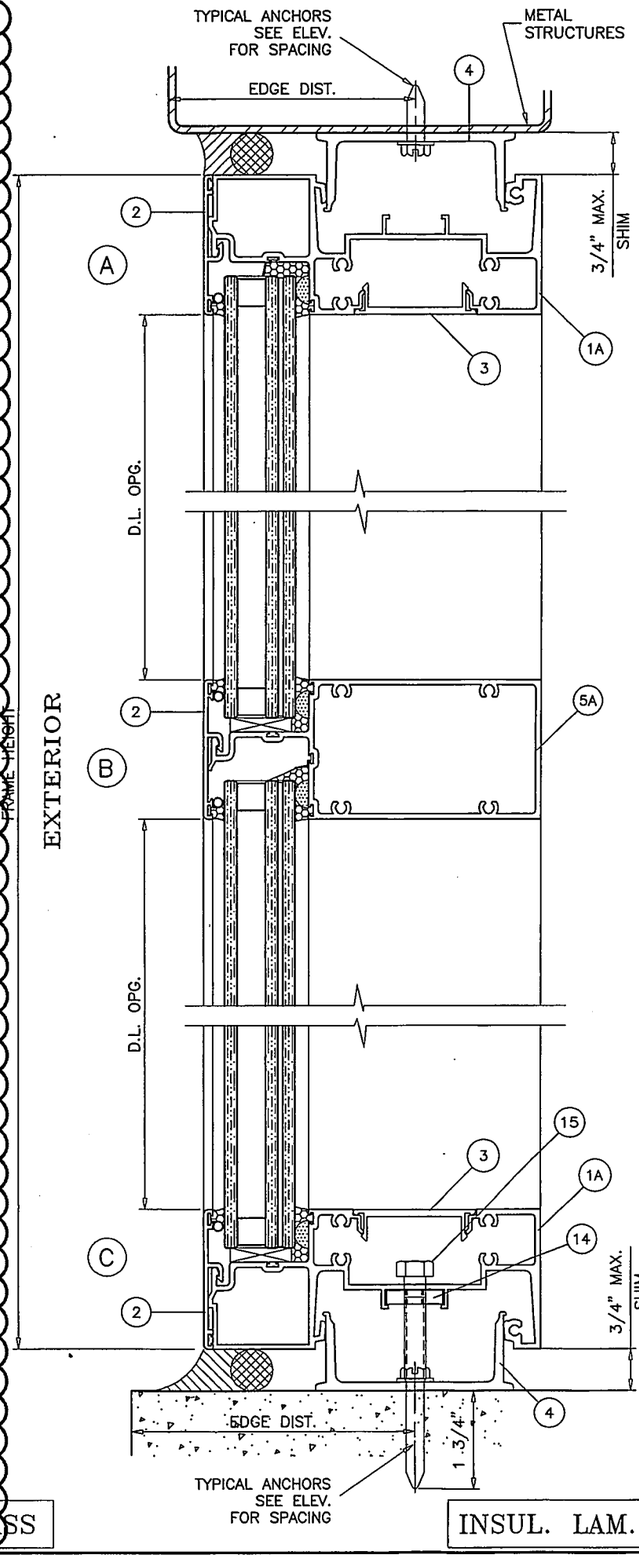
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scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
W08–34
54

sheet 6 of 13




LAMINATED GLASS




INSUL. LAM. GLASS

METAL STRUCTURES NOT BY E
MUST SUPPORT LOADS IMPOSE
TRANSFER THEM TO THE BUILD

TYPICAL ANCHORS: SEE EL

TYPE 'A'
1/4" DIA ULTRACON-BY-'ELCO' (Fu=177 KSI, Fy=155 KSI)
DIRECTLY INTO CONCRETE (3000 PSI MIN.)
WITH 1-3/4" MIN. EMBED INTO CONC.
ANCHOR EDGE DISTANCES
INTO CONCRETE = 2-1/2" MIN.

TYPE 'B'
5/16" DIA ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
DIRECTLY INTO CONCRETE (3000 PSI MIN.)
WITH 2" MIN. EMBED INTO CONC.
ANCHOR EDGE DISTANCES
INTO CONCRETE = 3-1/8" MIN.

TYPE 'C'
#14 SMS OR SELF DRILLING SCREWS ST/ST (Fu=100 KSI, Fy=65 KSI)
INTO METAL STRUCTURES
(3) THREADS MIN. PENETRATION BEYOND SUBSTRATE
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)
ANCHOR EDGE DISTANCES
INTO METAL STRUCTURE = 1" MIN.

TYPE 'D'
#14 SMS OR SELF DRILLING SCREWS ST/ST (Fu=100 KSI, Fy=65 KSI)
INTO METAL STRUCTURES
(3) THREADS MIN. PENETRATION BEYOND SUBSTRATE
ALUMINUM: 1/4" THK. MIN. (6063-T5 MIN.)
STEEL: 1/4" THK. MIN. (Fy = 36 KSI MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)
ANCHOR EDGE DISTANCES
INTO METAL STRUCTURE = 1" MIN.

SEALANTS:

ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER OF GLAZING BEAD TO FRAME SEALED WITH SILICONE SEALANT.

Reviewed for Code Compliance
Dade County, Florida
Permit 5/1/18 By RG

REVIEW NO EXCEPTIONS NOTED

PRODUCT REVISED
is complying with the Florida
Building Code
Acceptance No. 17-1218.08
Expiration Date July 25, 2023
By Manuel Perez
Miami Dade Product Control

JAVAD AHMAD
LICENSE
No. 70592
STATE OF FLORIDA
PROFESSIONAL ENGINEER

AL-FAROOQ CORP
ENGINEERS & PRODUCT DEV
9360 SUNSET DRIVE, SUITE 2
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX.

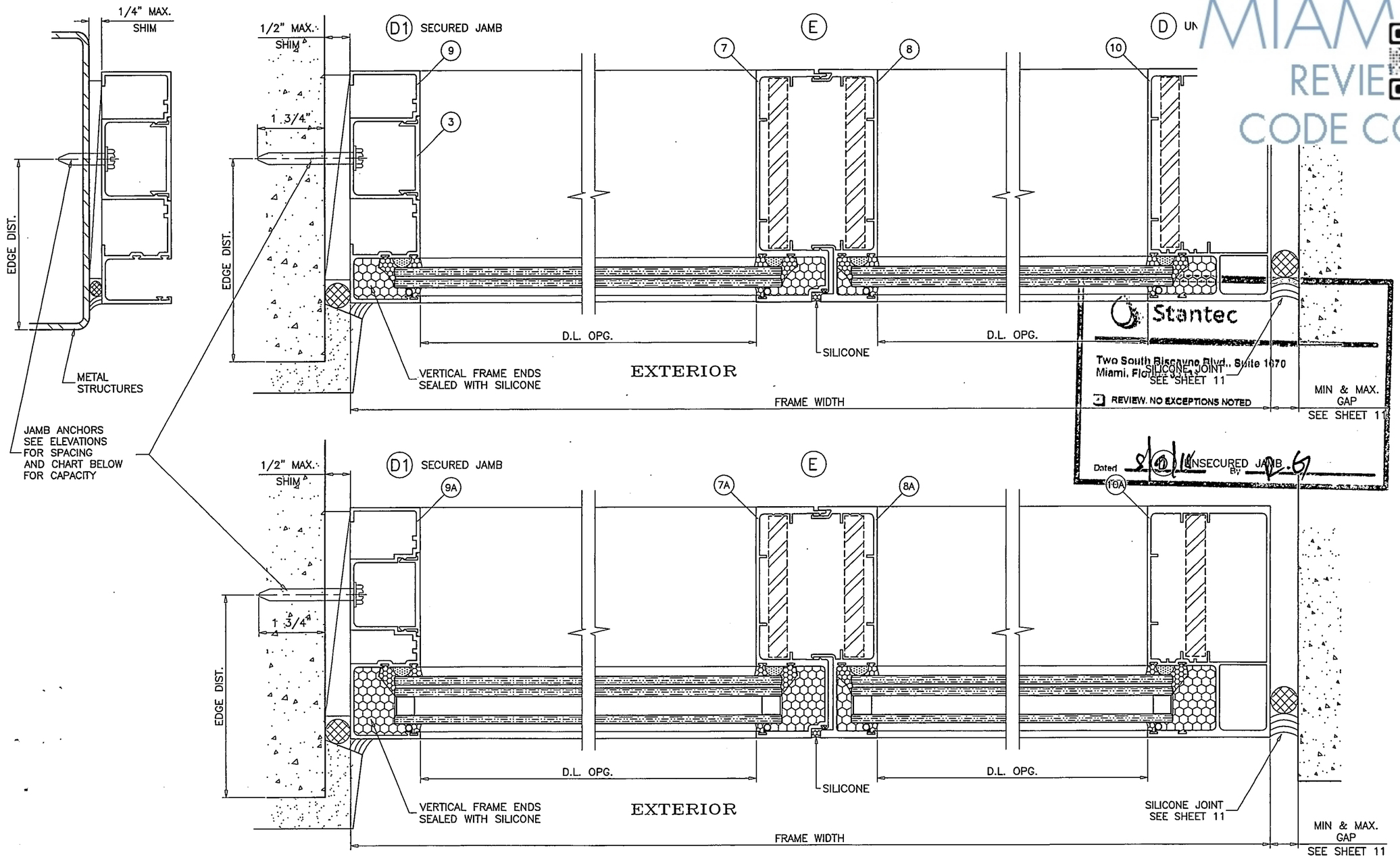
SERIES 7000 ALUM WINDOW WALL SYSTEM (L.M.I.)

E.S. WINDOWS, LLC
3350 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

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date: 04-14-13
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
W08-34
55
sheet 7 of 13




| JAMB ANCHORS DESIGN LOAD CAPACITY - PSF | | | | | |
|---|---|---|---|---|---|
| | 1/4" MAX. SHIM SPACE | 3/8" MAX. SHIM SPACE | | 1/2" MAX. SHIM SPACE | |
| | ANCHORS 'A', 'B' & 'C' | ANCHORS 'A' | ANCHORS 'B' | ANCHORS 'A' | ANCHORS 'B' |
| WIDTH (W) | EXT.(+) INT.(−) | EXT.(+) INT.(−) | EXT.(+) INT.(−) | EXT.(+) INT.(−) | EXT.(+) INT.(−) |
| 36" | 150.0 | 123.4 | 150.0 | 96.3 | 150.0 |
| 42" | 150.0 | 105.8 | 150.0 | 82.5 | 150.0 |
| 48" | 150.0 | 92.5 | 150.0 | 72.2 | 137.1 |
| 54" | 150.0 | 82.3 | 150.0 | 64.2 | 121.8 |
| 60" | 150.0 | 74.0 | 139.3 | 57.8 | 109.7 |

Stantec
Two South Biscayne Blvd., Suite 1070
Miami, Florida 33131

REVIEW. NO EXCEPTIONS NOTED

Dated 8/01/16 UNSECURED JAMB By

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 17-1218.08
Expiration Date July 25, 2023
By Manuel Perez
Miami-Dade Product Control

JAVAD AHMAD
LICENSE
No. 70592
STATE OF FLORIDA
PROFESSIONAL ENGINEER

MIAMI BEACH
REVIEWED FOR
CODE COMPLIANCE

AL-FAROOQ CORP
ENGINEERS & PRODUCT DEV
9360 SUNSET DRIVE, SUITE
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX.

SERIES 7000 ALUM WINDOW WALL SYSTEM (L.M.I.)

E.S. WINDOWS, LLC
3350 N.W. 49 STREET
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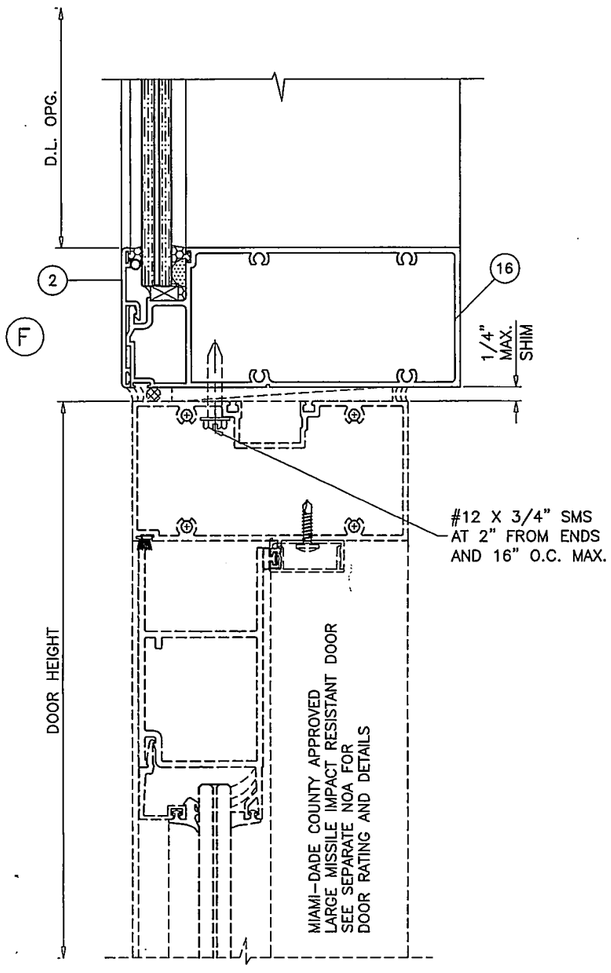
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dr. by: TARIQ
chk. by:

drawing no.
W08-34
56

sheet 8 of 13

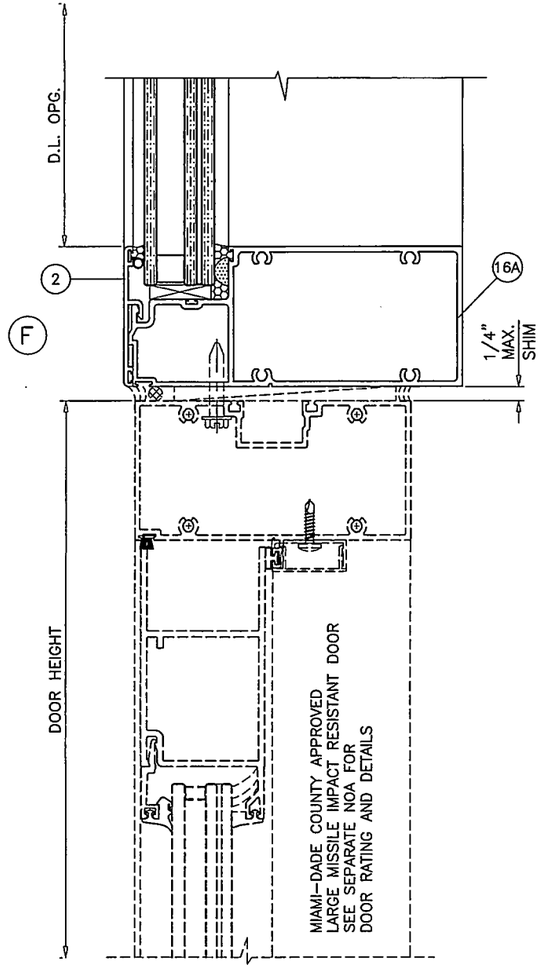
MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE

EXTERIOR




LAMINATED GLASS

EXTERIOR




INSUL. LAM. GLASS

SEE SEPARA
CAPACITY OI

LOWER VALL
OR WINDOWALL SYSTEM CAPACITY CHARTS
WILL APPLY TO ENTIRE SYSTEM.

Stantec

Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131

REVIEW. NO EXCEPTIONS NOTED

Dated 8/9/18 By R.G

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 17-1218.08
Expiration Date July 25, 2023
By Manuel Perez
Miami Dade Product Control

JAVAD AHMAD
LICENSE
No. 70592
STATE OF FLORIDA
PROFESSIONAL ENGINEER

AL-FAROOQ CORP
ENGINEERS & PRODUCT DEV
9360 SUNSET DRIVE, SUITE 1
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SERIES 7000 ALUM WINDOW WALL SYSTEM (L.M.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:

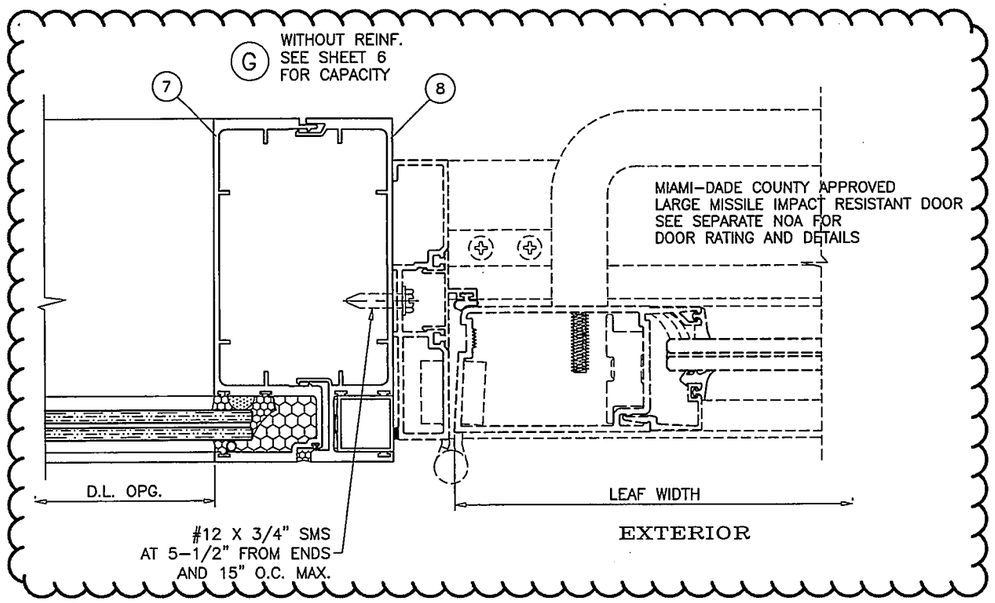
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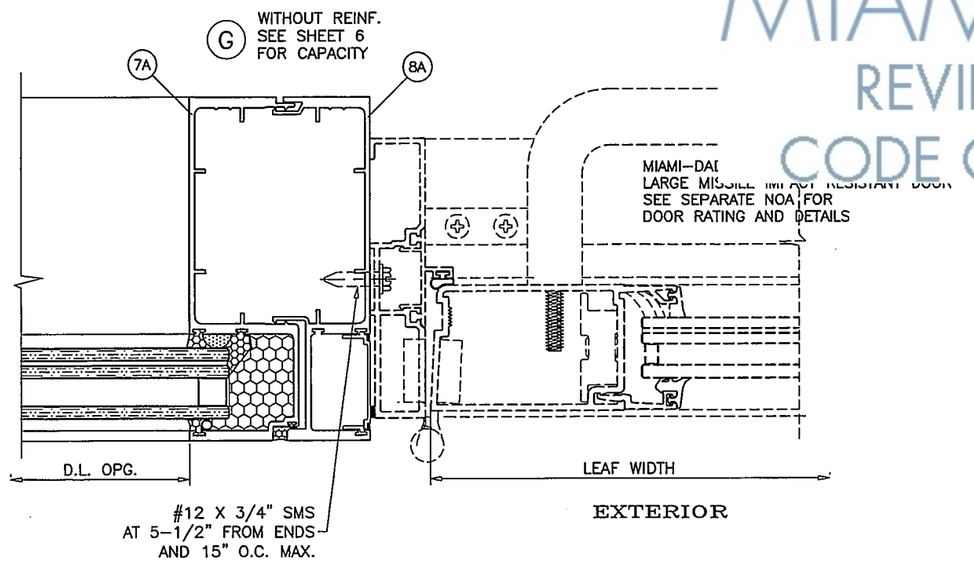
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dr. by: TARIQ
chk. by:

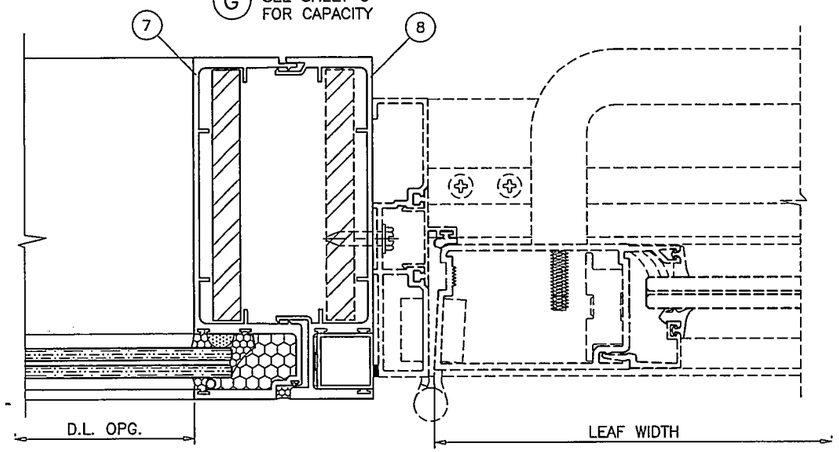
drawing no.
W08-34
57

sheet 9 of 13

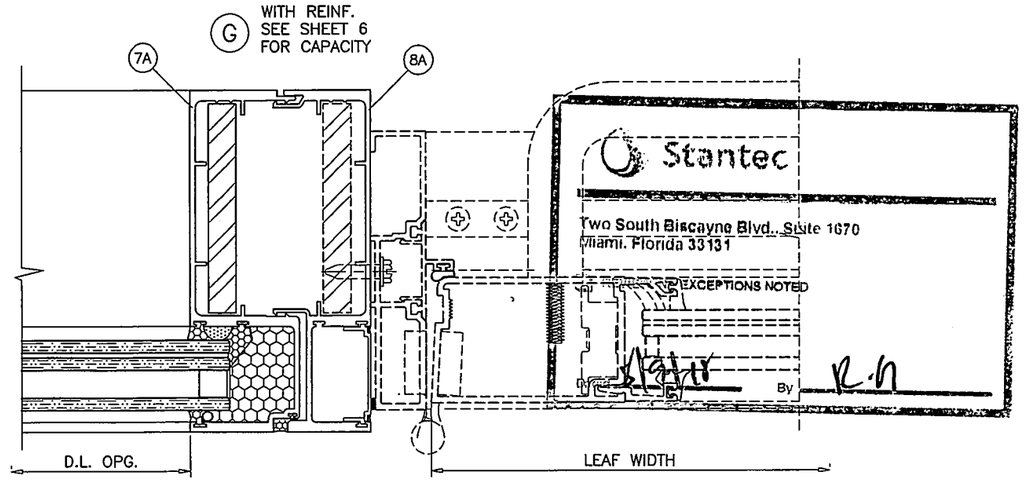
MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE




LAMINATED GLASS




INSUL. LAM. GLASS

SEE SEPARATE NOA FOR DESIGN LOAD
CAPACITY OF DOORS AND DOOR ANCHORS.

LOWER VALUES FROM DOORS NOA
OR WINDOWALL SYSTEM CAPACITY CHARTS
WILL APPLY TO ENTIRE SYSTEM.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 17-1212.08
Expiration Date July 25 2023
By
Miami Dade Product Control

JAVAD AHMAD
LICENSE
No. 70592
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

AL-FAROOQ CORP
ENGINEERS & PRODUCT DEV
9360 SUNSET DRIVE, SUITE
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX.

SERIES 7000 ALUM WINDOW WALL SYSTEM (L.M.I.)

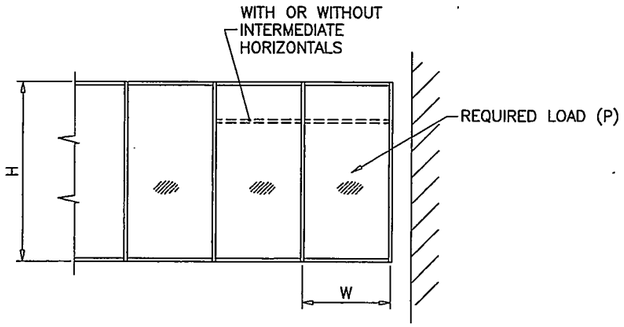
E.S. WINDOWS, LLC
5550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

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dr. by: TARIQ
chk. by:

drawing no.
W08-34

| UNANCHORED JAMB DEFLECTION AT 100 PSF DESIGN WIND PRESSURE DEFLECTION – IN. (CHART D100) | | | | | |
|---|---|---|---|---|---|
| NOMINAL DIMS. | | LAM. GLASS | | INSUL. LAM. GLASS | |
| WIDTH (W) | FRAME HEIGHT | UNREINF. | REINF. | UNREINF. | REINF. |
| 30" | 96" | .079 | .045 | .081 | .056 |
| 36" | | .095 | .054 | .097 | .067 |
| 42" | | .110 | .063 | .114 | .078 |
| 48" | | .126 | .072 | .130 | .090 |
| 54" | | .142 | .081 | .146 | .101 |
| 60" | | .158 | .090 | .162 | .112 |
| 30" | 102" | .100 | .057 | .103 | .071 |
| 36" | | .121 | .069 | .124 | .086 |
| 42" | | .141 | .080 | .145 | .100 |
| 48" | | .161 | .092 | .165 | .114 |
| 54" | | .181 | .103 | .186 | .128 |
| 60" | | .201 | .115 | .207 | .143 |
| 30" | 108" | .126 | .072 | .130 | .090 |
| 36" | | .152 | .086 | .156 | .108 |
| 42" | | .177 | .101 | .182 | .126 |
| 48" | | .202 | .115 | .208 | .144 |
| 54" | | .227 | .130 | .234 | .161 |
| 60" | | .253 | .144 | .260 | .179 |
| 30" | 114" | .157 | .089 | .161 | .111 |
| 36" | | .188 | .107 | .194 | .134 |
| 42" | | .220 | .125 | .226 | .156 |
| 48" | | .251 | .143 | .258 | .178 |
| 54" | | .282 | .161 | .290 | .200 |
| 60" | | .314 | .179 | .323 | .223 |
| 30" | 120" | .192 | .110 | .198 | .137 |
| 36" | | .231 | .132 | .238 | .164 |
| 42" | | .269 | .154 | .277 | .191 |
| 48" | | .308 | .176 | .317 | .219 |
| 57" | | .365 | .198 | .376 | .260 |
| 30" | 126" | .234 | .133 | .241 | .166 |
| 36" | | .281 | .160 | .289 | .199 |
| 42" | | .328 | .187 | .337 | .233 |
| 48" | | .374 | .213 | .385 | .266 |
| 54" | | .421 | .240 | .433 | .299 |
| 30" | 132" | .282 | .161 | .290 | .200 |
| 36" | | .338 | .193 | .348 | .240 |
| 42" | | .395 | .225 | .406 | .280 |
| 48" | | .451 | .257 | .464 | .320 |
| 52" | | .488 | .278 | .503 | .347 |
| 30" | 138" | .337 | .192 | .346 | .239 |
| 36" | | .404 | .230 | .416 | .287 |
| 42" | | .471 | .269 | .485 | .335 |
| 48" | | .539 | .307 | .554 | .383 |
| 30" | 144" | .399 | .228 | .411 | .284 |
| 36" | | .479 | .273 | .493 | .340 |
| 42" | | .559 | .319 | .575 | .397 |
| 48" | | .639 | .364 | .657 | .454 |




UNANCHORED JAMBS MOVEMENT AND JOINT SEALANT DETERMINATION CHART D100 AT LEFT TO BE USED TO DETERMINE JAMB DEFLECTION AT 100 PSF DESIGN WIND PRESSURE FOR ANY OF THE POSSIBLE UNANCHORED CONDITIONS.
THIS VALUE CAN BE USED TO DETERMINE THE ACTUAL PROJECT DEFLECTION USING INSTRUCTIONS SHOWN BELOW.
USING GAP/DEFLECTION CHART DETERMINE THE MAX. DEFLECTION ALLOWED FOR THE GAPS SHOWN FOR TWO SEALANT TYPES.

INSTRUCTIONS: TO OBTAIN DEFLECTION AT PROJECT

1. DETERMINE APPLICABLE JAMB (UNREINFORCED OR REINFORCED)
2. OBTAIN REQUIRED DESIGN WIND PRESSURE.
3. READ DEFLECTION AT 100 PSF (D100) FROM CHART AT LEFT.
4. OPTAIN PROJECT DEFLECTION (PD)

$$PD = \frac{P}{100} X\ D100$$

(PD MUST NOT EXCEED L/180)

5. FROM CHART BELOW DETERMINE MAX. DEFLECTION ALLOWABLE FOR A GIVEN PROJECT GAP AND SEALANT TYPE.

| GAP/DEFL. CHART | |
|---|---|
| GAP. IN. | MAX. DEFL. |
| .250" | .433" |
| .375" | .649" |
| .500" | .800" |
| .625" | .800" |
| .750" | .800" |
| 1.000" | .800" |

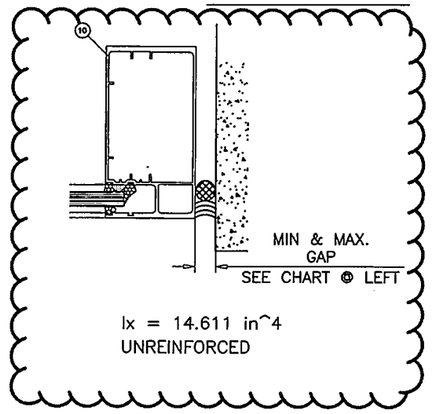
MAXIMUM GAP = 1"
MINIMUM GAP = 1/4"

EXAMPLE:
FOR A GAP OF 1/2"
MAX. DEFLECTION ALLOWED = .800" FOR 100% STRETCH SEALANT

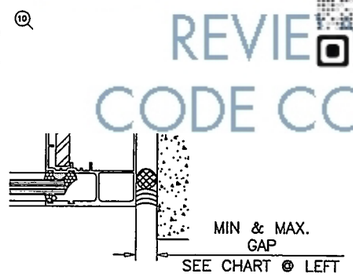
ALTERNATE SEALANTS AT JAMB GAPS CAN BE DESIGNED BY ENGINEER OF RECORD BASED ON MANUFACTURER GUIDE LINES.

GAPS LESS THAN 1/4" MAY BE DESIGNED BY ENGINEER OF RECORD BY THE USE OF BOND BREAKER TAPE OR 15% OF GAP ALLOWED MOVEMENT.

LAMINATED GLASS

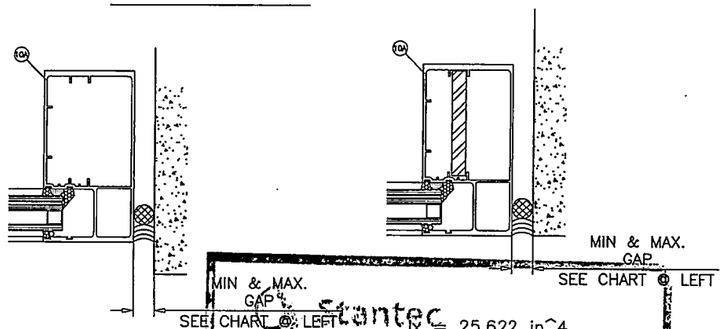



Ix = 14.611 in^4
UNREINFORCED




Ix = 25.622 in^4
(IN TERMS OF ALUMINUM)
REINFORCED

INSULATED GLASS




Ix = 14.611 in^4
UNREINFORCED

Ix = 25.622 in^4
(IN TERMS OF ALUMINUM)
REINFORCED

Two South Biscayne Blvd., Suite 1070
Miami, Florida 33131

REVIEW. NO EXCEPTIONS NOTED

Dated 8/7/18 By R.G

NOTE:
DATA IN THIS SHEET MAY BE USED TO QUALIFY SEALANT TO BE USED AT UNANCHORED JAMBS.
MAX. MOVEMENT CONSIDERED=100% STRETCH.
PLEASE REFER TO SEALANT MANUFACTURER'S DATA AND APPLICATION MANUAL FOR COMPATABILITY OF SEALANT TO SUBSTRATE & WINDOW WALL MATERIAL/FINISH AND COMPLIANCE FOR WARRANTY.

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 17-1218.08
Expiration Date July 25, 2023
By Manuel Perez
Miami Dade Product Control

JAVAD AHMAD LICENSE No. 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

MIAMI BEACH
REVIEWED FOR
CODE COMPLIANCE

AL-FAROOQ CORP
ENGINEERS & PRODUCT DEV
9360 SUNSET DRIVE, SUITE 2
MIAMI, FLORIDA 33173
TEL (305) 264-8100 FAX.

SERIES 7000 ALUM WINDOW WALL SYSTEM (L.M.I.)

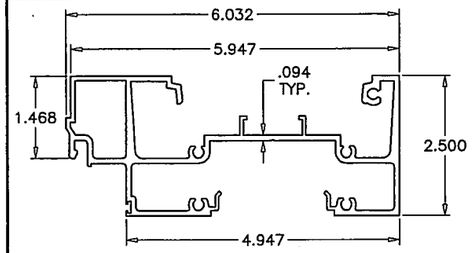
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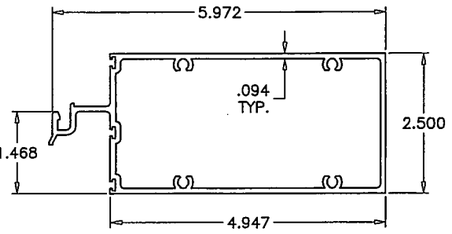
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scale: NONE
dr. by: TARIQ
chk. by:

drawing no.
W08-34
59

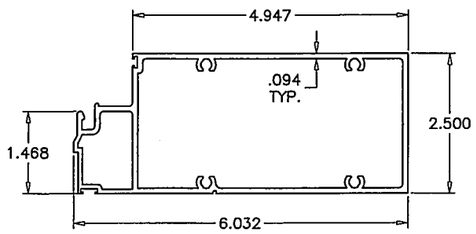
sheet 11 of 13



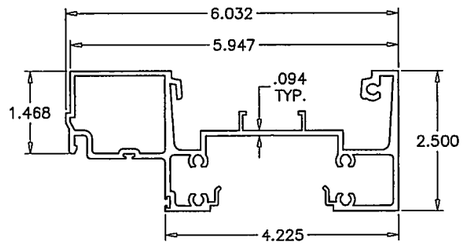

(1) FRAME HEAD/SILL (LAM. GLASS)



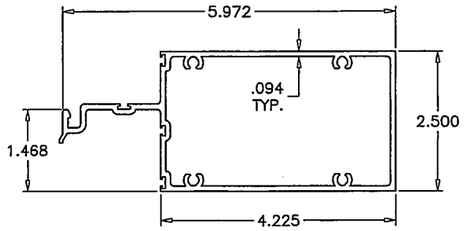

(5) INTERMEDIATE HORIZONTAL (LAM. GLASS)



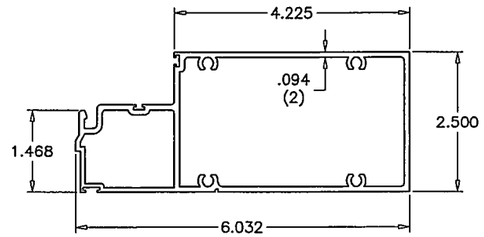

(16) TRANSOM MULLION (LAM. GLASS)



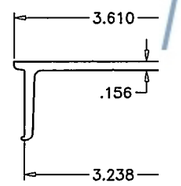

(1A) FRAME HEAD/SILL (LAM. INSUL. GLASS)



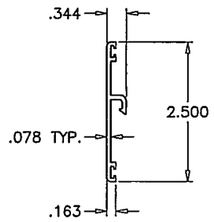

(5A) INTERMEDIATE HORIZONTAL (LAM. INSUL. GLASS)



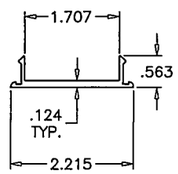

(16A) TRANSOM MULLION (LAM. INSUL. GLASS)



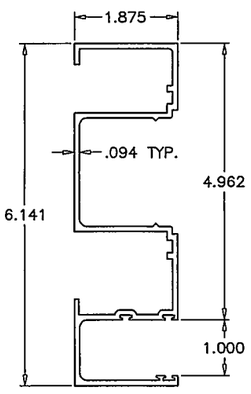

(4) ANCHOR BASE



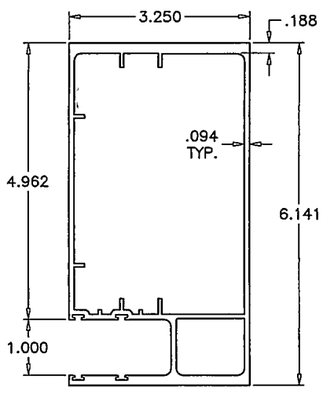

(2) GLAZING STOP



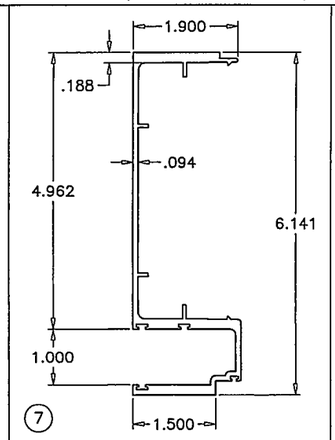

(3) SNAP COVER



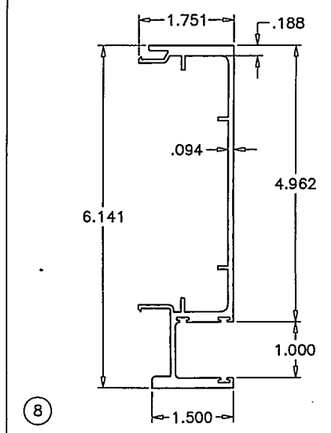

(9) SECURED JAMB (LAM. GLASS)



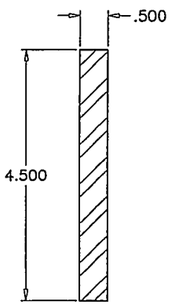

(10) UNSECURED JAMB (LAM. GLASS)



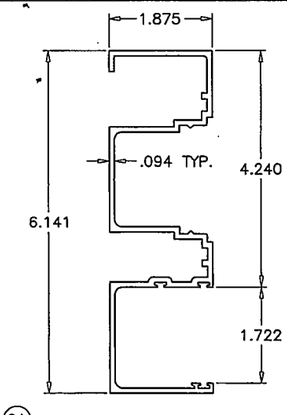

(7) MALE MULLION (LAM. GLASS)



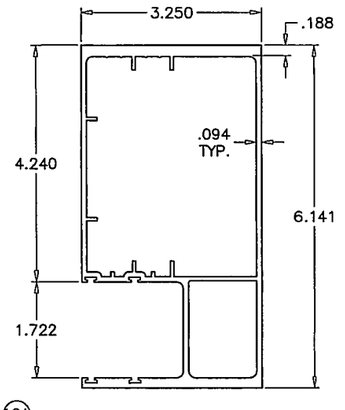

(8) FEMALE MULLION (LAM. GLASS)



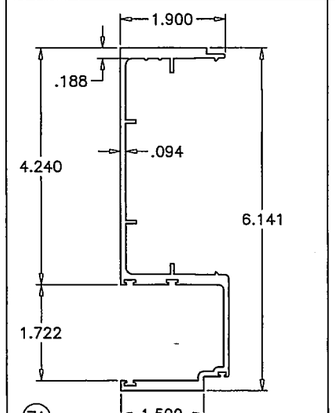

(6) REINF. BAR (LAM. GLASS)



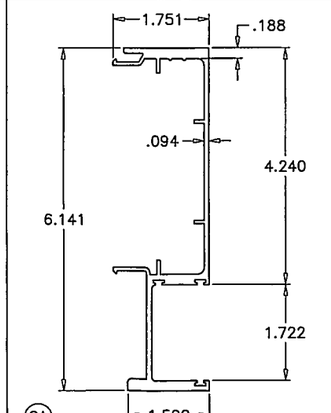

(9A) SECURED JAMB (LAM. INSUL. GL.)



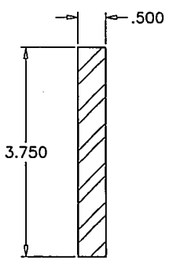

(10A) UNSECURED JAMB (LAM. INSUL. GL.)




(7A) MALE MULLION (LAM. INSUL. GL.)




(8A) FEMALE MULLION (LAM. INSUL. GL.)




(6A) REINF. BAR (LAM. INSUL. GLASS)

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 17-1218.08
Expiration Date July 25 2023
By Manuel Perez
Miami Dade Product Control

Stantec
Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131
REVIEW. NO EXCEPTIONS NOTED
Dated 8/9/18 By R.G

JAVAD AHMAD
LICENSE
No. 70592
STATE OF FLORIDA
PROFESSIONAL ENGINEER

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE


AL-FAROOQ CORP
ENGINEERS & PRODUCT DEV
9360 SUNSET DRIVE, SUITE 2
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX.


SERIES 7000 ALUM WINDOW WALL SYSTEM (L.M.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL: (305) 638-5151 FAX: (305) 638-5158

| revisions: | | | |
|---|---|---|---|
| no | date | by | description |
| A | 06.19.13 | | NO CHANGE THIS SHEET |
| B | 04.03.15 | | UPDATED TO 2014 FBC |
| C | 07.29.15 | | NO CHANGE THIS SHEET |
| D | 10.30.17 | | UPDATED TO 2017 FBC |

date: 04-24-13
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
W08-3460

sheet 12 of 13

| ITEM NO. | PART NUMBER | QUANTITY | DESCRIPTION | | |
|---|---|---|---|---|---|
| 1 | ES7001B | AS REQD. | FRAME HEAD/SILL (LAM. GLASS) | | |
| 1A | ES7021B | AS REQD. | FRAME HEAD/SILL (INSUL. LAM. GLASS) | | |
| 2 | ES7006 | AS REQD. | GLAZING STOP | | |
| 3 | ES7003 | AS REQD. | SNAP COVER | | |
| 4 | ES7004 | AS REQD. | ANCHOR BASE, 9" LONG | | |
| 5 | ES7005 | AS REQD. | INTERMEDIATE HORIZONTAL (LAM. GLASS) | | |
| 5A | ES7022 | AS REQD. | INTERMEDIATE HORIZONTAL (INSUL. LAM. GLASS) | | |
| 6 | – | AS REQD. | REINFORCING BAR (LAM. GLASS) | STEEL | A36, Fu MIN. = 58 KSI |
| 6A | – | AS REQD. | REINFORCING BAR (INSUL. LAM. GLASS) | STEEL | A36, Fu MIN. = 58 KSI |
| 7 | ES7007 | AS REQD. | MALE MULLION (LAM. GLASS) | 6005–T5 | – |
| 7A | ES7023 | AS REQD. | MALE MULLION (INSUL. LAM. GLASS) | 6005–T5 | – |
| 8 | ES7008 | AS REQD. | FEMALE MULLION (LAM. GLASS) | 6005–T5 | – |
| 8A | ES7024 | AS REQD. | FEMALE MULLION (INSUL. LAM. GLASS) | 6005–T5 | – |
| 9 | ES7009 | AS REQD. | SECURED JAMB (LAM. GLASS) | 6063–T6 | – |
| 9A | ES7025 | AS REQD. | SECURED JAMB (INSUL. LAM. GLASS) | 6063–T6 | – |
| 10 | ES–7010A | AS REQD. | UNSECURED JAMB (LAM. GLASS) | 6005–T5 | – |
| 10A | ES–7026A | AS REQD. | UNSECURED JAMB (INSUL. LAM. GLASS) | 6005–T5 | – |
| 11 | ES7011 | AS REQD. | BUMPON | POLYURETHANE | – |
| 12 | ES7012 | AS REQD. | EXTERIOR GLASS SEAL | SANTOPRENE | – |
| 13 | #12 X 1" | AS REQD. | FRAME ASSEMBLY SCREWS | – | PH SMS |
| 13A | #14 X 1" | AS REQD. | FRAME ASSEMBLY SCREWS | – | PH SMS |
| 14 | – | AS REQD. | 1/4" X 1" BAR WITH 3/8" THREADED HOLE | ALUMINUM | – |
| 15 | 3/8" BOLT | AS REQD. | LEVELING SCREW | ST/ST | – |
| 16 | – | AS REQD. | TRANSOM MULLION (LAM. GLASS) | 6005–T5 | – |
| 16A | – | AS REQD. | TRANSOM MULLION (INSUL. LAM. GLASS) | 6005–T5 | – |
| 17 | – | 2/ LITE | SETTING BLOCK | EPDM | DUROMETER 80±5 SHORE A |

MIAMI BEACH
REVIEWED FOR
CODE COMPLIANCE

Stantec

Two South Biscayne Blvd.. Suite 1670
Miami. Florida 33131

REVIEW. NO EXCEPTIONS NOTED

Dated 8/9/18 By

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 17-1218.08
Expiration Date July 25, 2023
By
Miami Dade Product Control

JAVAD AHMAD
LICENSE
No. 70592
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

AL-FAROOQ CORP
ENGINEERS & PRODUCT DEV
9360 SUNSET DRIVE, SUITE 2
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX.

SERIES 7000 ALUM WINDOW WALL SYSTEM (L.M.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:

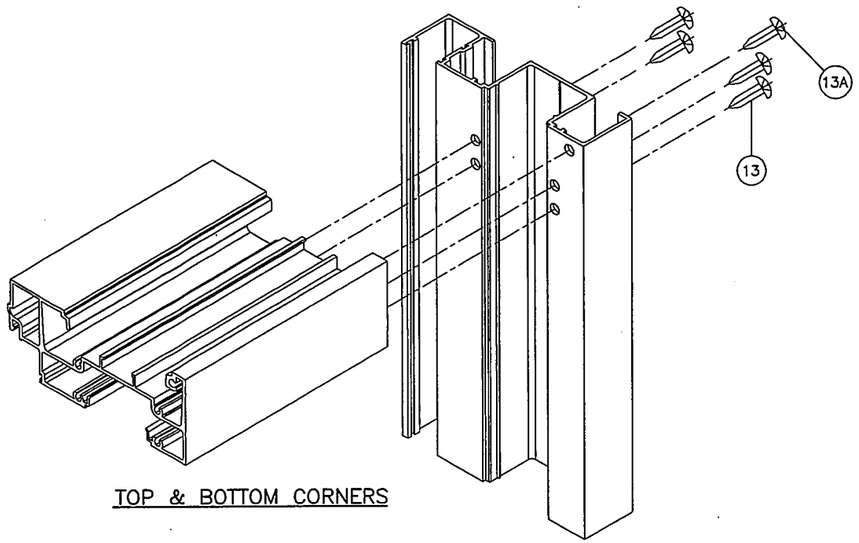
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| B | 04.03.15 | | UPDATED TO 2014 FBC |
| C | 07.29.15 | | NO CHANGE THIS SHEET |
| D | 10.30.17 | | UPDATED TO 2017 FBC |

date: 04-24-13
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

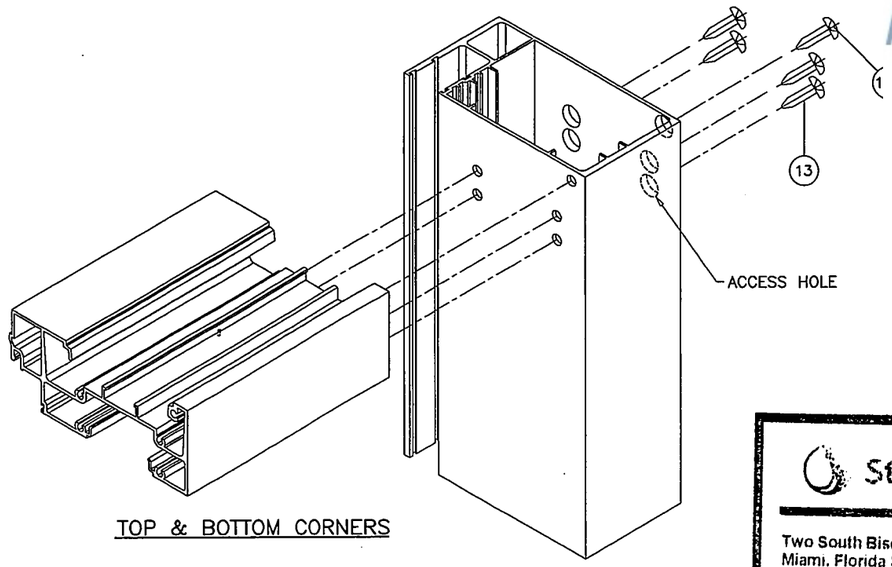
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W08–34
61

sheet 13 of 13

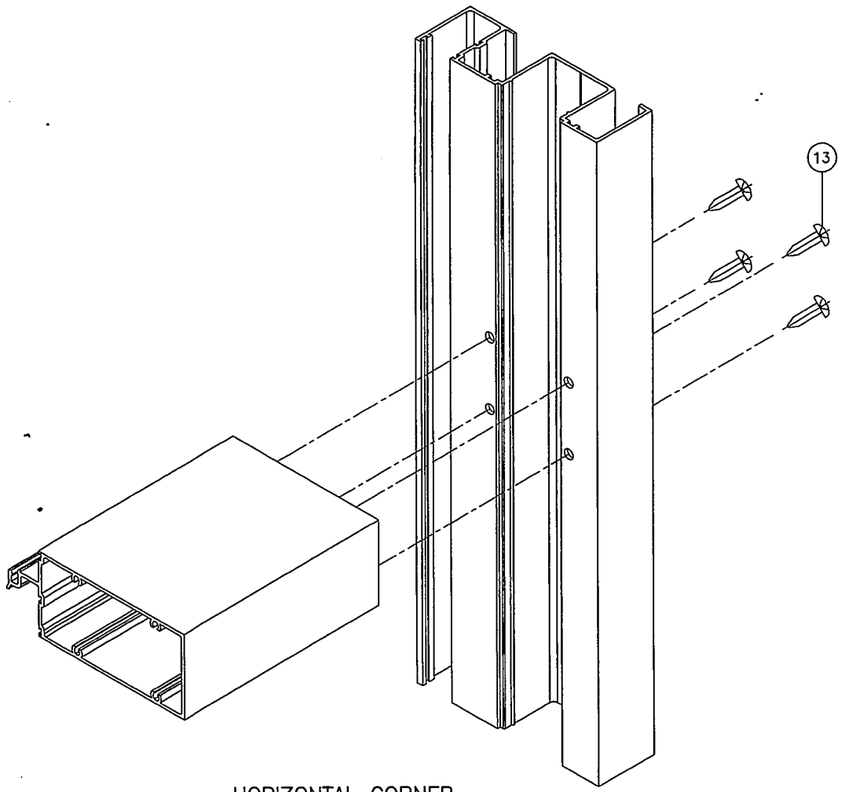
MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE



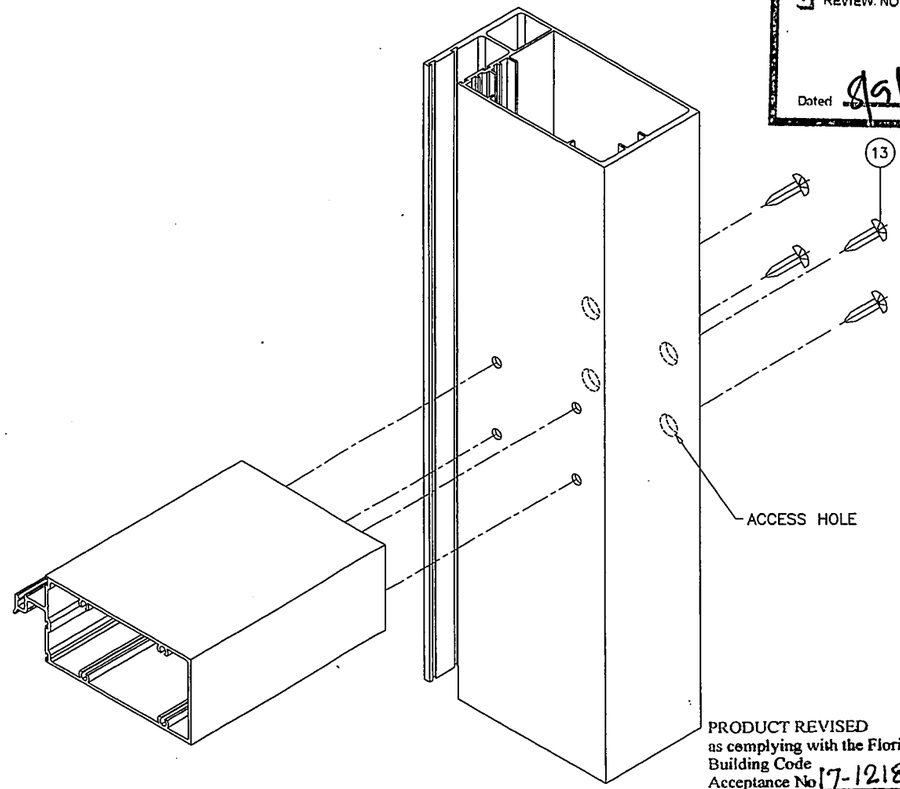

TOP & BOTTOM CORNERS




TOP & BOTTOM CORNERS




HORIZONTAL CORNER




HORIZONTAL CORNER

Stantec

Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131

REVIEW. NO EXCEPTIONS NOTED

Dated 9/9/14 By

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 17-1218.08
Expiration Date July 25, 2023
By
Miami Dade Product Control

JAVAD AHMAD
LICENSE
No. 70592
STATE OF FLORIDA
PROFESSIONAL ENGINEER

AL-FAROOQ CORP
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9360 SUNSET DRIVE, SUITE
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SERIES 7000 ALUM WINDOW WALL SYSTEM (L.M.I.)

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date: 04-24-13
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
W08-34
62

sheet 13.1 of 13

MIAMI REACH
REVIEWED FOR
CODE COMPLIANCE

MIAMI-DADE COUNTY

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES
BOARD AND CODE ADMINISTRATION DIVISION

# NOTICE OF ACCEPTANCE (NOA)

**E.S. Windows, LLC**
**10653 NE Quaybridge Ct.**
**Miami, FL 33138**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER -Product Control Section 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 Section (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. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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 9000 Aluminum Outswing French Door w/ wo Transom-L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **W08-66 Rev J**, titled "Series- 9000 Alum Outswing French Door (L.M.I.)", sheets 1 through 11 of 11, including sheet 3.1, dated 03/08/16 and last revised on 03/08/16, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, 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 Section.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**

**Limitations:**

1. See Design Pressure charts for Single or Double door w/wo transom, glass type, lock type, hinges type and head, sill and jambs anchors. Lower Design Pressure shall apply to the entire assembly.
2. The Single Door with Transom is limited to Maximum Design Pressure DP = +/-90 PSF.
3. Only Single Door w/ High Threshold option item **E-2B** (part # ES-9026) is rated for external Positive **+120 PSF** Water Resistant Rating, all other condition and thresholds are **not** rated for water Resistant Ratings.
4. Single Door w/wo transom utilizing Saddle Threshold option item E-2A (part #ES-9015) is limited to Maximum Design Pressure DP = +/90 PSF.

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

MIAMI-DADE COUNTY APPROVED 3/17/16

Scanned

Two South Biscayne Blvd., Suite 1070
Miami, Florida 33131

REVIEWED. NO EXCEPTIONS NOTED

Dated 4/9/18 BY

**NOA No. 15-0602.09**
**Expiration Date: December 24, 2018**
**Approval Date: March 24, 2016**
**Page 1**

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE

MIAMI-DADE COUNTY

DEPARTMENT OF REGULATORY AND ECONOMIC RESO
BOARD AND CODE ADMINISTRATION DIVISION

# NOTICE OF ACCEPTANCE (NOA)

This NOA **revises NOA # 13-0617.29** and consists of page 1, this page 2, and evidence pages E-1 & E-2, as well as approval document mentioned above.
The submitted documentation was reviewed by **Jorge Plasencia, P.E.**

Stantec

Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131

REVIEW. NO EXCEPTIONS NOTED

Dated 3/17/16 By

MIAMI-DADE COUNTY APPROVED 3/17/16

MIAMI BEACH
REVIEWED FOR
CODE COMPLIANCE

E.S. Windows, LLC

## NOTICE OF ACCEPTANC

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
   ***(Submitted under previous NOA's #12-0306.07 & 10-0301.03)***
2. Drawing No. **W08-66 Rev J**, titled "Series- 9000 Alum Outswing French Door (L.M.I.)", sheets 1 through 11 of 11, including sheet 3.1, dated 03/08/16 and last revised on 03/08/16, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

**B. TESTS**

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) Large Missile Impact Test per FBC, TAS 201-94
   4) Large Missile Impact Test per FBC, TAS 201-94
   5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   6) Forced Entry Test, per FBC 2411. 3.2.1, TAS 202-94

   along with marked–up drawings and installation diagram of an Alum. Outswing Entrance Door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5554**, dated 05/10/08, signed and sealed by Carlos S. Rionda, P.E.
   ***(Submitted under previous NOA's #12-0306.07 & 10-0301.03)***
2. Test reports on: 1) Uniform Static Air Pressure Test
   2) Large Missile Impact Test per FBC, TAS 201-94
   3) Cyclic Wind Pressure Loading per FBC, TAS 203-94

   along marked-up drawings of an Alum. Outswing Entrance Door, prepared by FTL, Inc., Test Report No. **FTL-5556**, dtd 04/27/08, signed and sealed by Carlos S. Rionda, P.E.
   ***(Submitted under previous NOA's #12-0306.07 & 10-0301.03)***
3. Additional test reports along with marked-up drawings of a single (X) aluminum outswing door per TAS 201, 202 (Full) and 203-94, issued by Fenestration Testing lab, Inc., Test Report No. **FTL-5992**, dated 09/09/09, reissued on 2/2/11 signed & sealed by Marlin D. Brinson, P. E.
   ***(Submitted under previous NOA's #12-0306.07 & 10-0301.03)***

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2014, prepared by Al Farooq Corporation, dated 05/29/15, 01/14/16 and last revised on 03/14/16, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies w/ ASTME-1300-09.

**D. QUALITY ASSURANCE**

1. Miami Dade Department of Regulatory and Economic Resources (RER).

Stantec
Two South Biscayne Blvd., Suite 1870
Miami, Florida 33131
REVIEW. NO EXCEPTIONS NOTED
Dated 8/9/16 By

**Jorge Plasencia, P.E.**
**Product Control Unit Supervisor**
**NOA No. 15-0602.09**
**Expiration Date: December 24, 2018**
**Approval Date: March 24, 2016**

MIAMI BEACH
REVIEWED FOR
CODE COMPLIANCE



## NOTICE OF ACCEPTANC

### E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **14-0916.11** issued to Kuraray America, Inc. for their "**Sentry Glas® (Clear and White) Glass Interlayers**" dated 06/25/15, expiring on 07/04/18.
2. Notice of Acceptance No. 14-0916.10 issued to Kuraray America, Inc. for their "**Butacite® PVB Glass Interlayer**" dated 04/25/15, expiring 12/11/16.

### F. STATEMENTS

1. Statement letter dated 03/16/16, compliance to FBC2014 (**5th edition**) and No financial interest, prepared by Al Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Lab Compliance statement, part of above referenced test report.

### G. OTHER

1. Notice of Acceptance No. **13-0617.29**, issued to E.S. Windows, LLC for their "**Series 9000 Aluminum Outswing French Door w/ wo Transom-L.M.I.**", approved on 09/05/13 and expiring on 12/24/18.
2. Distribution agreement ES Windows-Energia Solar, S.A. and ES Windows, LLC, dated 10/20/10, signed by Ms. Carla G. Torrente and Andres Chamorro respectively. ***(Submitted under previous NOA # 10-0301.03)***
3. Test proposals # **07-4070** & **09-0165**, approved by BCCO. ***(Submitted under previous NOA# 08-0813.04)***

Stantec

Two South Biscayne Blvd., Suite 1070
Miami, Florida 33131

REVIEW. NO EXCEPTIONS NOTED

Dated 3/24/16 By

**Jorge Plasencia, P.E.**
**Product Control Unit Supervisor**
**NOA No. 15-0602.09**
**Expiration Date: December 24, 2018**
**Approval Date: March 24, 2016**

MIAMI BEACH
REVIEWED FOR
CODE COMPLIANCE

GLASS D.L.O. DIMS.

D.L.O. HEIGHT (DOOR) = FRAME HEIGHT – 15.250" (STD. THRESHOLD)
D.L.O. WIDTH (DOOR) = FRAME WIDTH – 14.0625"

D.L.O. HEIGHT (TRANSOM) = FRAME HEIGHT – 5.125"
D.L.O. WIDTH (TRANSOM) = FRAME WIDTH – 7"

LEAF HEIGHT = FRAME HEIGHT – 2.938" (STD. THRESHOLD)
LEAF WIDTH = FRAME WIDTH – 5.188"

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

## SERIES 9000
## ALUMINUM OUTSWING ENTRANCE DOOR

SEE CHARTS ON THIS SHEET FOR DESIGN LOAD CAPACITY OF SINGLE DOORS WITH OR WITHOUT TRANSOMS.

SEE CHARTS ON SHEET 2 FOR DESIGN LOAD CAPACITY OF DOUBLE DOORS WITH OR WITHOUT TRANSOMS.

DOORS CAN ALSO BE USED WITH ES SERIES 8000 OR SERIES 9500 STOREFRONT SYSTEMS UNDER SEPARATE APPROVAL. MULLION ATTACHMENT, END LOAD AND CAPACITY TO BE REVIEWED BY BUILDING OFFICIAL.

DOUBLE DOORS WITH STANDARD, SADDLE AND HIGH THRESHOLD AND SINGLE DOORS WITH STANDARD AND SADDLE THRESHOLD ARE NOT APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED. SINGLE DOORS USING ES-9026 (HIGH THRESHOLD OPTION) ARE APPROVED FOR WATER INFILTRATION RESISTANCE. SEE SHEET 4 FOR DETAILS.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2014 (5TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

1BY OR 2BY WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

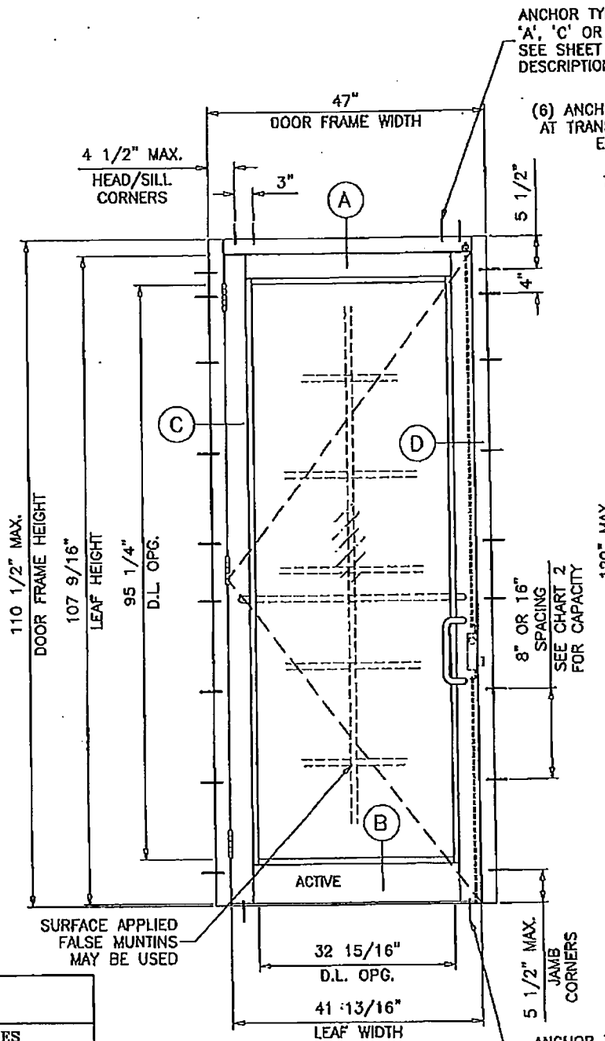
ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

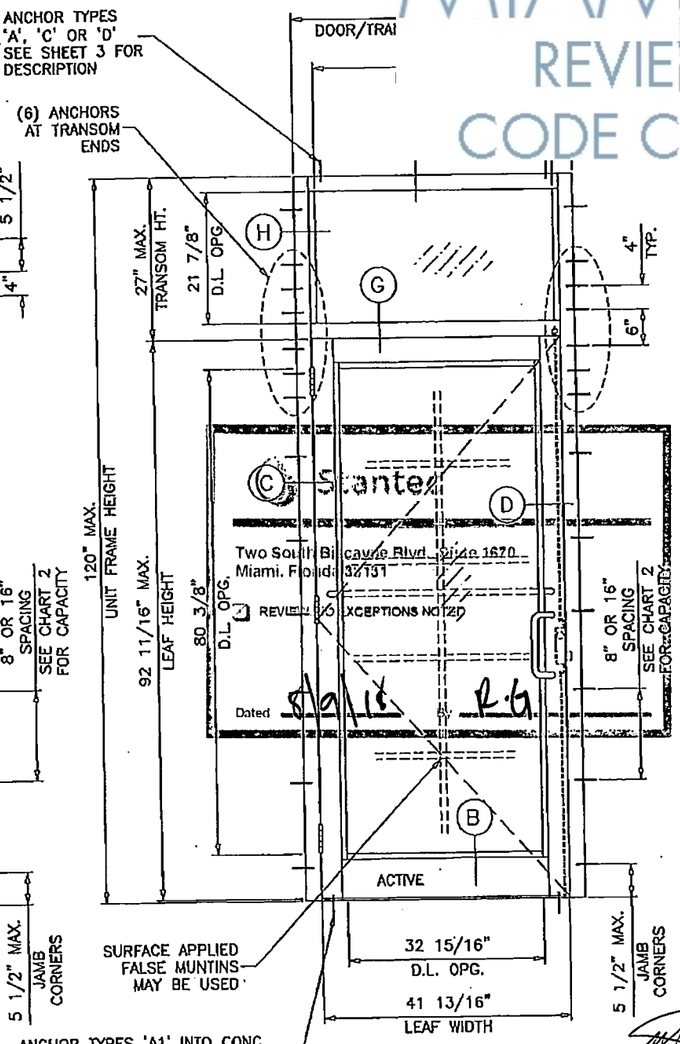
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2014 FLORIDA BUILDING CODE.




TYPICAL ELEVATION
(X)




TYPICAL ELEVATION
(O/X)

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-09 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

TABLE #1 — DOORS LOAD CAPACITY – PSF
SINGLE DOORS WITHOUT TRANSOM (X) OR WITH TRANSOM (O/X)

| DOOR DIMS. | | GLASS | | LOCKS | | | HINGES | |
|---|---|---|---|---|---|---|---|---|
| | | TYPE 'A' | TYPE 'B'/'C' | OPTION #1 | OPTION #2 | OPTION #3 | OPTION #1 | OPTION #2 |
| FRAME WIDTH | FRAME HEIGHT | EXT. (+) INT. (–) | EXT. (+) INT. (–) | EXT. (+) INT. (–) | EXT. (+) INT. (–) | EXT. (+) INT. (–) | EXT. (+) INT. (–) | EXT. (+) INT. (–) |
| 47" | 98-1/2" | 80.0 | 120.0 | 80.0 | 90.0 | 120.0 | 80.0 | 120.0 |
| 47" | 110-1/2" | 80.0 | 120.0 | 80.0 | 90.0 | 120.0 | 80.0 | 120.0 |

SINGLE DOORS WITH SADDLE THRESHOLD LIMITED TO +90.0, -90.0 PSF
SEE SHEET 8 FOR GLASS TYPES DESCRIPTION
SEE SHEET 9 FOR LOCKS AND HINGES DESCRIPTION

TABLE #2 — JAMB ANCHORS LOAD CAPACITY – PSF
SINGLE DOORS WITHOUT TRANSOM (X) OR WITH TRANSOM (O/X)

| DOOR DIMS. | | 1/4" SHIM SPACE | | | | | | 3/8" SHIM SPACE | | | | 1/2" SHIM SPACE | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SPACING AT 16" O.C. | | | SPACING AT 8" O.C. | | | AT 16" O.C. | | AT 8" O.C. | | AT 16" O.C. | | AT 8" O.C. | |
| | | ANCHOR 'A' | ANCHOR 'C' | ANCHOR 'D' | ANCHOR 'A' | ANCHOR 'C' | ANCHOR 'D' | ANCHOR 'A' | ANCHOR 'C' | ANCHOR 'A' | ANCHOR 'C' | ANCHOR 'A' | ANCHOR 'C' | ANCHOR 'A' | ANCHOR 'C' |
| FRAME WIDTH | FRAME HEIGHT | EXT.(+) INT.(–) | EXT.(+) INT.(–) | EXT.(+) INT.(–) | EXT.(+) INT.(–) | EXT.(+) INT.(–) | EXT.(+) INT.(–) | EXT.(+) INT.(–) | EXT.(+) INT.(–) | EXT.(+) INT.(–) | EXT.(+) INT.(–) | EXT.(+) INT.(–) | EXT.(+) INT.(–) | EXT.(+) INT.(–) | EXT.(+) INT.(–) |
| 40" | 110-1/2" | 112.5 | 120.0 | 112.0 | 120.0 | 120.0 | 120.0 | 90.5 | 117.4 | 120.0 | 120.0 | 70.2 | 92.7 | 110.0 | 120.0 |
| 47" | 110-1/2" | 95.7 | 111.0 | 95.0 | 120.0 | 120.0 | 120.0 | 77.0 | 100.0 | 120.0 | 120.0 | 59.7 | 78.9 | 93.7 | 120.0 |

SEE SHEET 3 FOR ANCHOR DESCRIPTION

SINGLE DOORS WITH OR WITHOUT TRANSOMS USE CHARTS AS FOLLOWS FOR THE CORRESPONDING DOOR SIZE

1- FOR GLASS TYPE, LOCK AND HINGE OPTIONS OBTAIN LOAD CAPACITIES FROM TABLE 1.
2- SELECT THRESHOLD TYPE TO BE USED FOR WATER RATING.
3- FOR JAMB ANCHORS TYPE/SHIMSPACE OBTAIN LOAD CAPACITIES FROM TABLE 2.
4- TRANSOMS FOR SINGLE DOORS ARE LIMITED TO ±90.0 PSF *

THE LOWEST VALUES FROM STEPS 1, 2, 3 AND 4 WILL GOVERN.

**PRODUCT REVISED**
**as complying with the Florida Building Code**
**NOA-No. 15-0602.09**
**Expiration Date 12/24/2018**
**By**
**Miami-Dade Product Control**

JAVAD AHMAD LICENSE No. 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER 3/14/16

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL (305) 264-8100 FAX (305)

SERIES-9000 ALUM OUTSWING FRENCH DOOR (L.M.I.)

ES-WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5158 FAX. (305) 638-5151

| revisions: | | | |
|---|---|---|---|
| no | date | by | description |
| G | 02.24.12 | | UPDATED TO 2ND FBC |
| H | 05.05.15 | | UPDATED TO 2014 FBC |
| I | 01.13.16 | | REV. PER FBC COMMENTS |
| J | 03.08.16 | | REV. PER FBC COMMENTS |

date: 07-14-08
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no. W08-66
sheet 1 of 11

Two South Biscayne Blvd. Suite 1670
Miami, Florida 33131
REVIEWED EXCEPTIONS NOTED
Dated 4/8/16 R.G.

NOTED and APPROVED
and ENGINEERING COMPLIANCE
APR 19 2018
ENGINEERING
DEPARTMENTAL LLC

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE

DOUBLE DOORS WITH OR WITHOUT TRANSOMS USE CHARTS AS FOLLOWS FOR THE CORRESPONDING DOOR SIZE

1- FOR GLASS TYPE, LOCK AND HINGE OPTIONS OBTAIN LOAD CAPACITIES FROM TABLE 3.
2- SELECT THRESHOLD TYPE TO BE USED.
3- FOR JAMB ANCHORS, TYPE/SHIMSPACE OBTAIN LOAD CAPACITIES FROM TABLE 4.
4- FOR HEAD ANCHORS, TYPE/SHIMSPACE OBTAIN LOAD CAPACITIES FROM TABLE 5.

THE LOWEST VALUES FROM STEPS 1, 3 AND 4 WILL GOVERN.

| TABLE #3 | DOORS LOAD CAPACITY – PSF DOUBLE DOOR WITHOUT TRANSOM (XX) OR WITH TRANSOM (O/XX) | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| DOOR DIMS. | | GLASS | | LOCKS | | | HINGES | |
| | | TYPE 'A' | TYPE 'B'/'C' | OPTION #1 | OPTION #2 | OPTION #3 | OPTION #1 | OPTION #2 |
| FRAME WIDTH | FRAME HEIGHT | EXT. (+) INT. (–) | EXT. (+) INT. (–) | EXT. (+) INT. (–) | EXT. (+) INT. (–) | EXT. (+) INT. (–) | EXT. (+) INT. (–) | EXT. (+) INT. (–) |
| 89" | 98–1/2" | 80.0 | 90.0 | 80.0 | 90.0 | 90.0 | 80.0 | 90.0 |
| 89" | 110–1/2" | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 90.0 |

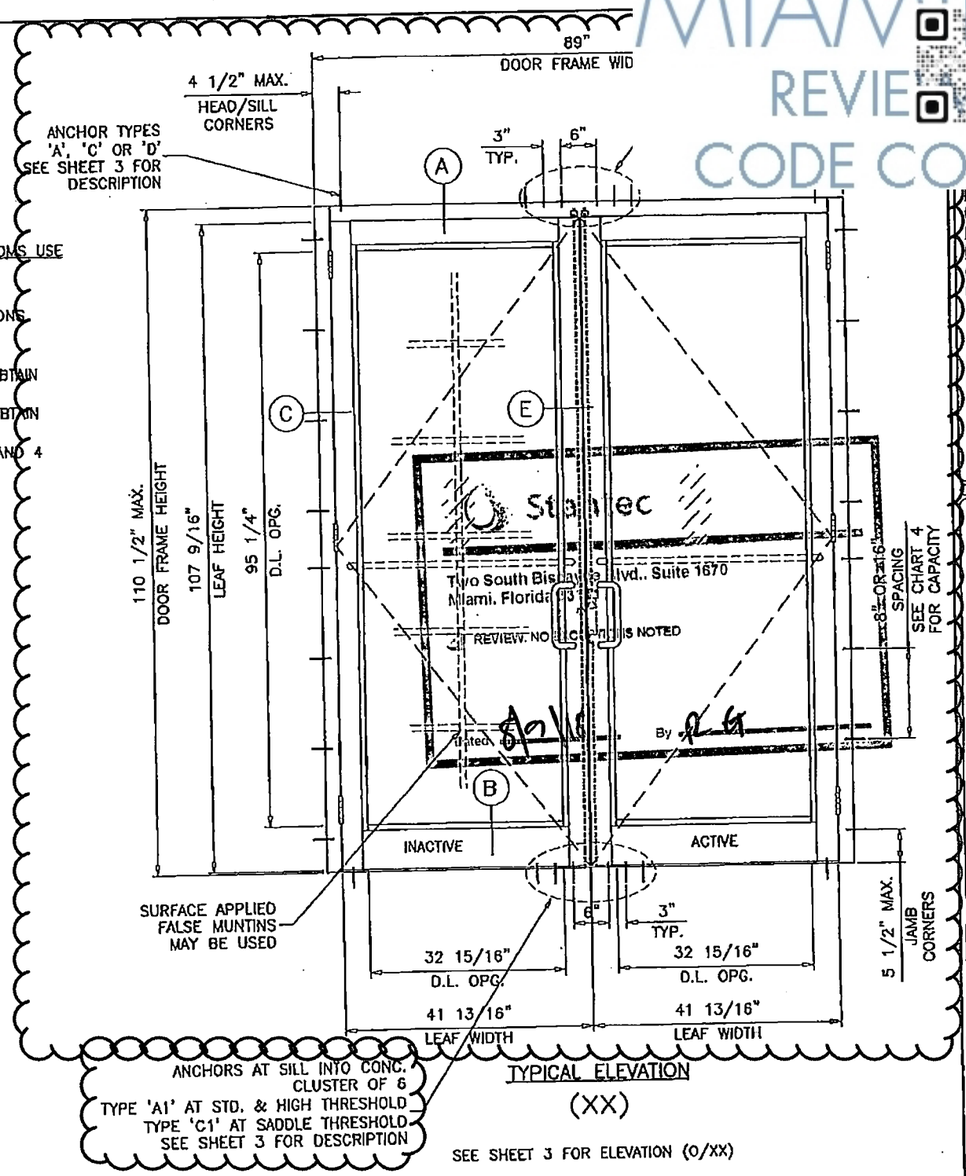
SEE SHEET 8 FOR GLASS TYPES DESCRIPTION
SEE SHEET 9 FOR LOCKS AND HINGES DESCRIPTION

| TABLE #4 | JAMB ANCHORS LOAD CAPACITY – PSF DOUBLE DOORS WITHOUT TRANSOM (X) OR WITH TRANSOM (O/X) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DOOR DIMS. | | 1/4" SHIM SPACE | | | | | | 3/8" SHIM SPACE | | | | 1/2" SHIM SPACE | | | | |
| | | SPACING AT 16" O.C. | | | SPACING AT 8" O.C. | | | AT 16" O.C. | | AT 8" O.C. | | AT 16" O.C. | | AT 8" O.C. | | |
| | | ANCHOR 'A' | ANCHOR 'C' | ANCHOR 'D' | ANCHOR 'A' | ANCHOR 'C' | ANCHOR 'D' | ANCHOR 'A' | ANCHOR 'C' | ANCHOR 'A' | ANCHOR 'C' | ANCHOR 'A' | ANCHOR 'C' | ANCHOR 'A' | ANCHOR 'C' | |
| FRAME WIDTH | FRAME HEIGHT | EXT.(+) INT.(–) | EXT.(+) INT.(–) | EXT.(+) INT.(–) | EXT.(+) INT.(–) | EXT.(+) INT.(–) | EXT.(+) INT.(–) | EXT.(+) INT.(–) | EXT.(+) INT.(–) | EXT.(+) INT.(–) | EXT.(+) INT.(–) | EXT.(+) INT.(–) | EXT.(+) INT.(–) | EXT.(+) INT.(–) | EXT.(+) INT.(–) | |
| 75" | 110–1/2" | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 74.9 | 90.0 | 90.0 | 90.0 | |
| 89" | 110–1/2" | 90.0 | 88.7 | 90.0 | 90.0 | 90.0 | 90.0 | 81.3 | 88.7 | 90.0 | 90.0 | 63.1 | 83.3 | 90.0 | 90.0 | |

SEE SHEET 3 FOR ANCHOR DESCRIPTION

| TABLE #5 | HEAD ANCHORS LOAD CAPACITY – PSF DOUBLE DOOR WITHOUT TRANSOM (XX) OR WITH TRANSOM (O/XX) | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| DOOR DIMS. | | 1/4" SHIM SPACE | | | 3/8" SHIM SPACE | | 1/2" SHIM SPACE | |
| | | ANCHOR TYPE 'A' | ANCHOR TYPE 'C' | ANCHOR TYPE 'D' | ANCHOR TYPE 'A' | ANCHOR TYPE 'C' | ANCHOR TYPE 'A' | ANCHOR TYPE 'C' |
| FRAME WIDTH | FRAME HEIGHT | EXT. (+) INT. (–) | EXT. (+) INT. (–) | EXT. (+) INT. (–) | EXT. (+) INT. (–) | EXT. (+) INT. (–) | EXT. (+) INT. (–) | EXT. (+) INT. (–) |
| 75" | 98–1/2" | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 73.0 | 90.0 |
| 89" | | 90.0 | 90.0 | 90.0 | 79.2 | 90.0 | 61.5 | 81.2 |
| 75" | 110–1/2" | 90.0 | 90.0 | 90.0 | 83.8 | 90.0 | 65.1 | 85.9 |
| 89" | | 90.0 | 90.0 | 90.0 | 70.6 | 90.0 | 54.8 | 72.3 |

SEE SHEET 3 FOR ANCHOR DESCRIPTION




TYPICAL ELEVATION
(XX)

SEE SHEET 3 FOR ELEVATION (O/XX)

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300–09 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05–DEC–219

**PRODUCT REVISED**
**as complying with the Florida Building Code**
**NOA-No. 15-0602.09**
**Expiration Date 12/24/2018**
**By**
**Miami-Dade Product Control**

JAVAD AHMAD LICENSE No. 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305)

SERIES-9000 ALUM OUTSWING FRENCH DOOR (L.M.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

| revisions: | | | |
|---|---|---|---|
| no | date | by | description |
| G | 02.24.12 | | NO CHANGE THIS SHEET |
| H | 05.05.15 | | UPDATED TO 2014 FBC |
| I | 01.13.16 | | REV. PER RER COMMENTS |
| J | 03.08.16 | | NO CHANGE THIS SHEET |

date: 07-14-08
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W08–66

sheet 2 of 11

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE

## TYPICAL ANCHORS: SEE ELEV. FOR SPACING

**AT HEAD OR JAMBS**

TYPE 'A'– 1/4" X 5" ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)

THRU 1BY OR 2BY WOOD BUCKS INTO CONCRETE OR MASONRY
WITH 1–1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
WITH 1–1/4" MIN. EMBED INTO FILLED BLOCKS (JAMBS)

DIRECTLY INTO CONCRETE OR MASONRY
WITH 2" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
WITH 2" MIN. EMBED INTO FILLED BLOCKS (JAMBS)

ANCHOR EDGE DISTANCES
INTO CONCRETE AND MASONRY = 2–1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.

**AT HEAD OR JAMBS**

TYPE 'C'– 5/16" X 5" ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)

THRU 1BY OR 2BY WOOD BUCKS INTO CONCRETE OR MASONRY
WITH 1–1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
WITH 1–1/4" MIN. EMBED INTO FILLED BLOCKS (JAMBS)

DIRECTLY INTO CONCRETE OR MASONRY
WITH 2" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
WITH 2" MIN. EMBED INTO FILLED BLOCKS (JAMBS)

ANCHOR EDGE DISTANCES
INTO CONCRETE AND MASONRY = 3–1/8" MIN.
INTO WOOD STRUCTURE = 1–1/4" MIN.

**AT HEAD OR JAMBS**

TYPE 'D'– 1/4" TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)

INTO METAL STRUCTURES
STEEL : 1/8" THK. MIN. (Fy = 36 KSI MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)
INTO MIAMI–DADE COUNTY APPROVED MULLIONS
ALUMINUM : 1/8" THK. MIN. (6063–T5 MIN.) (NO SHIM SPACE)

ANCHOR EDGE DISTANCES
INTO METAL STRUCTURE = 1/2" MIN.

**AT SILL**

TYPE 'A1'– 1/4" X 1–3/4" ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)

DIRECTLY INTO CONCRETE (FOR STD. AND HIGH THRESHOLD)
WITH 1–1/2" MIN. EMBED INTO CONCRETE

ANCHOR EDGE DISTANCES
INTO CONCRETE = 2–1/2" MIN.

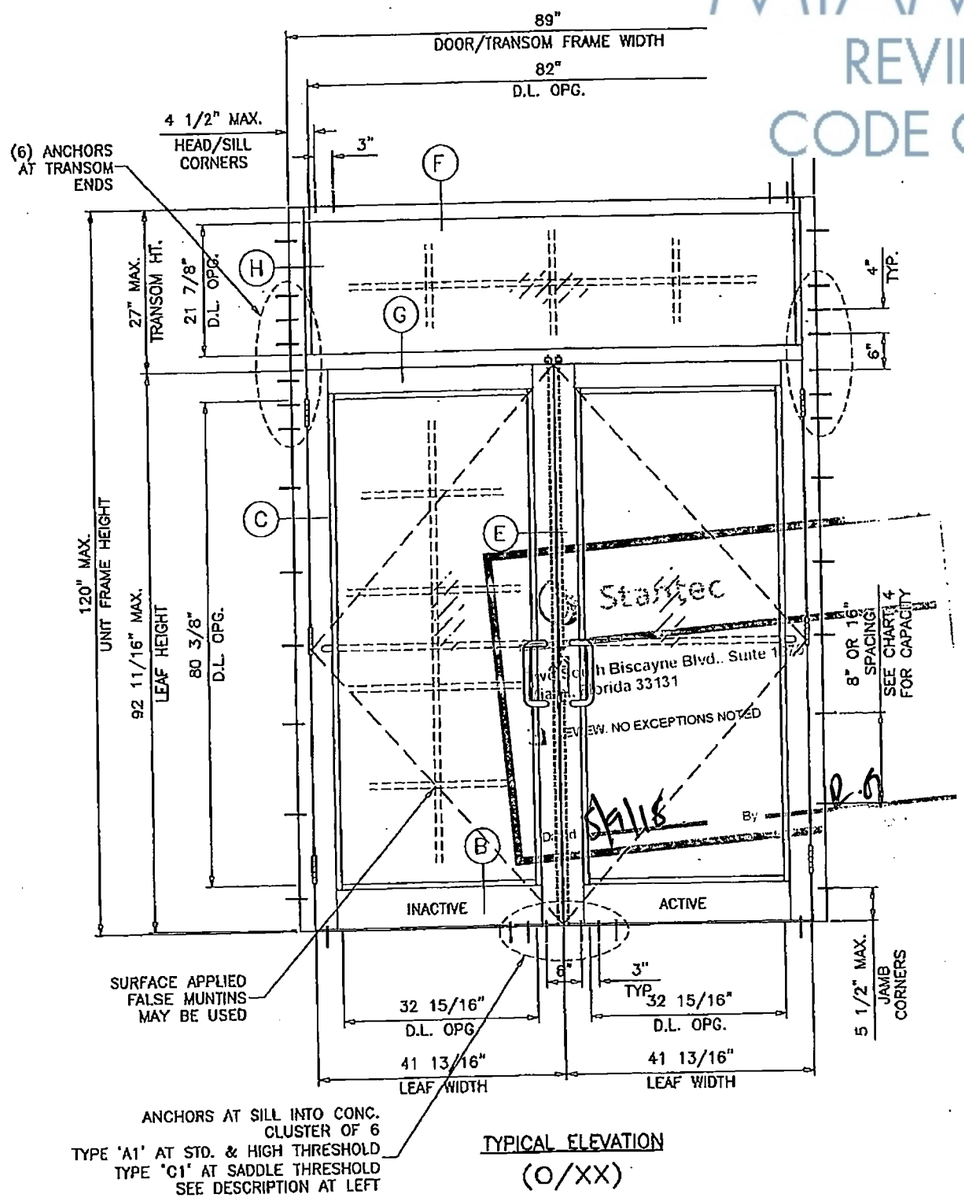
**AT SILL**

TYPE 'C1'– 5/16" X 2" ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)

DIRECTLY INTO CONCRETE (FOR SADDLE THRESHOLD)
WITH 1–1/2" MIN. EMBED INTO CONCRETE

ANCHOR EDGE DISTANCES
INTO CONCRETE = 3–1/8" MIN.

WOOD AT HEAD OR JAMBS SG = 0.55 MIN.
CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
C–90 GROUT FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.




TYPICAL ELEVATION
(O/XX)

SEE CHARTS ON SHEET 2 FOR DOOR AND TRANSOM LOAD CAPACITY

1X OR 2X WOOD BUCKS AND METAL STRUCTURES NOT BY E.S. WDW. MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

**PRODUCT REVISED**
as complying with the Florida Building Code
NOA–No. 15-0602.09
Expiration Date 12/24/2018
By
Miami–Dade Product Control

JAVAD AHMAD LICENSE No. 70692 STATE OF FLORIDA PROFESSIONAL ENGINEER 9/14/18

AL-FAROOQ CORPOR
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9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL (305) 264-3100 FAX. (30
CO

SERIES–9000 ALUM OUTSWING FRENCH DOOR (L.M.I.)

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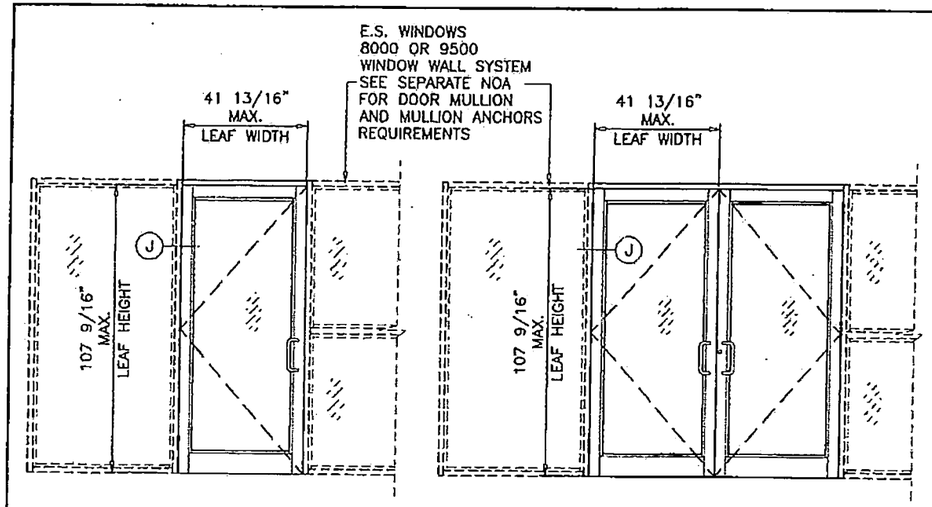
| revisions: | | | |
|---|---|---|---|
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| G | 02.24.12 | | NO CHANGE THIS SHEET |
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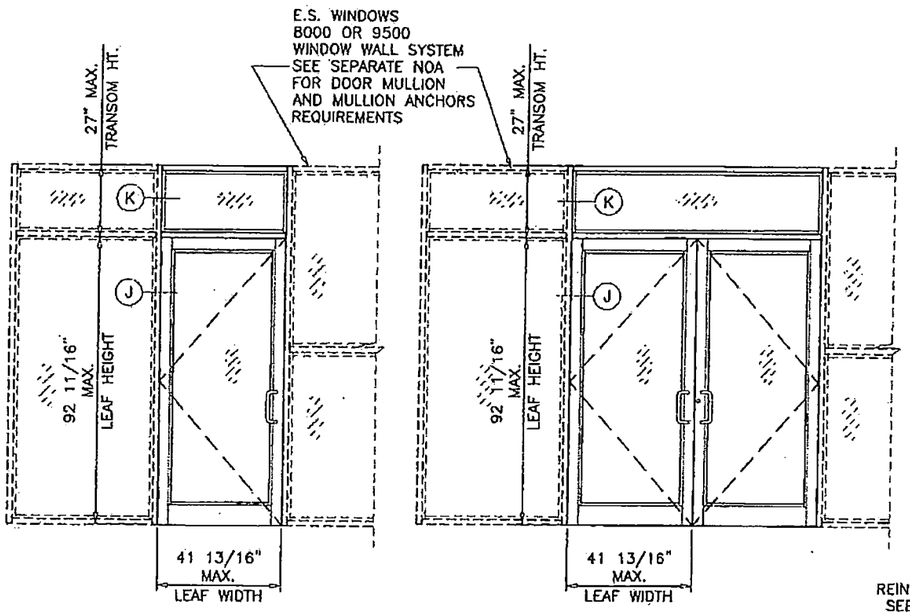
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chk. by:

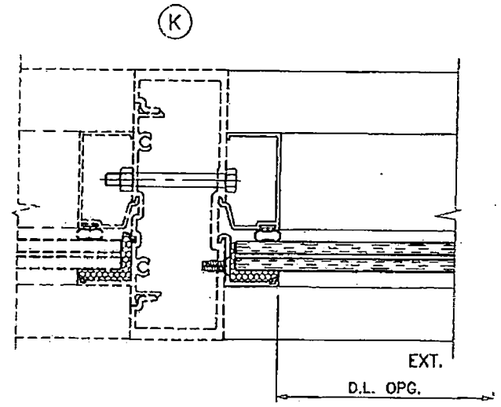
drawing no. W08–66

sheet 3 of 11

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE

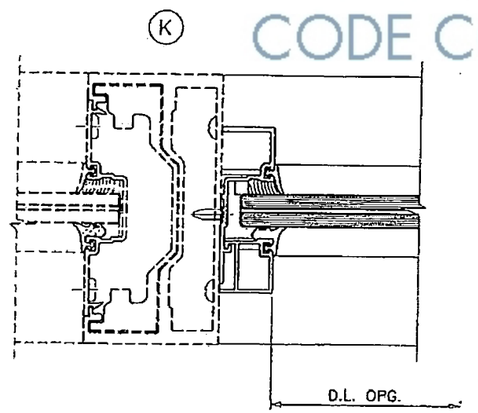


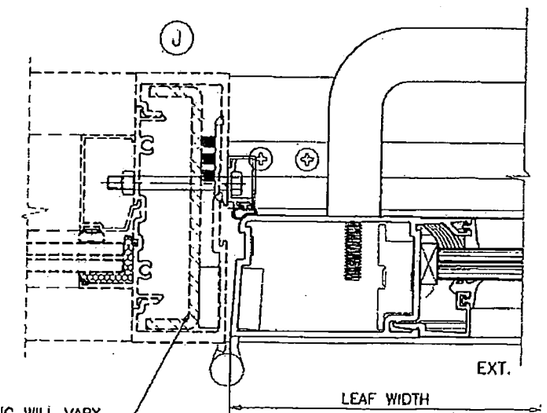

MIAMI–DADE COUNTY APPROVED
SERIES 8000 WINDOW WALL SYSTEM BY 'E.S. WINDOWS' UNDER SEPARATE APPROVAL.

LOWER VALUES FROM DOOR CAPACITY CHARTS OR STOREFRONT NOA WILL APPLY TO ENTIRE SYSTEM.

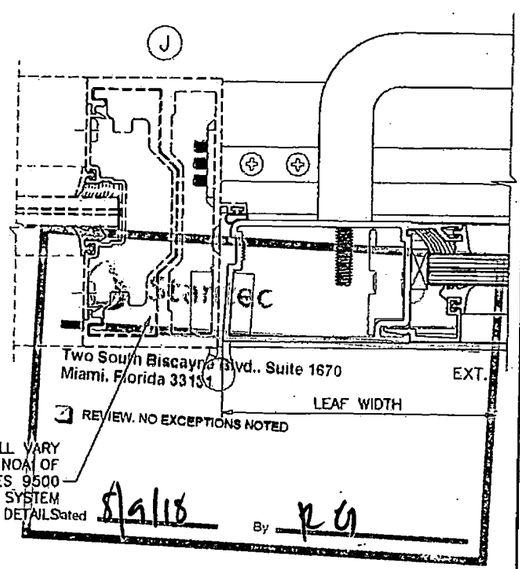



MIAMI–DADE COUNTY APPROVED
SERIES 9500 WINDOW WALL SYSTEM BY 'E.S. WINDOWS' UNDER SEPARATE APPROVAL.

LOWER VALUES FROM DOOR CAPACITY CHARTS OR STOREFRONT NOA WILL APPLY TO ENTIRE SYSTEM.




REINFORCING WILL VARY
SEE CURRENT NOA OF
SERIES 8000
WINDOW WALL SYSTEM
FOR DETAILS




REINFORCING WILL VARY
SEE CURRENT NOA OF
SERIES 9500
WINDOW WALL SYSTEM
FOR DETAILS

Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131

REVIEW. NO EXCEPTIONS NOTED

Dated 3/9/18 By RG

**PRODUCT REVISED**
**as complying with the Florida Building Code**
**NOA-No. 15-0602.09**
**Expiration Date 12/24/2018**
**By**
**Miami-Dade Product Control**

JAVAD AHMAD
LICENSE
No. 70592
STATE OF FLORIDA
PROFESSIONAL ENGINEER
3-14-18

AL-FAROOQ CORPORA
ENGINEERS & PRODUCT DEVELOPM
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TEL (305) 264-8100
FAX. (305) 2
C.A.N
COMP-

SERIES-9000 ALUM OUTSWING FRENCH DOOR (L.M.I.)

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TEL. (305) 638-5158
FAX. (305) 638-5451

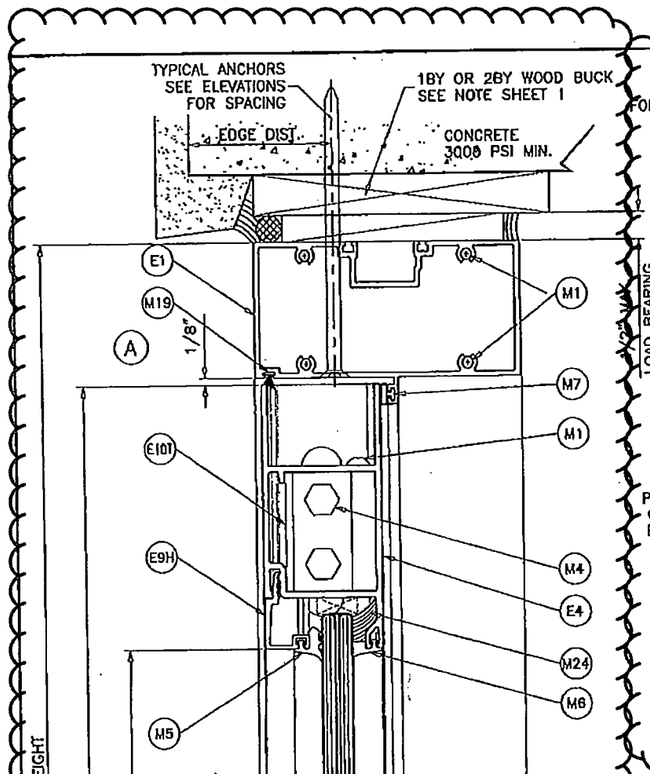
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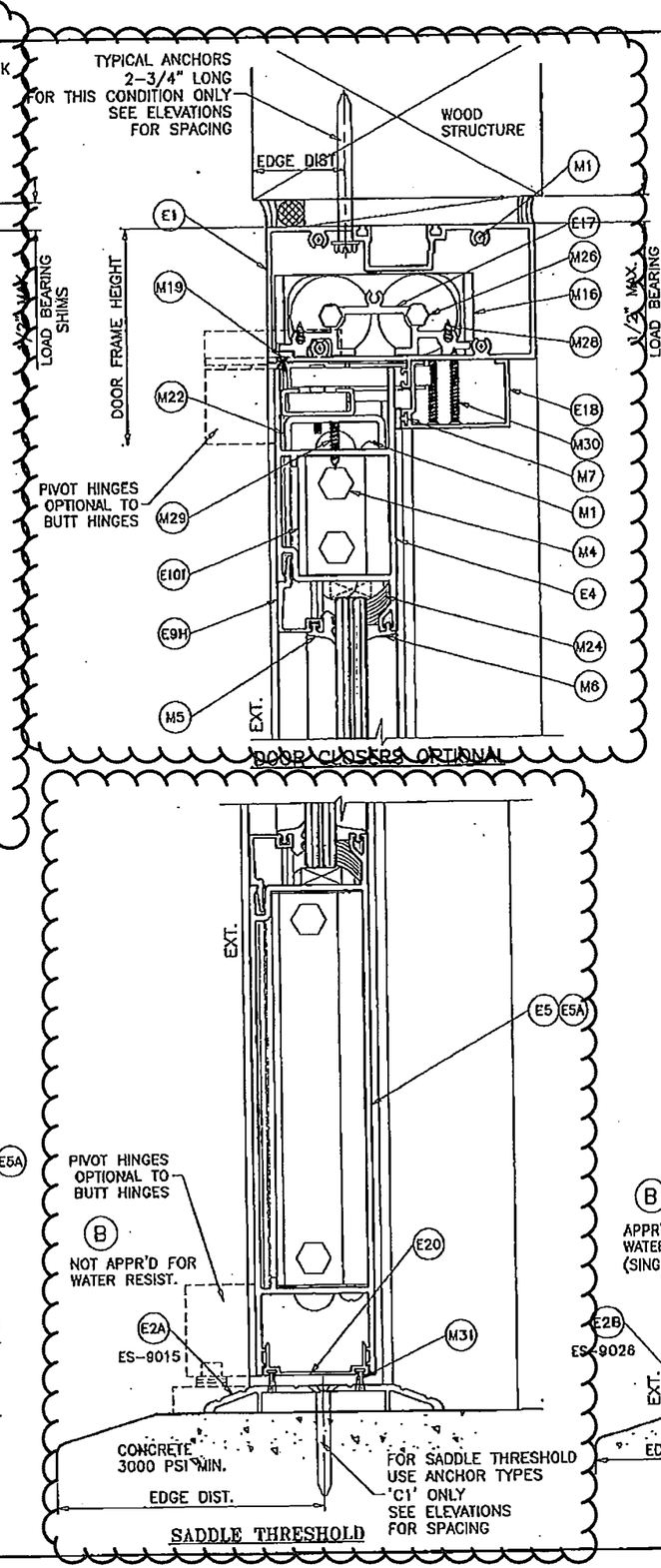
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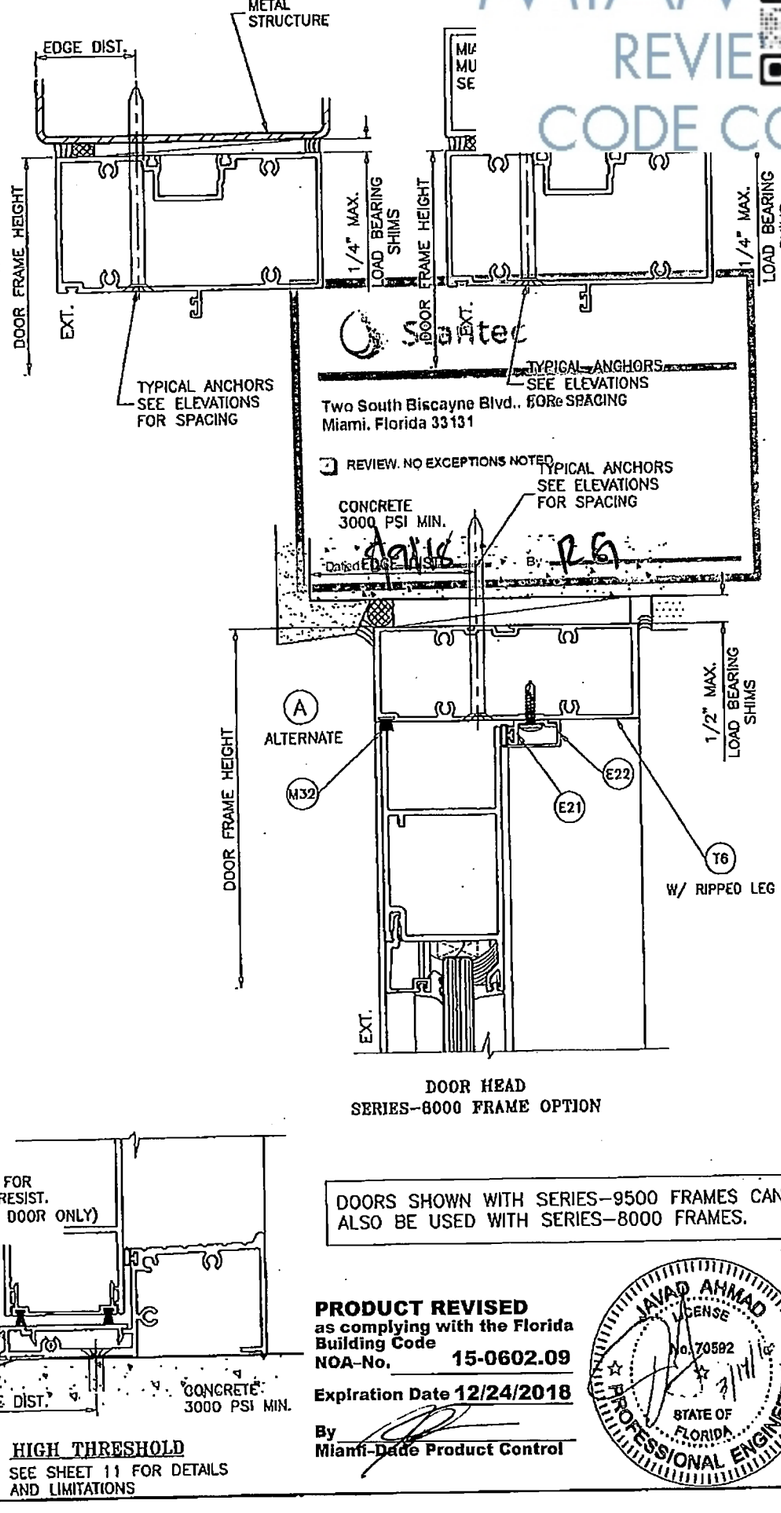
drawing no.
W08-66

sheet 3.1 of 11

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE




DOOR HEAD
SERIES-8000 FRAME OPTION

DOORS SHOWN WITH SERIES-9500 FRAMES CAN ALSO BE USED WITH SERIES-8000 FRAMES.

**PRODUCT REVISED**
as complying with the Florida Building Code
NOA-No. 15-0602.09
Expiration Date 12/24/2018
By
Miami-Dade Product Control

JAVAID AHMAD LICENSE No. 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

AL-FAROOQ CORPOR
ENGINEERS & PRODUCT DEVELO
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (30
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FLA. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

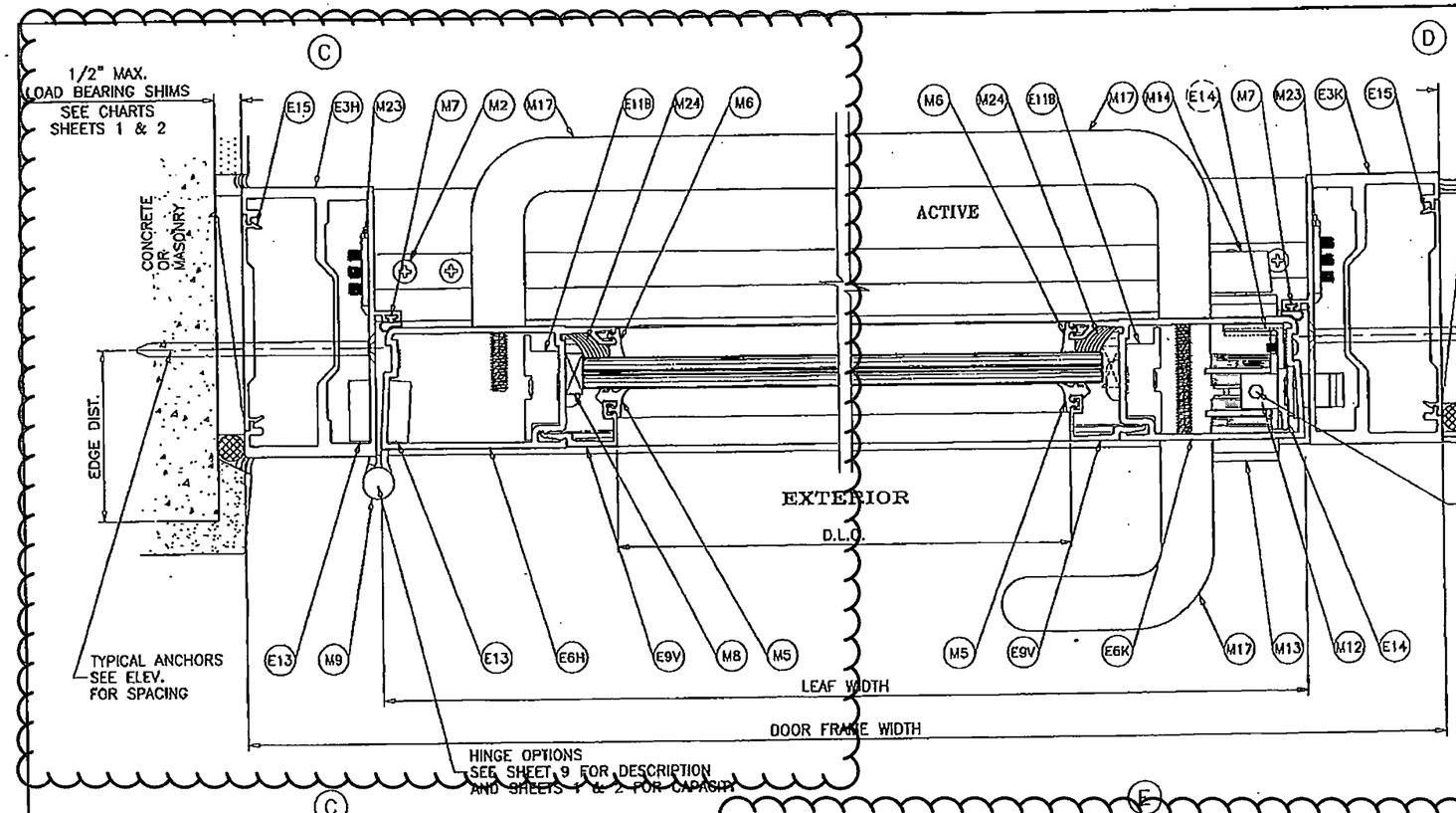
SERIES-9000 ALUM OUTSWING FRENCH DOOR (L.M.I.)

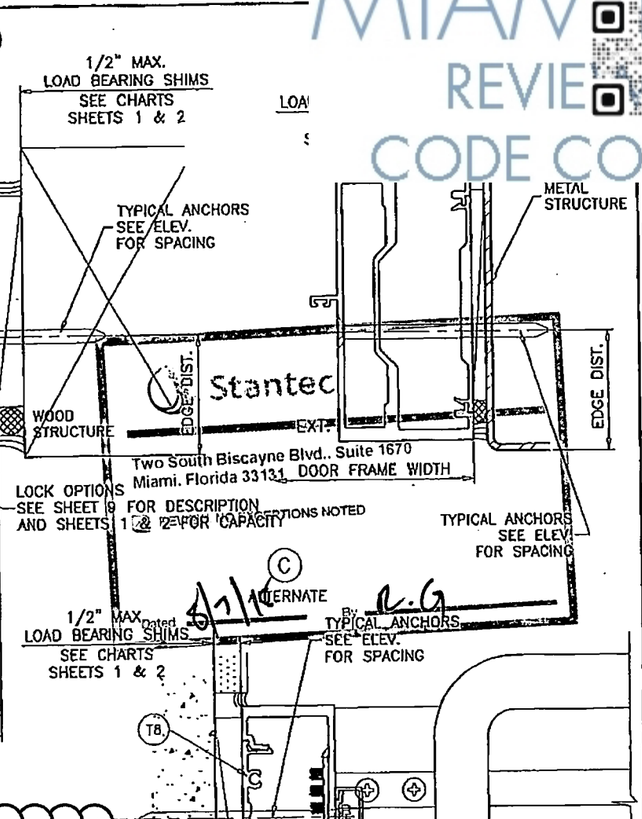
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| J | 03.08.16 | | REV. PER RER COMMENTS |

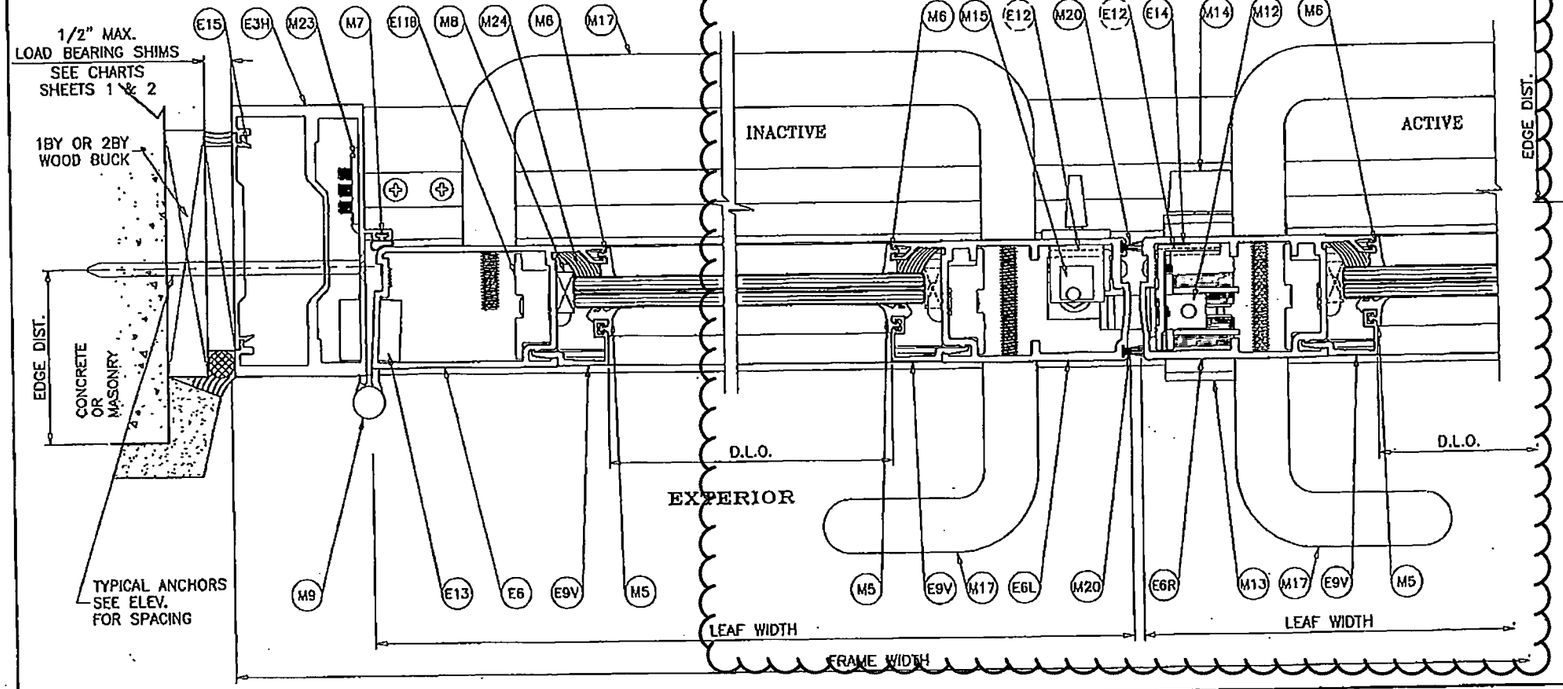
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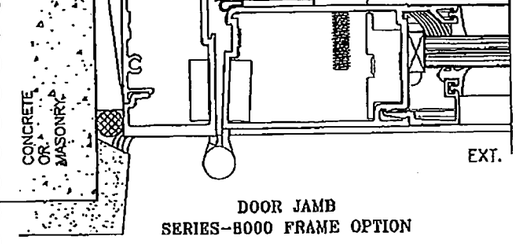
drawing no. W08-66

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE




DOOR JAMB
SERIES-8000 FRAME OPTION

DOORS SHOWN WITH SERIES-9500 FRAMES CAN ALSO BE USED WITH SERIES-8000 FRAMES.

**PRODUCT REVISED**
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JAVAD AHMAD
LICENSE
No. 70592
STATE OF FLORIDA
PROFESSIONAL ENGINEER

AL-FAROOQ CORPOR
ENGINEERS & PRODUCT DEVELO
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305)

SERIES-9000 ALUM OUTSWING FRENCH DOOR (L.M.I.)

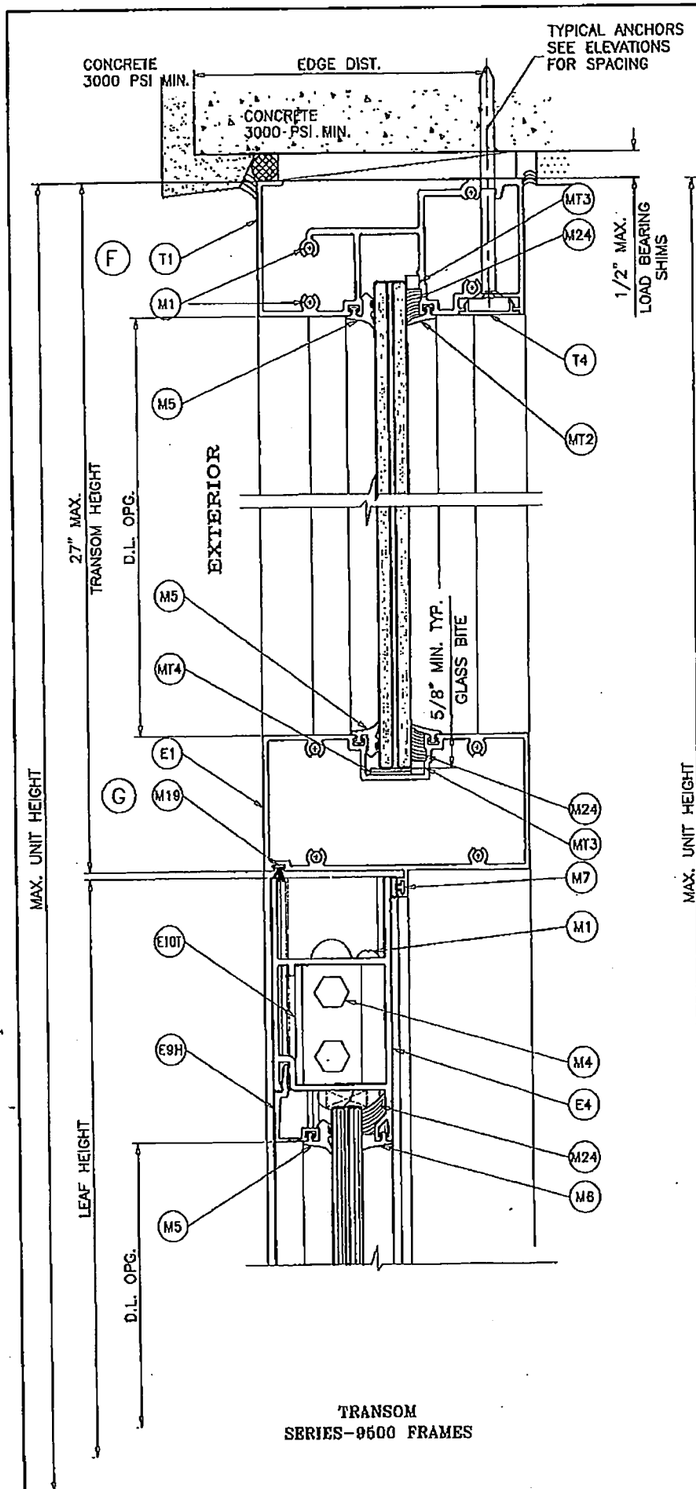
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

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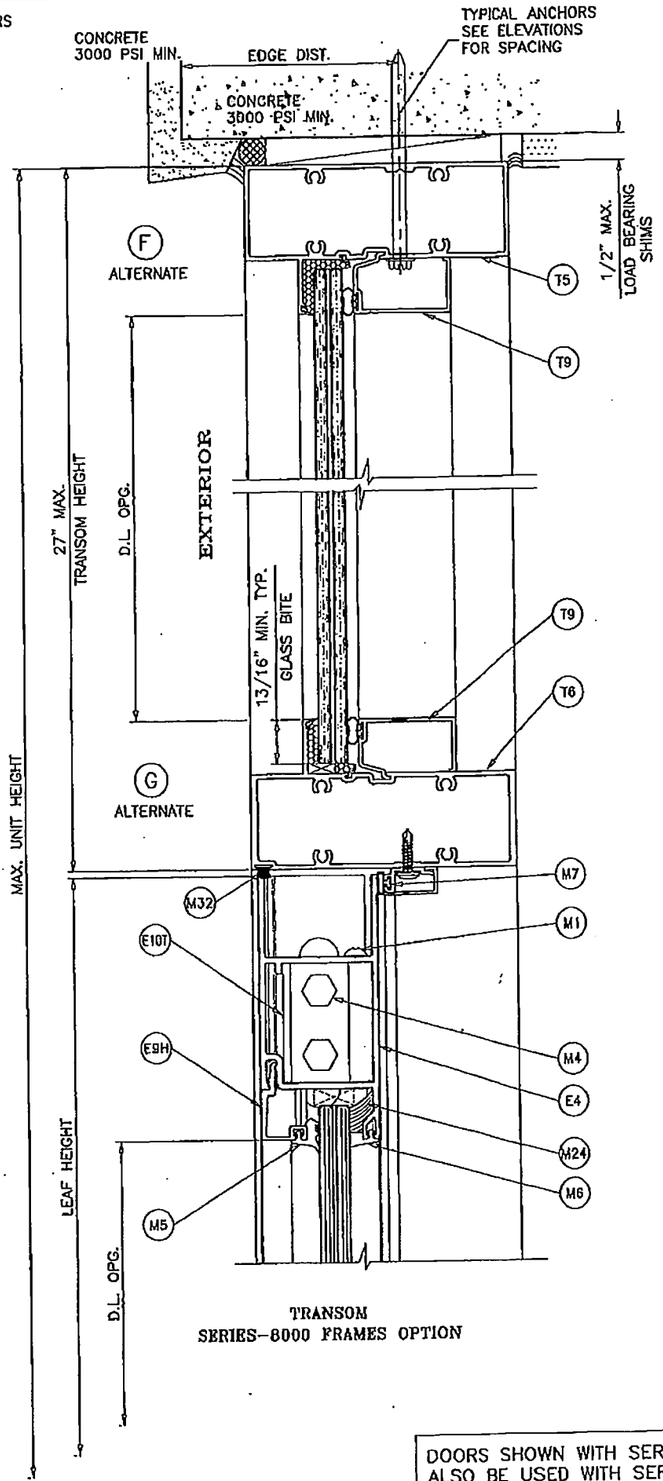
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chk. by:

drawing no. W08-66
sheet 5 of 11

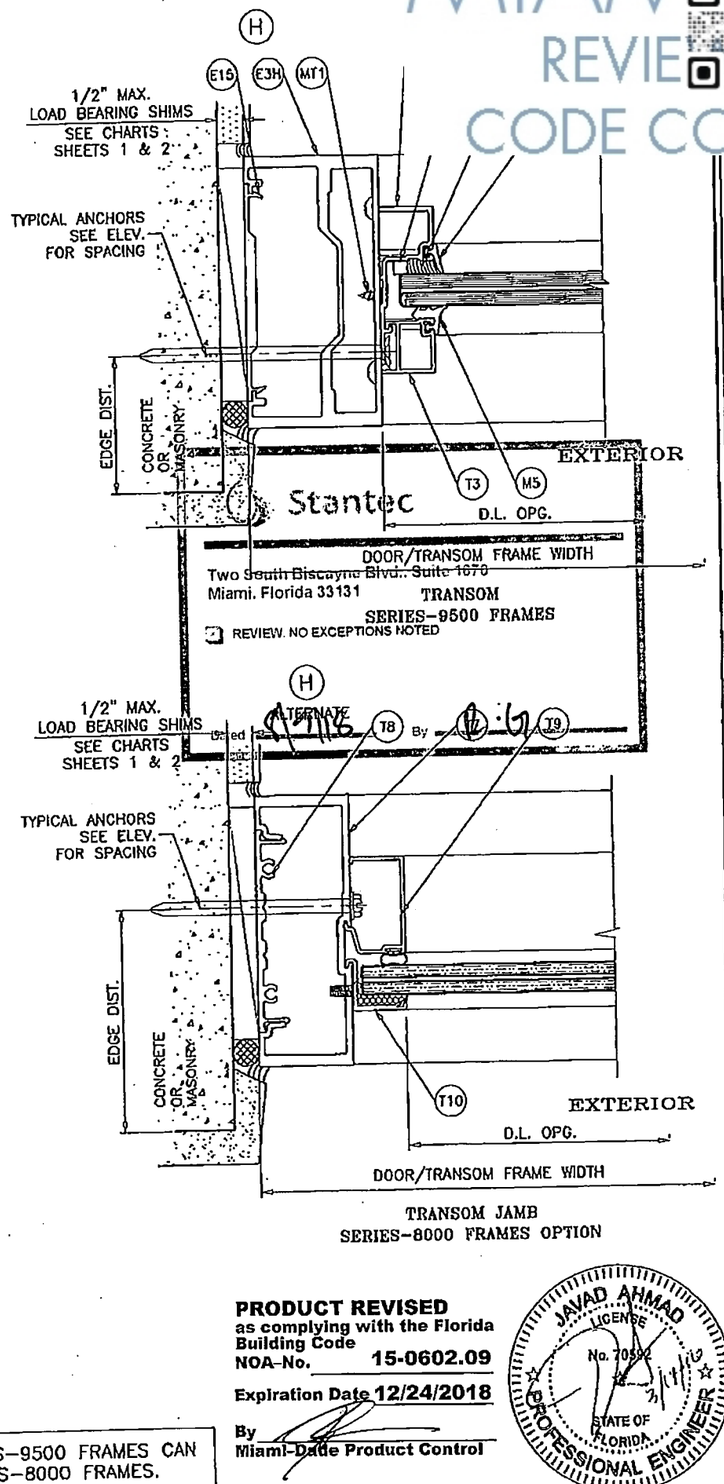
MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE




TRANSOM
SERIES-9500 FRAMES




TRANSOM
SERIES-8000 FRAMES OPTION




TRANSOM JAMB
SERIES-8000 FRAMES OPTION

Stantec
Two South Biscayne Blvd., Suite 1870
Miami, Florida 33131

Reviewed By [illegible] Date 1/7/16

**PRODUCT REVISED**
as complying with the Florida Building Code
NOA-No. 15-0602.09
Expiration Date 12/24/2018
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CO

SERIES-9000 ALUM. OUTSWING FRENCH DOOR (.M.I.)

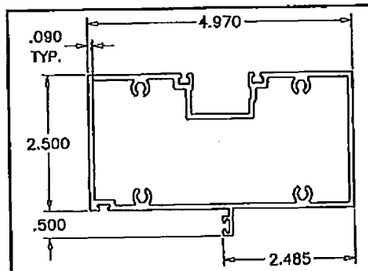
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5158 FAX. (305) 636-5158

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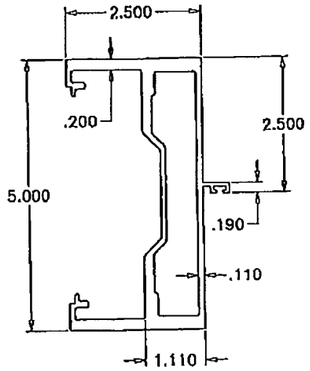
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chk. by:

drawing no.
W08-66
sheet 6 of 11

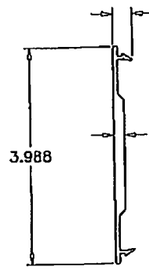
MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE



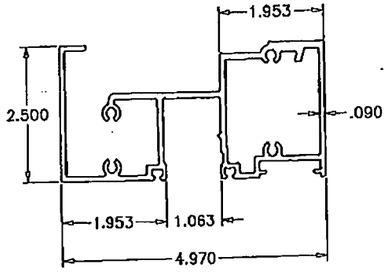

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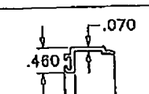

E3 DOOR JAMB Series 9000



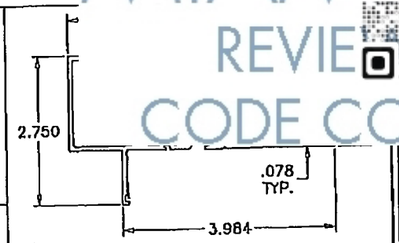

E15 JAMB FILLER



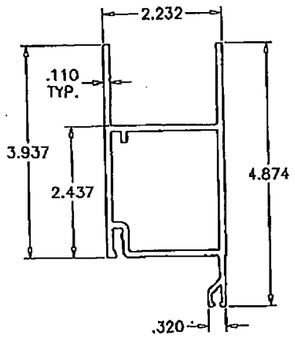

T1 TRANSOM HEADER Series 9500



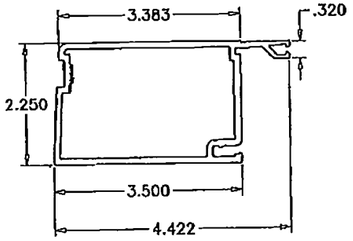

E21 DOOR STOP



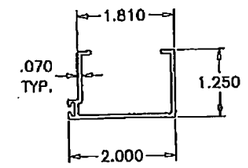

T5 TRANSOM HEAD S-8000



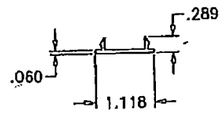

E4 TOP RAIL



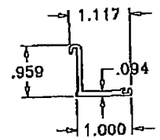

E6 HINGE/LOCK STILE



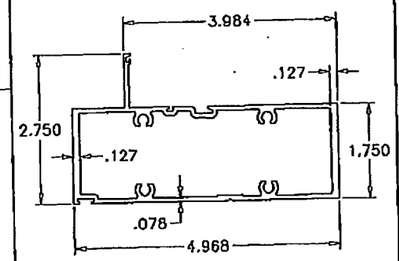

E18 CLOSURE DOOR STOP




T4 HEAD COVER




E22 DOOR STOP COVER



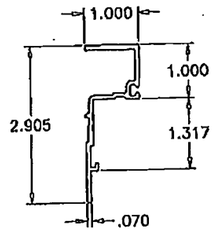

T6 HORIZONTAL AT DOOR S-8000



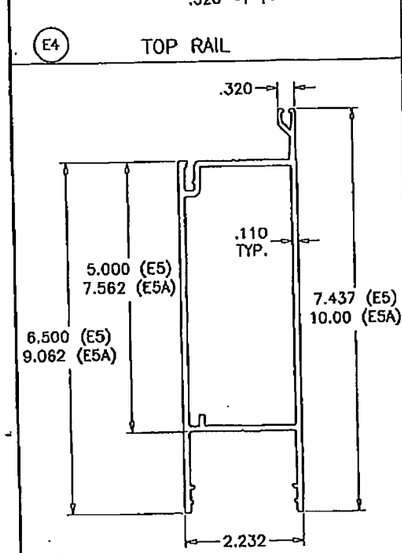

T10 TRANSOM GLAZING ADAPTER



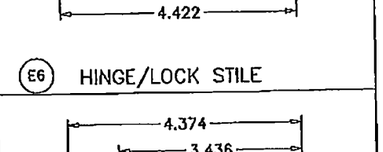

E10 CORNER BLOCK



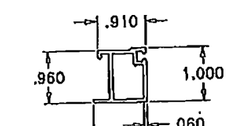

T2 TRANSOM ADAPTER



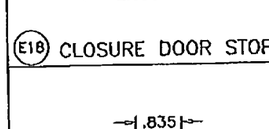

E5 STD. BOTTOM RAIL
E5A HI-PROFILE BOTTOM RAIL



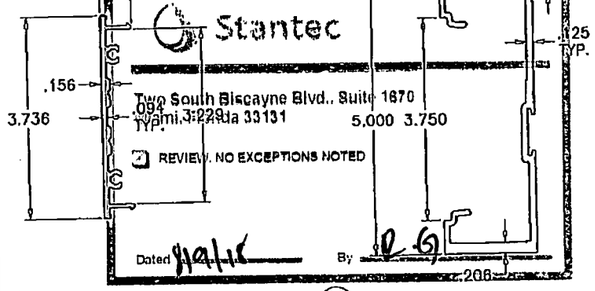

E7 MEETING STILE – INACTIVE LEAF




T3 TRANSOM GLASS STOP




E9 GLASS STOP




T8 JAMB FILLER S-8000
T7 TRANSOM JAMB S-8000




E8 MEETING STILE – ACTIVE LEAF




E14 LOCK BACK UP PLATE



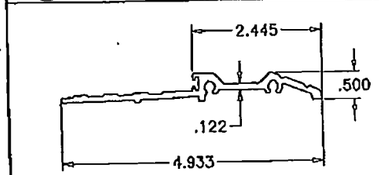

E20 DOOR SWEEP
E11 CORNER PLATE



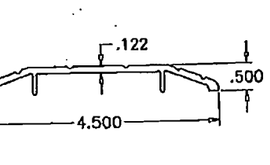

E9.1 GLASS STOP (INSUL. LAM. GLASS)




T9 TRANSOM GLASS STOP S-8000




E2 THRESHOLD ES9014




E2A ALTERNATE THRESHOLD ES9015

SEE SHEET 11 FOR HIGH THRESHOLD DETAIL

**PRODUCT REVISED**
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NOA-No. 15-0602.09
Expiration Date 12/24/2018
By
Miami-Dade Product Control

Stantec
Two South Biscayne Blvd., Suite 1870
Miami, Florida 33131
REVIEWED, NO EXCEPTIONS NOTED
Dated 9/9/18 By

JAVAD AHMAD LICENSE No. 70582 STATE OF FLORIDA PROFESSIONAL ENGINEER

ALTERNATE OPTIO

AL-FAROOQ CORPOR
ENGINEERS & PRODUCT DEVELC
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL (305) 264-8100 FAX (30
CC

SERIES-9000 ALUM OUTSWING FRENCH DOOR (LM.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL (305) 638-5545 FAX (305) 638-5158

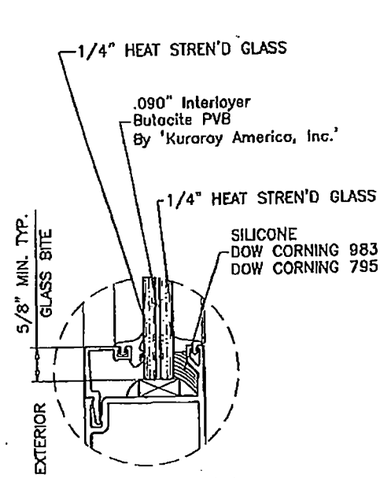
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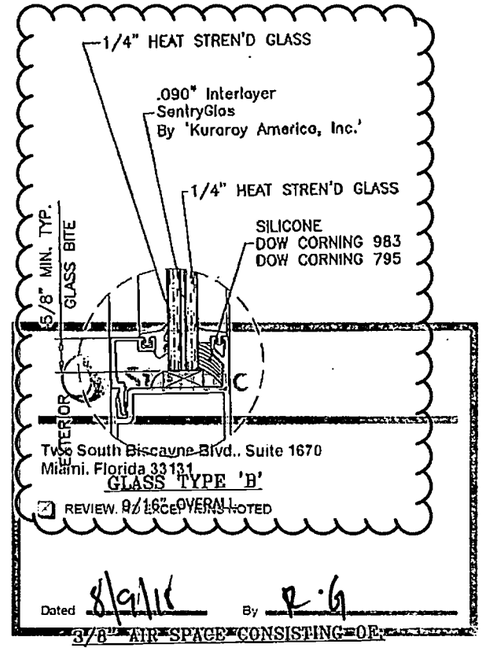
drawing no.
W08-66
sheet 7 of 11

| ITEM # | PART # | QUANTITY | DESCRIPTION | MATERIAL | MANF./SUPPLIER/REMARKS |
|---|---|---|---|---|---|
| E1 | ES9012 | 1 | DOOR HEADER | 6063-T6 | – |
| E2 | ES9014 | 1 | STANDARD THRESHOLD | 6063-T6 | – |
| E2A | ES9015 | 1 | SADDLE THRESHOLD | 6063-T6 | – |
| E2B | ES-9026 | 1 | HIGH THRESHOLD | 6063-T6 | – |
| E2C | ES-9027 | 1 | THRESHOLD COVER | 6063-T5 | – |
| E3H | ES9013 | 2 | DOOR JAMB – HINGE | 6063-T6 | – |
| E4 | ES9001 | 2 | TOP RAIL | 6063-T5 | – |
| E5 | ES9002 | 2 | STD. BOTTOM RAIL | 6063-T6 | – |
| E5A | ES-9000-031 | 2 | HI-PROFILE BOTTOM RAIL | 6063-T6 | – |
| E6H | ES9003 | 2 | HINGE/LOCK STILE | 6063-T5 | – |
| E7 | ES9006 | 1 | MEETING STILE – INACTIVE LEAF | 6063-T5 | – |
| E8 | ES9007 | 1 | MEETING STILE – ACTIVE LEAF | 6063-T5 | – |
| E9H | ES9004 | 4 | HORIZONTAL GLASS STOP | 6063-T5 | – |
| E9V | ES9004 | 4 | VERTICAL GLASS STOP | 6063-T5 | – |
| E9.1 | ES-9029 | 4 | GLASS STOP (INSUL. LAM. GLASS) | 6063-T5 | – |
| E10T | ES9008 | 4 | CORNER BLOCK –TOP | 6063-T5 | – |
| E10B | ES9008 | 4 | CORNER BLOCK – BOTTOM | 6063-T5 | – |
| E11T | ES9009 | 4 | CORNER PLATE – TOP | 6063-T5 | – |
| E11B | ES9009 | 4 | CORNER PLATE – BOTTOM | 6063-T5 | – |
| E12 | ES9010 | 4 | SUPPORT ANGLE | 6063-T5 | 3/4" X 1" X 1/8" X 9" LONG |
| E13 | ES9011 | AS RQD. | HINGE BACKUP PLATE REINFORCEMENT | 6063-T5 | – |
| E14 | ES9020 | 1 | LOCK BACKUP PLATE REINFORCEMENT | 6063-T5 | – |
| E15 | ES9016 | AS RQD. | JAMB FILLER | 6063-T6 | – |
| E16 | ES9017 | AS RQD. | REINFORCEMENT | 6063-T6 | – |
| E17 | ES9021 | 1/ CLOSER | CLOSER SUPPORT CLIPS (PAIR) | 6063-T5 | – |
| E18 | ES9022 | 1 | CLOSER DOOR STOP | 6063-T5 | – |
| E19 | ES9023 | 1/ CLOSER | CLOSER COVER PLATE | 6063-T5 | – |
| E20 | ES9005 | | DOOR SWEEP | – | – |
| E21 | ES9051 | | DOOR STOP | – | – |
| E22 | ES9052 | | DOOR STOP COVER | – | – |
| M1 | | 28 | #12 x 1" P.H. ST/ST SMS | – | – |
| M2 | | AS RQD. | #12 – 24 x 1/2" F.H. ST/ST MS | – | – |
| M3 | | 18 | #8 – 32 x 1/2" P.H. ST/ST MS | – | – |
| M4 | | 16 | 3/8" – 16 x 1" HEX. BOLT | – | – |
| M5 | ES9000-G01 | AS RQD. | WEDGE GASKET | EPDM | DUROMETER 70 |
| M6 | ES9000-G02 | AS RQD. | SPACER GASKET | EPDM | DUROMETER 70 |
| M7 | ES9000-G03 | AS RQD. | BULB VINYL, BASE-POLYPROPILENE, BULB-TPE | – | ULTRAFAB, DUROMETER 73 |
| M8 | ES9000-B1 | AS REQD. | SETTING BLOCKS AT 1/4 POINTS | EPDM | DUROMETER 80±5 SHORE A |
| M9 | | AS RQD. | HINGE 4 1/2" x 4" | – | – |
| M9A | | AS RQD. | OFFSET PIVOT HINGE | ALUMINUM | – |
| M12 | | 1 | 3 POINT LOCK | – | – |
| M13 | | 1 | KEY CYLINDER | – | – |
| M14 | | 1 | THUMBTURN | – | – |
| M15 | | 1 | 2 POINT LOCK | – | – |
| M16 | | 1/ LEAF | DOOR CLOSURE | – | – |
| M17 | | 2 | PUSH – PULL | – | – |
| M19 | W13273NK | AS RQD. | PILE – HEADER | – | – |
| M20 | W23451NK | AS RQD. | PILE – MTG STILES | – | – |
| M22 | – | 1/ CLOSER | CHANNEL SPACER 5/8" X 1-3/4" | – | – |
| M23 | | 2 | THRESHOLD CLIP | – | – |
| M24 | | AS RQD. | STRUCTURAL SILICONE | – | – |
| M25 | | AS RQD. | SILICONE | – | – |
| M26 | | 2/ CLOSER | 1/4 – 20 x 2" HEX. BOLT | – | – |
| M27 | | 3/ CLOSER | #10 x 1" P.H. ST/ST SMS | – | – |
| M28 | | 6/ CLOSER | #10 x 3/4" F.H. ST/ST SMS | – | – |
| M29 | | 3/ CLOSER | #10 x 1" F.H. ST/ST SMS | – | – |
| M30 | | AS RQD. | #8 x 1 1/2" F.H. ST/ST SMS | – | – |
| M31 | W13351NK | AS RQD. | PILE – DOOR SWEEP | – | – |
| M32 | W13275NK | AS RQD. | PILE – HEADER | – | – |

| ITEM # | PART # | QUANTITY | DESCRIPTION | MATERI | |
|---|---|---|---|---|---|
| T1 | ES9506 | | TRANSOM HEADER Series 9500 | 6063-T | |
| T2 | ES9019 | | TRANSOM ADAPTER | 6063-T | |
| T3 | ES9018 | | TRANSOM GLASS STOP | 6063-T | |
| T4 | ES9502 | | HEAD COVER | 6063-T | |
| MT1 | | | #10 x 1/2" F.H. ST/ST SMS | – | |
| MT2 | | | TRIM GASKET | SILICONE | – |
| MT3 | | | INTERIOR SPACER 1/4" x 1/4" | FOAM | – |
| MT4 | | AS REQD. | SETTING BLOCKS (1/16" x 3/4") AT 1/4 POINTS | EPDM | DUROMETER 80±5 SHORE A |
| T5 | ES8005 | AS REQD. | TRANSOM HEAD S-8000 | 6005-T6 | – |
| T6 | ES8013 | AS REQD. | HORIZONTAL AT DOOR S-8000 | 6005-T6 | – |
| T7 | ES8012 | AS REQD. | TRANSOM JAMB S-8000 | 6005-T6 | – |
| T8 | ES8003 | AS REQD. | JAMB FILLER S-8000 | 6005-T5 | – |
| T9 | ES8006 | AS REQD. | TRANSOM GLASS STOP S-8000 | 6063-T5 | – |
| T10 | ES8014 | AS REQD. | TRANSOM GLAZING ADAPTER | 6063-T6 | – |



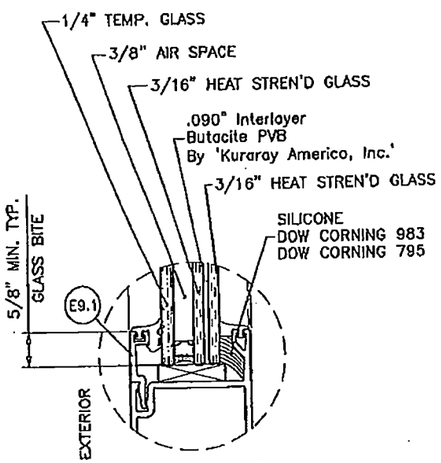

GLASS TYPE 'A'
9/16" OVERALL




GLASS TYPE 'B'
9/16" OVERALL

REVIEWED, NO EXCEPTIONS NOTED

Dated 8/9/16 By R.G




GLASS TYPE 'C'
1-1/8" OVERALL

3/8" AIR SPACE CONSISTING OF:

SPACER:
'HELIMA' LOW PROFILE ALUMINUM SPACER
BY 'LINGERMANN GMBH'
AROUND THE PERIMETER OF THE GLASS.

PERIMETER SEALANT:
SILICONE
DOW CORNING 791
GE 2000

**PRODUCT REVISED**
**as complying with the Florida Building Code**
**NOA-No. 15-0602.09**
**Expiration Date 12/24/2018**
**By**
**Miami-Dade Product Control**

JAVAD AHMAD LICENSE No. 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

GLAZING OPTIONS

MIAMI BEACH
REVIEWED FOR
CODE COMPLIANCE

AL-FAROOQ CORPOR
ENGINEERS & PRODUCT DEVELO
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL (305) 264-8100 FAX (305)
CO

SERIES-9000 ALUM OUTSWING FRENCH DOOR (L.M.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL (305) 638-8151 FAX (305) 638-5158

| revisions: | | | |
|---|---|---|---|
| no | date | by | description |
| G | 02.24.12 | | SILICONE REV. |
| H | 05.05.15 | | UPDATED TO 2014 FBC |
| I | 01.13.16 | | REV. PER RER COMMENTS |
| J | 03.08.16 | | REV. PER RER COMMENTS |

date: 07-14-08
scale: 3/8" = 1"
dr. by: HAMID
chk. by:

drawing no.
W08-66

sheet 8 of 11

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE

## LOCKS: (See Table #1 or #3 for Load Capacities)

### OPTION #1:

CONCEALED VERTICAL ROD PANIC EXIT DEVICE BY
'JACKSON PANIC SYSTEM' #1285 LOCATED AT 41"
FROM SILL AT EACH LEAF.
FASTENED WITH
(1) #14 X 1" HH SELF DRILLING SCREW AT ONE END AND
(2) #12-24 X 1/2" OH MACHINE SCREWS AT OTHER END

OR

CONCEALED VERTICAL ROD PANIC EXIT DEVICE BY
'ADAMS RITE' LOCATED AT 40" FROM SILL
AT EACH LEAF.
FASTENED WITH
(2) #10-32 X 3/4" FH MACHINE SCREWS AT ONE END AND
(2) #10-24 X 1/2" FH MACHINE SCREWS AT OTHER END

### OPTION #2:

CONCEALED VERTICAL ROD PANIC EXIT DEVICE BY
'JACKSON PANIC SYSTEM' #2086 LOCATED AT 41"
FROM SILL AT EACH LEAF.
FASTENED WITH
(1) #14 X 1" HH SELF DRILLING SCREW AT ONE END AND
(2) #12-24 X 1/2" OH MACHINE SCREWS AT OTHER END

OR

CONCEALED VERTICAL ROD PANIC EXIT DEVICE BY
'DOR-O-MATIC' LOCATED AT 40" FROM SILL
AT EACH LEAF.
FASTENED WITH
(2) #12-24 X 1/2" FH MACHINE SCREWS AT ONE END

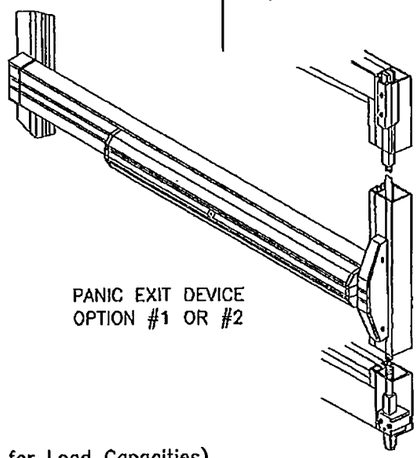
### OPTION #3:

ACTIVE LEAF:

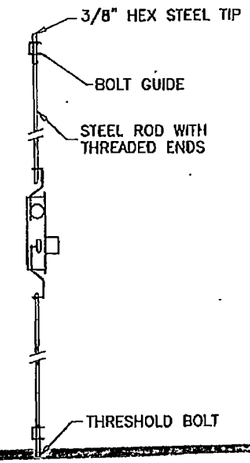
KEY OPERATED THREE POINT LOCK SYSTEM BY
'ADAMS RITE' WITH CONCEALED FLUSH BOLTS AT TOP
BOTTOM OF LOCK STILE AND A THUMB TURN ON THE
INTERIOR, LOCATED AT 40" FROM BOTTOM OF PANEL
FASTENED WITH
(2) #12-24 X 1/2" FH MACHINE SCREWS

INACTIVE LEAF:

MANUALLY OPERATED TWO POINT LOCK SYSTEM BY
'ADAMS RITE' WITH CONCEALED FLUSH BOLTS AT TOP &
BOTTOM OF LOCK STILE AND A THUMB TURN ON THE
INTERIOR, LOCATED AT 40" FROM BOTTOM OF PANEL
FASTENED WITH
(2) #8-32 X 1/4" PH MACHINE SCREWS



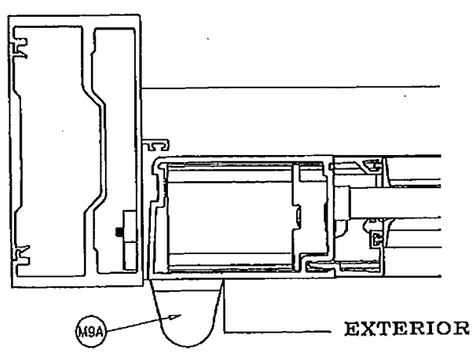
PANIC EXIT DEVICE
OPTION #1 OR #2




## HINGES: (See Table #1 or #3 for Load Capacities)

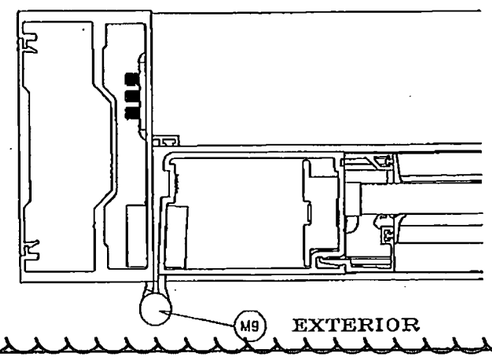
### OPTION #1:

OFFSET PIVOT HINGES
ALUMINUM AT TOP AND BOTTOM
FASTENED TO FRAME AND THRESHOLD WITH
#10-24 X 1/2" FH THREAD CUTTING SCREWS
(2) AT THRESHOLD, (2) AT JAMB BOTTOM
(3) AT FRAME HEAD
HEAVY DUTY BRASS OR BRONZE AT MIDSPAN
FASTENED TO FRAME AND LEAF WITH
(4) 1/4-20 X 5/8" MS




### OPTION #2:

4 X 4-1/2" ST. STEEL BALL BEARING BUTT HINGES
LOCATED AT
11" FROM TOP & BOTTOM AND AT MIDSPAN
FASTENED TO DOOR FRAME AND LEAF STILE WITH
(4) #12-24 X 1/2" FH MACHINE SCREWS PER HASP




Stantec

Two South Biscayne Blvd., Suite 1070
Miami, Florida 33131

☑ REVIEW. NO EXCEPTIONS NOTED

Dated 8/7/18 By

**PRODUCT REVISED**
**as complying with the Florida Building Code**
**NOA-No. 15-0602.09**
**Expiration Date 12/24/2018**
**By**
**Miami-Dade Product Control**

JAVAD AHMAD
LICENSE
No. 70592
STATE OF FLORIDA
PROFESSIONAL ENGINEER
8/14/18

AL-FAROOQ CORPOR
ENGINEERS & PRODUCT DEVELOP
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305)
COM

SERIES-9000 ALUM OUTSWING FRENCH DOOR (L.M.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 • FAX. (305) 638-5158

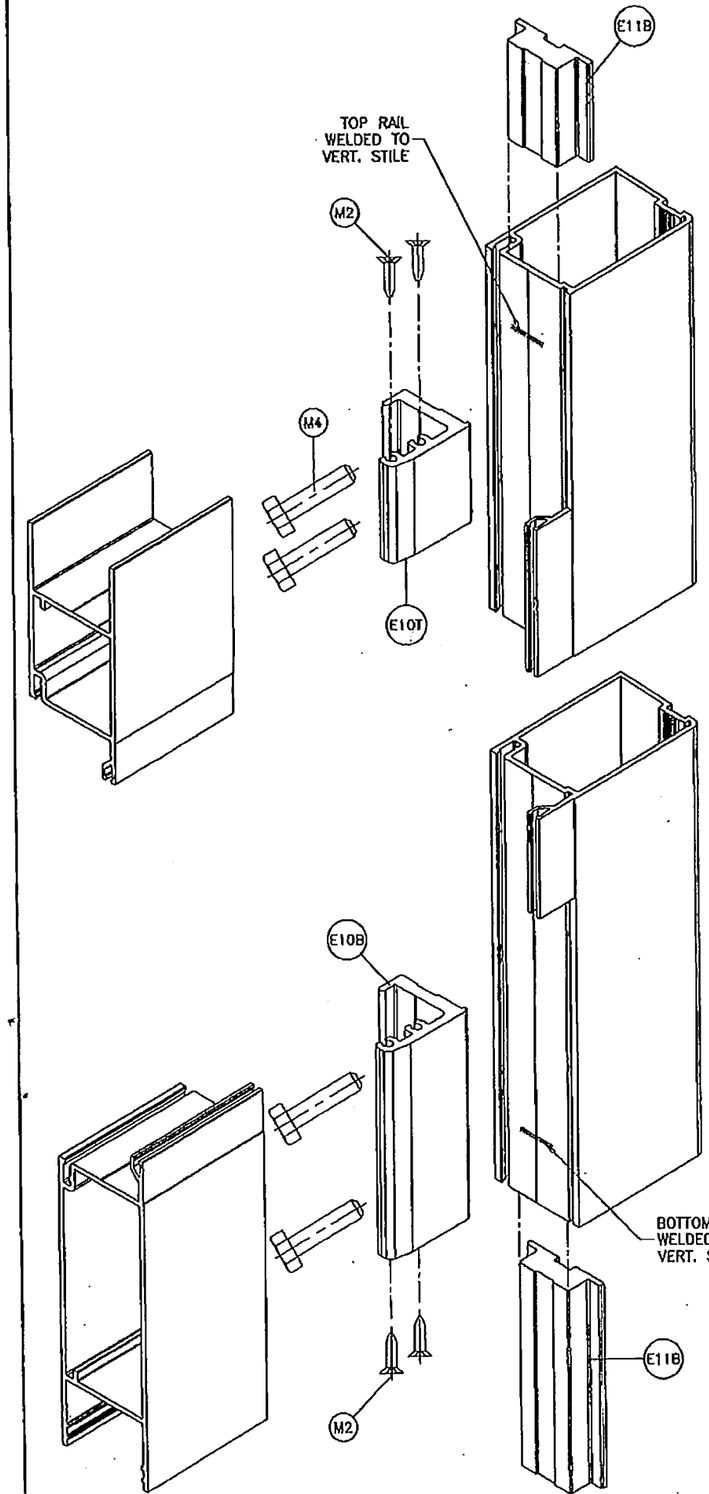
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|---|---|---|---|
| no | date | by | description |
| G | 02.24.12 | | NO CHANGE THIS SHEET |
| H | 05.05.15 | | UPDATED TO 2014 FBC |
| I | 01.13.16 | | NO CHANGE THIS SHEET |
| J | 03.08.16 | | NO CHANGE THIS SHEET |

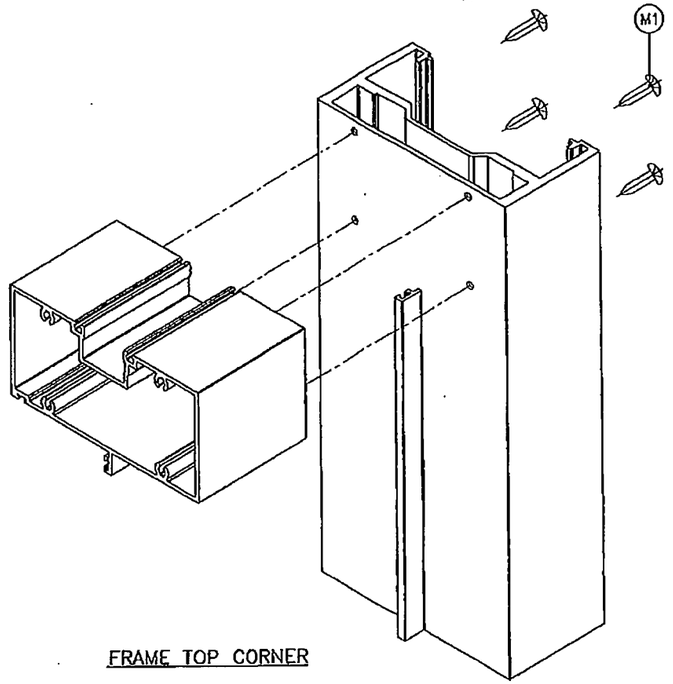
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scale: 3/8" = 1"
dr. by: HAMID
chk. by:

drawing no.
W08-66

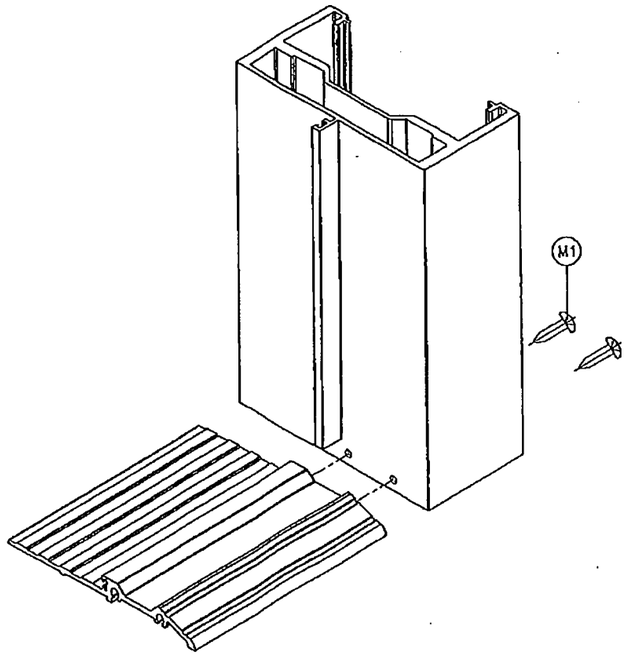
sheet 9 of 11

MIAMI BEACH
REVIEWED FOR
CODE COMPLIANCE

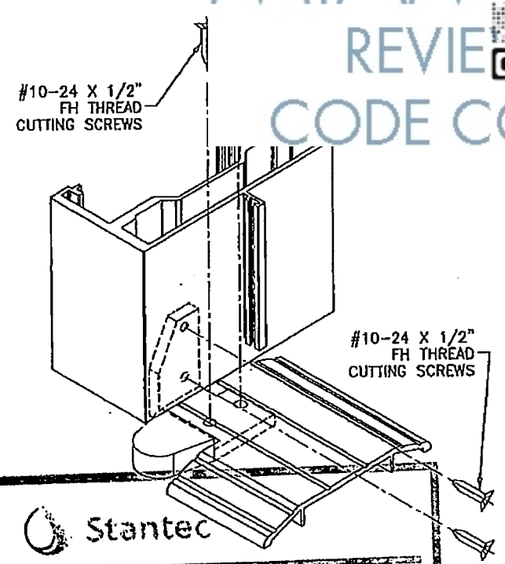



FRAME TOP CORNER




THRESHOLD CORNER

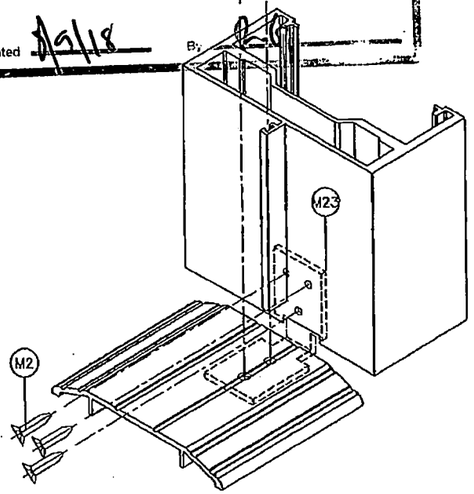



Stantec

PIVOT THRESHOLD CORNER
Two South Biscayne Blvd., Suite 1070
Miami, Florida 33131

☑ REVIEW. NO EXCEPTIONS NOTED

Dated 1/3/18 By:




THRESHOLD CORNER

**PRODUCT REVISED**
**as complying with the Florida Building Code**
**NOA-No. 15-0602.09**
**Expiration Date 12/24/2018**
**By**
**Miami-Dade Product Control**

JAVAD AHMAD LICENSE No. 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER 3/4/18

**AL-FAROOQ CORPOR**
ENGINEERS & PRODUCT DEVELOP
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C...
TEL. (305) 264-8100 FAX. (305
CON

SERIES-9000 ALUM OUTSWING FRENCH DOOR (LM1)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 • FAX. (305) 638-5158

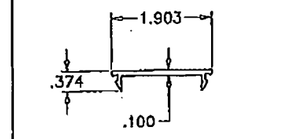
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scale: 3/8" = 1"
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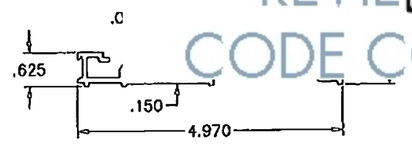
drawing no. W08-66

sheet 10 of 11

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE




E2C THREshold COVER
ES9027



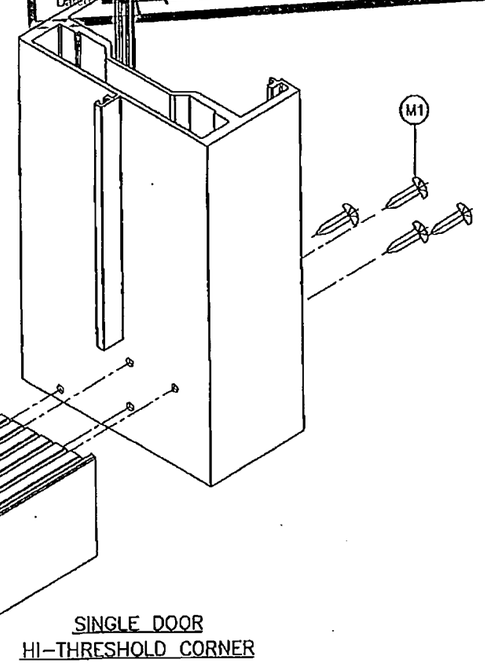

E2B HIGH THRESHOLD
ES9026

Stantec

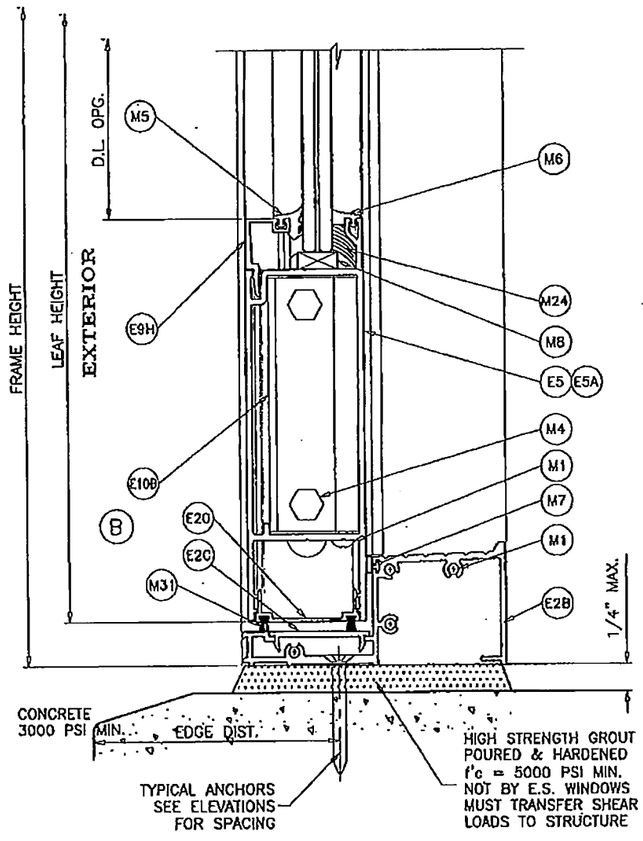
Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131

☑ REVIEW. NO EXCEPTIONS NOTED

Date: 9/9/16 By:




SINGLE DOOR
HI-THRESHOLD CORNER




HIGH THRESHOLD OPTION
APPROVED FOR WATER RESISTANCE WHEN USED WITH SINGLE DOORS
NOT APPROVED FOR WATER RESISTANCE WHEN USED WITH DOUBLE DOORS

**PRODUCT REVISED**
**as complying with the Florida Building Code**
**NOA-No. 15-0602.09**
**Expiration Date 12/24/2018**
**By**
**Miami-Dade Product Control**

JAVAD AHMAD
LICENSE
No. 70592
STATE OF FLORIDA
PROFESSIONAL ENGINEER
3/14/17

AL-FAROOQ CORPOR
ENGINEERS & PRODUCT DEVELOF
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C...
TEL (305) 264-8100 FAX. (305
CON

SERIES-9000 ALUM OUTSWING FRENCH DOOR (L.M.I.)

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| revisions: | | | |
|---|---|---|---|
| no | date | by | description |
| G | 02.24.12 | | NO CHANGE THIS SHEET |
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| I | 01.13.16 | | REV. PER RER COMMENTS |
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date: 07-14-08
scale: 3/8" = 1"
dr. by: HAMID
chk. by:
drawing no. W08-66
sheet 11 of 11

MIAMIBEACH

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REVIEWED FOR
CODE COMPLIANCE

http://www.miamibeachfl.gov/city-hall/building/

# Plan Routing Sheet

| General Information – All fields MUST be completed for submittal | | |
|---|---|---|
| Date: 5/21/19 | Process/Permit Number: BC1808716 | Historic (Y/N): No |
| Job Address: 1698 Alton Rd | | |
| Contact Name: Alberto Hernandez | | |
| E-mail: PermitAndAllcorp@AOL.com | | |
| Phone No: (786)258-3713 | Cell /Fax No: | |

*I am submitting revisions, or corrections for all the failed disciplines, and a narrative/response to each discipline/comment is attached.*

*Name:* Alberto Hernandez *Signature/Date:* _____

**Permit Revisions:** Yes ☐ No ☐ **Total # of drawing sheets:** _____

**Re-submittals - New Sheets:** Yes ☐ No ☐ **Master Permit #:** _____

**List all new sheets for re-submittals, revisions, provide description of work, and new cost, if any:**

Narrative

**OFFICE USE ONLY**

| Required Approvals - As Indicated | | |
|---|---|---|
| ☐ Building | ☒ Flood Plain Management | ☐ Public Works |
| ☐ DERM | ☐ Landscaping | ☐ Roofing |
| ☐ Electrical | ☐ Mechanical | ☐ Structural |
| ☐ Elevator | ☒ Parking | ☐ Urban Forestry |
| ☐ Environmental-Sustainability | ☒ Planning & Zoning | |
| ☒ Fire | ☐ Plumbing | |

**Comments:**

*Clerk's Name:* Christina Perez *Date:* 5/21/19

| | | |
|---|---|---|
| ☒ 2 sets of plans | ☐ Flood Proofing Certificate | ☐ Revisions |
| ☐ Appraisal | ☐ Geotechnical Report | ☐ Special Inspector Forms |
| ☐ Construction Contract | ☐ Master set | ☒ Structural calculations |
| ☐ DERM Approval | ☒ Narrative response | ☐ Survey(s) |
| ☐ Elevation Certificate | ☒ Plans in color | ☐ Construction Parking Management Plan (CPMP) |
| ☐ Energy calculations | ☐ Permit Application | ☒ PP AFE |

☐ **Walk-Through** ☒ **Drop-Off**

Letter to Building Official

*Revised May 15, 2019*

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE

**ADA Information**

To request this material in accessible format, sign language interpreters, information on ac
accommodation to review any document or participate in any city-sponsored proceeding, pleas
(fax), or 305-673-7218 (TTY) five (5) days in advance to initiate your request. TYY users may al

**City of Miami Beach Mission**

We are committed to providing excellent public service and safety to all who live, work and play in our vibrant, tropical, historic community.

**Excellence Miami Beach**

**Form Name** Plan Routing Request Sheet.

**Purpose** To route to several disciplines at once to reach final approval status.

**Form Submittal** Submit in person to the ***Drop-Off Section.***

**For Assistance** Please contact:

1. **In person**: Building Department 1700 Convention Center Drive, 2nd Floor Miami Beach, Florida 33139. **(Drop-Off Section)**
2. **Via Telephone**: 305-673-7610

   Ebony Dukes – Ext. 6434
   RaShonda Blatch – Ext. 6621
3. **Via E-mail:**

   EbonyDukes@miamibeachfl.gov
   RaShondaBlatch@miamibeachfl.gov
4. **Online:**
   www.miamibeachfl.gov
   http://www.miamibeachfl.gov/city-hall/building/

**Building Department Mission**

We are dedicated to serving the public by the efficient and effective supervision of construction, business, professional and personal activities to safeguard the public health, safety and general welfare of the City's residents and visitors by enforcing the Florida Building Code and the City Code of Ordinances.

BC180 87

MIAMI BEACH
REVIEWED FOR
CODE COMPLIANCE

# NARRATIVE

REF: 17 & West
1698 Alton Rd
Miami Beach, FL 33139
**Process BC1808~~592~~**
8714

**Fire Building Comments:**
1. Provide copy of approved master permit to verify proper door hardware for exit doors. Any door serving greater than 99 persons must have panic hardware. Only exception is for main entrance that is free swinging may have key lock, only if keyed on both sides. (no thumb turn)

*Please see door hardware on master BC1602075 page A-923*

**Flood Review Comments:**
Plans submitted do not match the information on Master Permit.
- Provide the last approved set of Plans.

*Please see revision RV1806018*

**Planning Review Comments:**
Provide LAST - APROOVED - Master Permit (Plans / Elevations). PERMIT and Master Permit shall have same glazing design.

*Please see revision RV1806018*

BC1808716

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE

May 17, 2019

City Of Miami Beach Building Department
1700 Convention Center Drive,
Miami Beach, FL 33139

RE: Reactivation of BC1808716 at 1698 Alton Rd Miami Beach, FL 33139

Dear Building Official,

We GMP Consulting & Glazing Contractors Inc located at 3550 NW 49 St. Miami, FL, 33142. Would like to formally request process number BC1808716 be reactivated in order to complete our reviews and pull the permit.
A revision RV1806018 to the master BC1602075 was required to match our shop drawings which took over a year until 5/16/19. This buildings name is "17West" located at 1698 Alton Rd project "Windows & Doors for the Ground Level".

Sincerely,

Giovanni Monti P.
GMP Consulting & Glazing Contractors Inc.
3550 NW 49 St
Miami, FL 33142

STATE OF FLORIDA
COUNTY OF Dade

Sworn to and subscribed before me this 17 day of May, 2019, by Giovanni Monti

Signature of Notary Public
Name of Notary Cynthia Galeano

Notary Public State of Florida
Cynthia Galeano
My Commission FF 905577
Expires 09/07/2019

Personally Known X OR Produced Identification ____
Type of Identification Produced ____

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE

**Private Provider**
**Building Plans Compliance Affidavit**

Private Provider Firm: **NOVA Engineering and Environmental LLC**

Private Provider: **Sandro Maldonado, PE**

Address: **4350 Oakes Road, Suite 518, Davie, FL 33314**

Phone: **(954) 424-2520**

Fax: **(954) 424-2580**

Email: **smaldonado@usanova.com**

BC18008716

I hereby certify that to the best of my knowledge and belief the plans submitted were corrected and reviewed for and are in compliance with the Florida Building Code and all local amendments to the Florida Building Code by the following affiant, who is duly authorized to perform plans review pursuant to Section 553.791, Florida Statute and holds the appropriate license or certificate:

Name: **17th Street & West Avenue**

**Project: 17th Street & West, 1681 West Avenue – Miami Beach FL**

**Plan Sheets: Structural – Window & Doors Level 1**

**Plans Signed and Sealed Dated 7/31/18:** CS-000, CS-001, FP-100, FP-101, BE-200, BE-201, BE-202, BE-203, BE-204, BE-205, WE-300, WE-301, WE-301.1, WE-302, WE-304, WE-305, WE-306, WE-307, WE-308, WE-309, WE-310, WE-311, WE-312, WE-313, WE-314, WE-315, WE-316, D-400, D-400.1, D-400.2, D-400.3, D-401, D-402, D-403, D-404, D-405, D-406, D-407, D-409, D-410, D-411, D-413, D-414, D-415, D-415.2, D-416, D-417, D-418, D-419, D-422, D-500, D-503, D-504, D-505, D-506, D-508, D-509, D-510, D-512, D-513, D-514, D-514.1, D-514.2, D-514.3, D-600

Document Signed and Sealed Dated 8/21/18: Structural Calculations with NOA #17-1218.08 and NOA#15-0602.09

Florida License / Registration / Certification #(s) and description:
PE 73057

Signature of Reviewer: _____

STATE OF FLORIDA
COUNTY OF BROWARD
Sworn to and subscribed before me this 29th day of August 2018, by Sandro Maldonado personally known to me to be the same person and official who executed the above and foregoing instrument as Architectural/General Building/ Structural Plans Examiner appeared before me in person and acknowledged that, as such official he executed the above instrument as his free and voluntary act on behalf of NOVA Engineering and Environmental LLC pursuant to authority conferred and for the uses and purposes therein set forth.

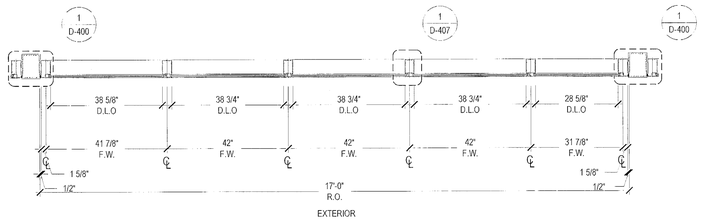
Notary Seal:

NOTARY PUBLIC STATE OF FLORIDA
NATALIE FORESMAN
Commission # GG 112030
Expires June 26, 2021
Bonded Thru Budget Notary Services

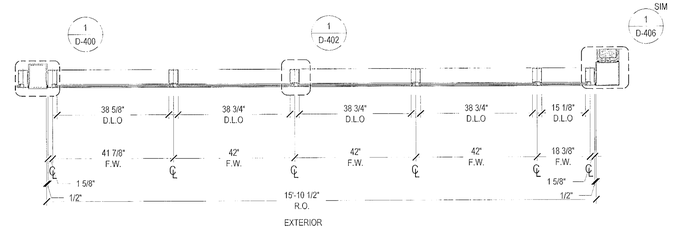
_____
Signature of Notary Public-State of Florida

Natalie Foresman
Printed Name of Notary Public

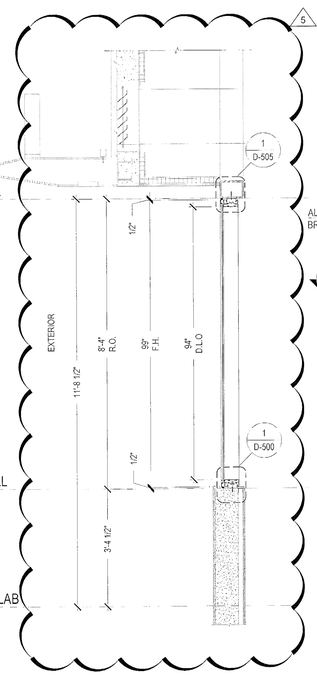
MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE



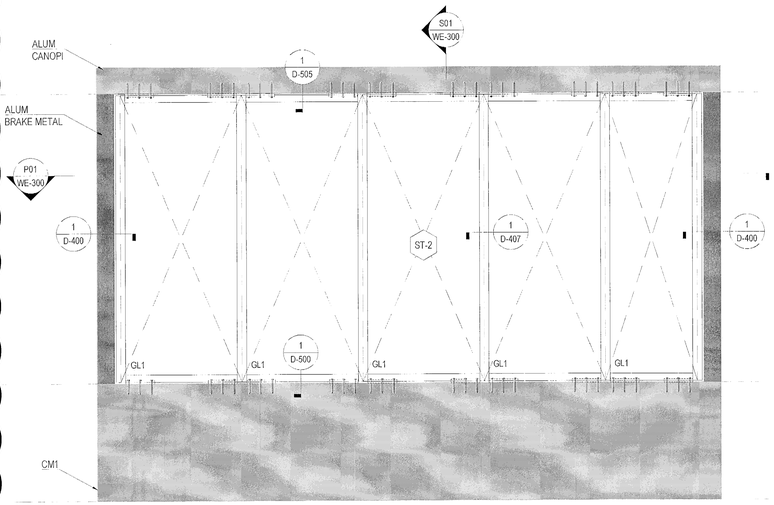

P01 WINDOW PLAN
1/2"= 1'-0"



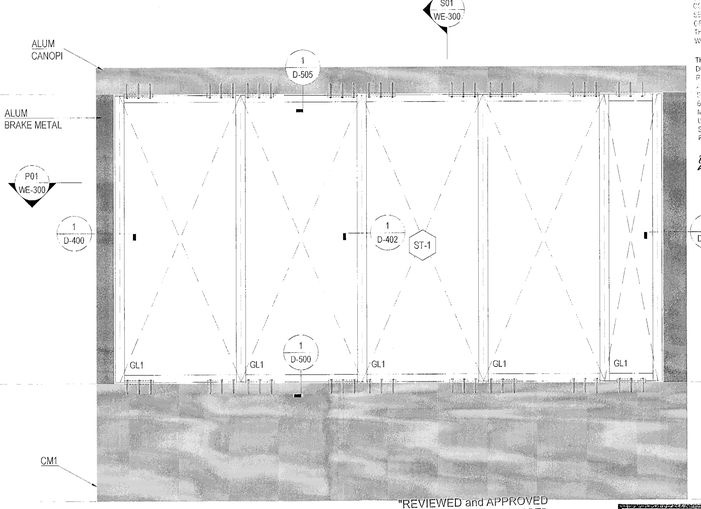

P01 WINDOW PLAN
1/2"= 1'-0"




S01 WINDOW SECTION
1/2"= 1'-0"




ST-2 WINDOW ELEVATION
SYSTEM: ES-7000 1/2"= 1'-0"




ST-1 WINDOW ELEVATION
SYSTEM: ES-7000 1/2"= 1'-0"

| LOADS: + 64.8 p.s.f. - 70.3 p.s.f. |
|---|

| MARK COUNT | | |
|---|---|---|
| LEVEL | QTY | FACADE |
| LEVEL 1 | 3 | BE-205 |

| LOADS: + 64.8 p.s.f. - 70.3 p.s.f. |
|---|

| MARK COUNT | | |
|---|---|---|
| LEVEL | QTY | FACADE |
| LEVEL 1 | 1 | BE-205 |

"REVIEWED and APPROVED FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING and ENVIRONMENTAL LLC

SHOP DRAWING REVIEW
APPROVED
APPROVED AS NOTED
REJECTED
RE-SUBMIT
CORRECTIONS AND COMMENTS MADE ON SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLYING WITH REQUIREMENTS OF THE PERTINENT DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE INFORMATION IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, FABRICATING PROCESSES, EXISTING FABRICATION OR ERECTION OF CONSTRUCTION, TECHNIQUES OF ASSEMBLY AND PERFORMING WORK IN A SAFE AND SATISFACTORY MANNER.
THIS APPROVAL REPRESENTS ONLY THE REVIEW OF THIS DOCUMENT FOR GENERAL COMPLIANCE WITH THE REQUESTED HEREIN BY THE CONTRACTOR. SPECIFICATIONS NOTED BY THE SUBMISSION AND HEREIN DO NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR ANY DEVIATION FROM THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. MATERIAL IS UNDERSTOOD THAT THE ENGINEER HAS NOT REVIEWED SUBMITTALS IS NOT TO BE CONSTRUED AS AUTHORIZATION TO PERFORM ADDITIONAL WORK OF CHANGE.
BY

Stantec
Two South Biscayne Blvd., Suite 1070
Miami, Florida 33131
REVIEW: NO EXCEPTIONS NOTED
Date: 8/21/18 By:

REVIEWED
CITY OF MIAMI BEACH
FIRE DEPARTMENT

1081 WEST VENTURES LLC.
19501 Biscayne Boulevard, Suite 400
Aventura, FL 33180
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GENERAL CONTRACTOR:
GRYCON
Building with Precision
GRYCON LLC
4101 Ravenswood RD Suite 325
Dania Beach, FL 33312
954-926-0451

WINDOW MANUFACTURER:
gmp
GM&P Consulting and Glazing Contractors,Inc
3550 NW 49th street
Miami, FL 33142 EE.UU
Tel: 305-638-5151
Fax: 305-638-5158

SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S.
Cr51 B 80-58 OF. 301
Smart Office Center
Barranquilla, Colombia

FAÇADE+ENVELOPE
ENGINEERING CONSULTANTS, LLC
1930 HARRISON STREET, SUITE 204
HOLLYWOOD, FL 33020 (954) 589-1729
WWW.FACADENVELOPE.COM
CA# 30168

QUALIFIER FOR COMPLIANCE
MANUEL MORALES JR.
LICENSE NUMBER
No 71643
STATE OF FLORIDA
PROFESSIONAL ENGINEER
MANUEL MORALES, P.E.
FL. Reg # 71643

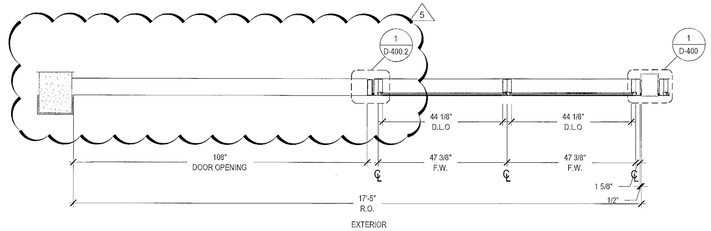
17TH & WEST AVENUE
1220 17TH STREET
MIAMI BEACH, FLORIDA 33139

| REVISION N° | DATE | DESCRIPTION |
|---|---|---|
| 1 | 12.15.2017 | SHOP DRAWINGS FIRST SUBMITTAL GROUND FLOOR |
| 2 | 12.26.2017 | FIRST SUBMITTAL UPDATE |
| 3 | 01.22.2018 | SHOP DRAWINGS FIRST RESUBMITTAL |
| 4 | 04.24.2018 | RESUBMITTAL UPDATE |
| 5 | 06.16.2018 | RESUBMITTAL PER RXLSTN N°: 2018.04.10 |
| 6 | 08.27.2018 | RESUBMITTAL PER Additional - FEEC Comments |

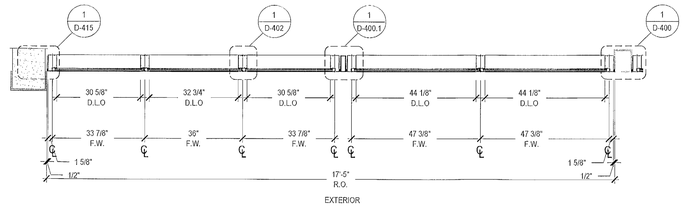
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17TH & WEST AVENUE
SCALE: 1/2" = 1'-0"
CONTENT:
WINDOWS WALL ELEVATION SYSTEM

SHEET: WE-300

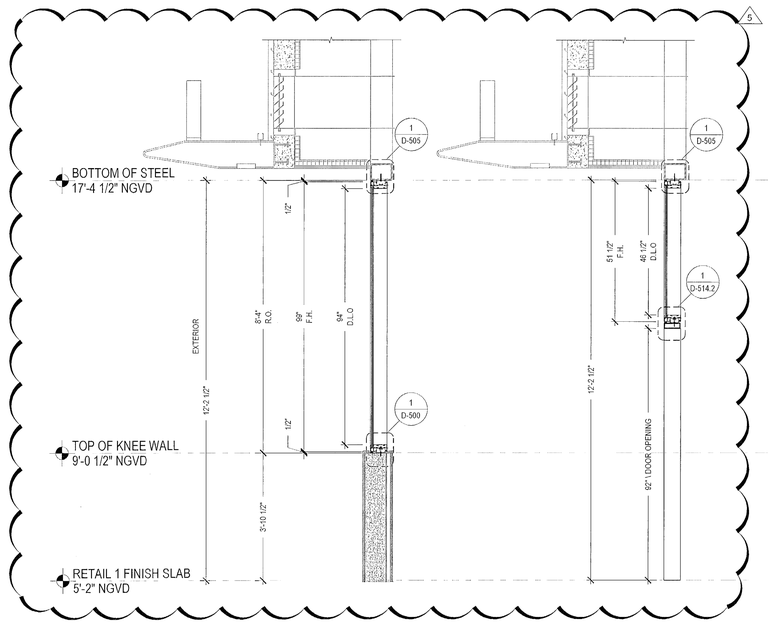
MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE




P02 WINDOW PLAN
1/2"= 1'-0"

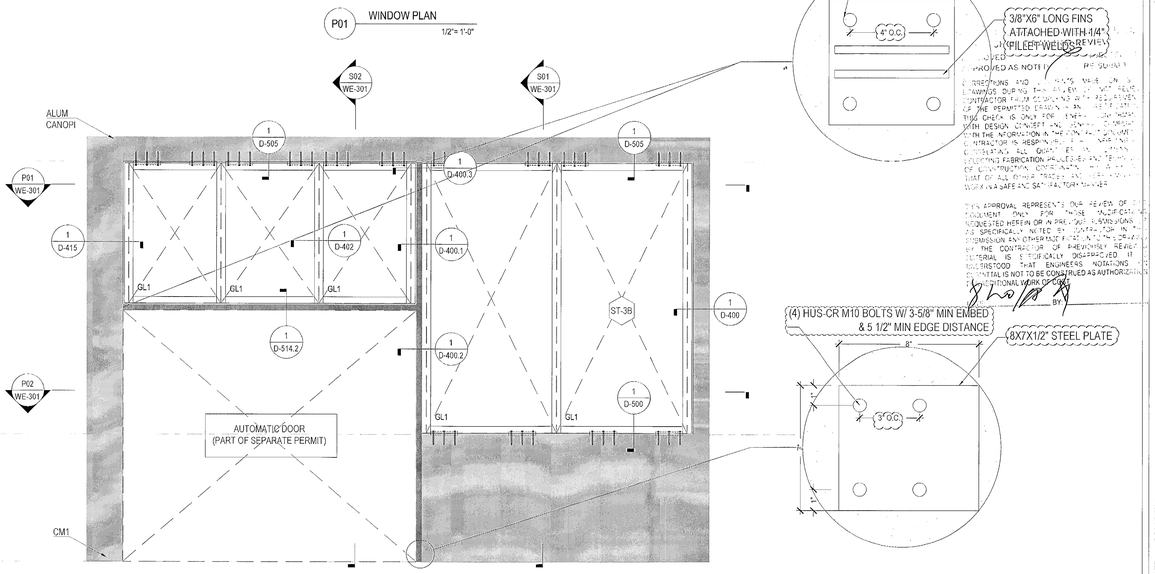



P01 WINDOW PLAN
1/2"= 1'-0"




S01 WINDOW SECTION
1/2"= 1'-0"

S02 WINDOW SECTION
1/2"= 1'-0"




ST-3B WINDOW ELEVATION
SYSTEM: ES-7000 1/2"= 1'-0"

| MARK COUNT | | |
|---|---|---|
| LEVEL | QTY | FACADE |
| LEVEL 1 | 1 | BE-205 |
| | | |

LOADS: + 64.8 p.s.f.
- 70.3 p.s.f.




"REVIEWED and APPROVED
FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING
and ENVIRONMENTAL LLC

Stantec
Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131
REVIEW NO EXCEPTIONS NOTED
Dated 8/29/18 By

1681 WEST VENTURES LLC.
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T: (305) 914-8207

ARCHITECT:
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STANTEC ARCHITECTURE INC.
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Building with Precision
GRYCON LLC
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954-626-0451

WINDOW MANUFACTURER:
gmp
GM&P Consulting and Glazing Contractors,Inc
3550 NW 49th street
Miami, Fl. 33142 EE.UU
Tel: 305-638-5151
Fax: 305-638-5168

SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S.
Cr51 B 80/58 OF. 901
Smart Office Center
Barranquilla, Colombia

FAÇADE+ENVELOPE
ENGINEERING CONSULTANTS, LLC
1930 HARRISON STREET, SUITE 304
HOLLYWOOD, FL 33020 (954) 589-1729
WWW.FACADEVELOPE.COM

MANUEL MORALES JR. LICENSE
No 71643
STATE OF FLORIDA
PROFESSIONAL ENGINEER
MANUEL MORALES JR., P.E.
FL. Reg # 71643

17TH & WEST AVENUE
1220 17TH STREET
MIAMI BEACH, FLORIDA 33139

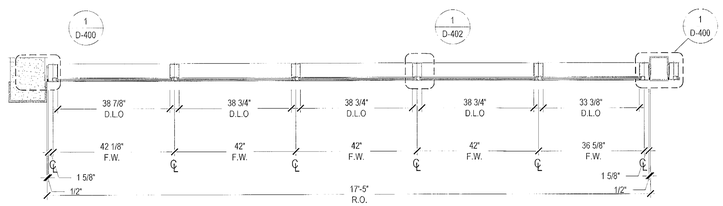
| REVISION N° | DATE | DESCRIPTION |
|---|---|---|
| 1 | 12. 15. 2017 | SHOP DRAWINGS FIRST SUBMITTAL GROUND FLOOR |
| 2 | 12. 20. 2017 | FIRST SUBMITTAL UPDATE |
| 3 | 01. 22. 2018 | SHOP DRAWINGS FIRST RESUBMITTAL |
| 4 | 04.24.2018 | RESUBMITTAL UPDATE |
| 5 | 05.16.2018 | RESUBMITTAL PER BULLETIN #1 2018.04.10 |
| 6 | 06.12. 2018 | RESUBMITTAL PER FEEC 06012018.JJ |

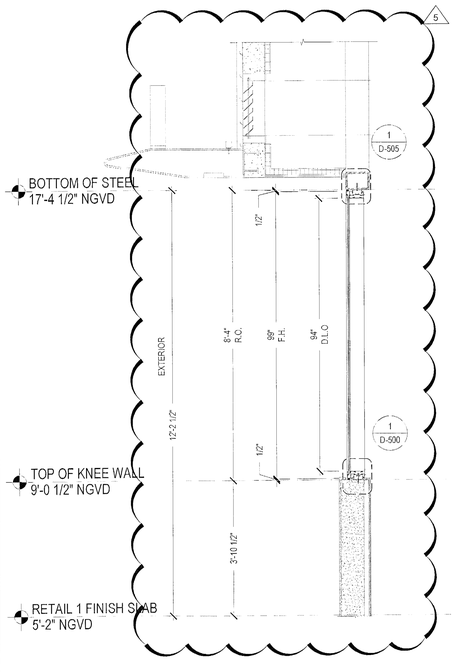
PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1 2" = 1'-0"
CONTENT:
WINDOWS WALL
ELEVATION SYSTEM

SHEET:
WE-301.1

REVIEWED
CITY OF MIAMI BEACH
FIRE DEPARTMENT

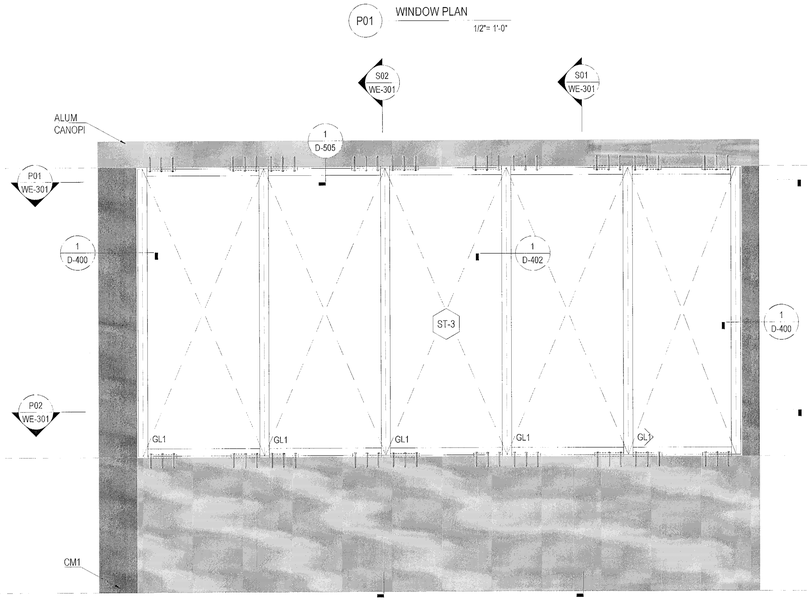
MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE




S01 WINDOW SECTION 1/2"= 1'-0"

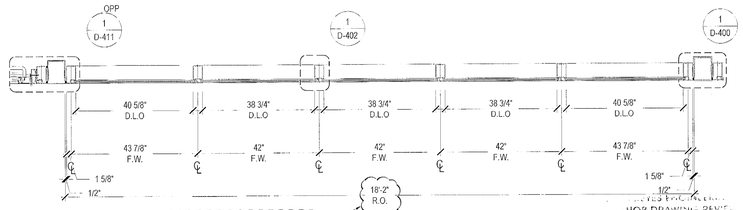
S02 WINDOW SECTION 1/2"= 1'-0"

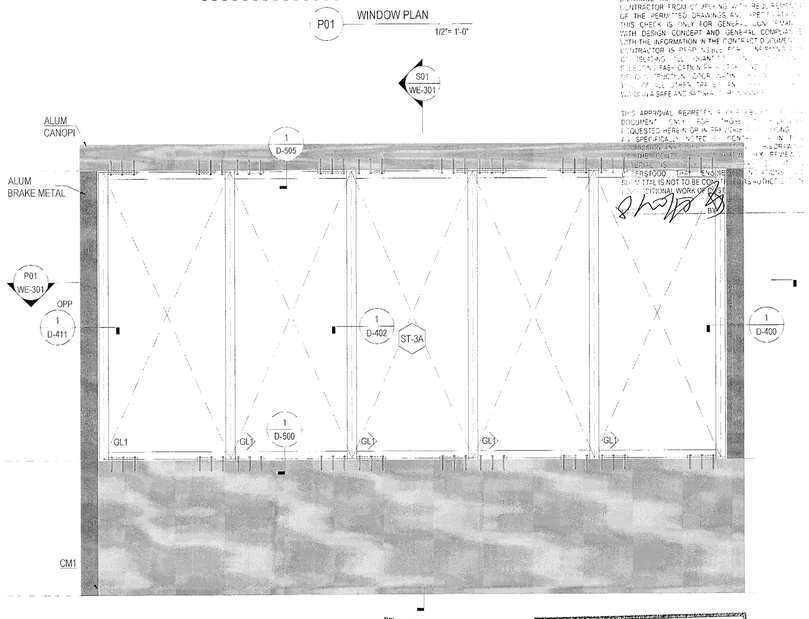



ST-3 WINDOW ELEVATION
SYSTEM: ES-7000 1/2"= 1'-0"

LOADS: + 64.8 p.s.f.
- 70.3 p.s.f.

| MARK COUNT | | |
|---|---|---|
| LEVEL | QTY | FACADE |
| LEVEL 1 | 2 | BE-200 |




ST-3A WINDOW ELEVATION
SYSTEM: ES-7000 1/2"= 1'-0"

"REVIEWED and APPROVED
FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING
and ENVIRONMENTAL LLC

LOADS: + 64.8 p.s.f.
- 70.3 p.s.f.

| MARK COUNT | | |
|---|---|---|
| LEVEL | QTY | FACADE |
| LEVEL 1 | 1 | BE-200 |

Stantec
Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131
REVIEW. NO EXCEPTIONS NOTED
Dated 8/31/18 By

SHOP DRAWING REVIEW
APPROVED
APPROVED AS NOTED
CORRECTIONS AND COMMENTS MADE ON THE SHOP DRAWINGS DURING THE REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLYING WITH REQUIREMENTS OF THE PERMITTED DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE INFORMATION IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, FABRICATING PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING WORK IN A SAFE AND SATISFACTORY MANNER.
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BY

ST-3A WINDOW ELEVATION
SYSTEM: ES-7000 1/2"= 1'-0"

REVIEWED
CITY OF MIAMI BEACH
FIRE DEPARTMENT

1501 WEST VENTURES LLC
19501 Biscayne Boulevard, Suite 400
Aventura, FL 33180
T: (305) 914-8207

ARCHITECT:
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One Biscayne Tower Suite 1670
2 South Biscayne Boulevard
Miami, FL 33131-1804
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GENERAL CONTRACTOR:
GRYCON
Building with Precision
GRYCON LLC
4101 Ravenswood RD Suite 325
Dania Beach, FL 33312
954-626-0451

WINDOW MANUFACTURER:
GM&P Consulting and Glazing Contractors,Inc
3550 NW 49th street
Miami, FL 33142 EE.UU
Tel: 305-638-5151
Fax: 305-638-5155

SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S.
Cra 8 BIS Gb OF. 901
Smart Office Center
Barranquilla, Colombia

FAÇADE+ENVELOPE
ENGINEERING CONSULTANTS, LLC
1930 HARRISON STREET, SUITE 204
HOLLYWOOD, FL 33020 (954) 989-1729
WWW.FACADEENVELOPE.COM
CA# 30168

REVIEWED FOR
STRUCTURAL COMPLIANCE
ONLY BY

MANUEL MORALES
LICENSE
No 71643
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

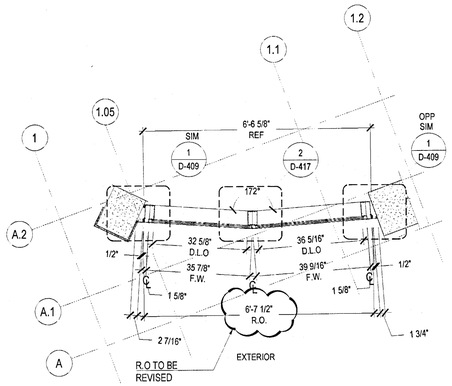
17TH & WEST AVENUE
1220 17TH STREET
MIAMI BEACH, FLORIDA 33139

| REVISION N°1 | DATE | DESCRIPTION |
|---|---|---|
| A | 12.15.2017 | SHOP DRAWINGS FIRST SUBMITTAL GROUND FLOOR |
| B | 12.26.2017 | FIRST SUBMITTAL UPDATE |
| C | 01.22.2018 | SHOP DRAWINGS FIRST RESUBMITTAL |
| D | 04.24.2018 | RESUBMITTAL UPDATE |
| E | 05.16.2018 | RESUBMITTAL PER BULLETIN #: 2018.04.10 |
| F | 06.12.2018 | RESUBMITTAL PER FEEC 06012018 JJ |

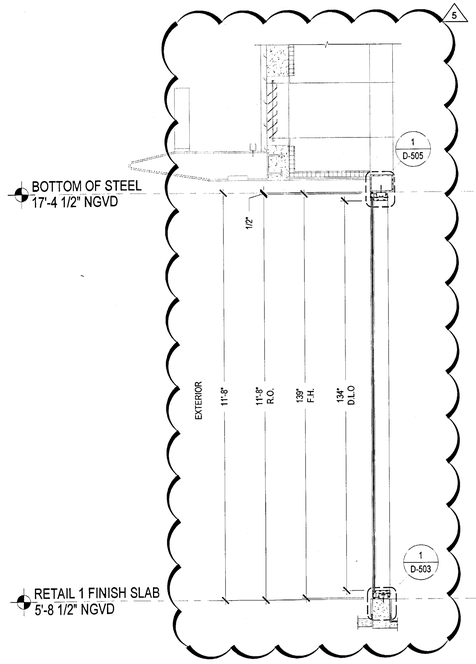
PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1/2" = 1'-0"
CONTENT:
WINDOWS WALL
ELEVATION SYSTEM

SHEET:
WE-301

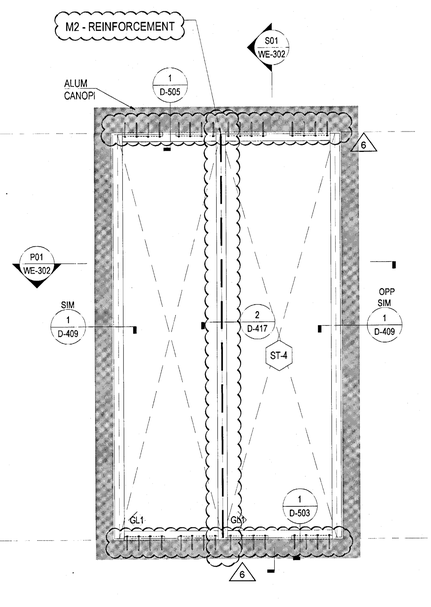
MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE




P01 WINDOW PLAN 1/2"= 1'-0"



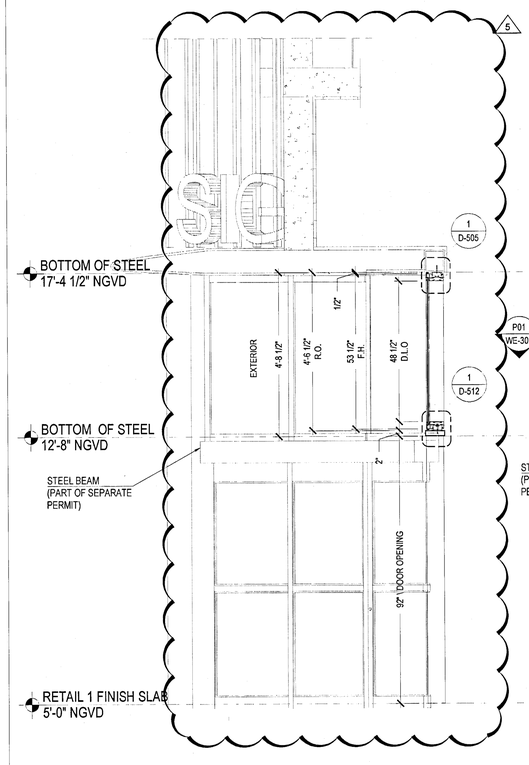

S01 WINDOW SECTION 1/2"= 1'-0"



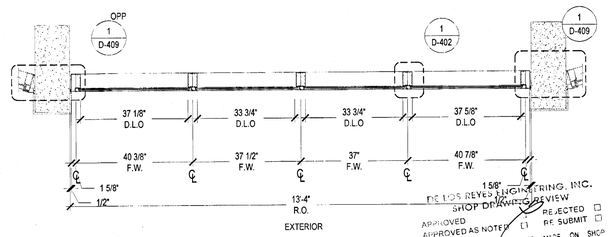

ST-4 WINDOW ELEVATION
SYSTEM: ES-7000 1/2"= 1'-0"

| LOADS: + 64.8 p.s.f. - 86.8 p.s.f. |
|---|

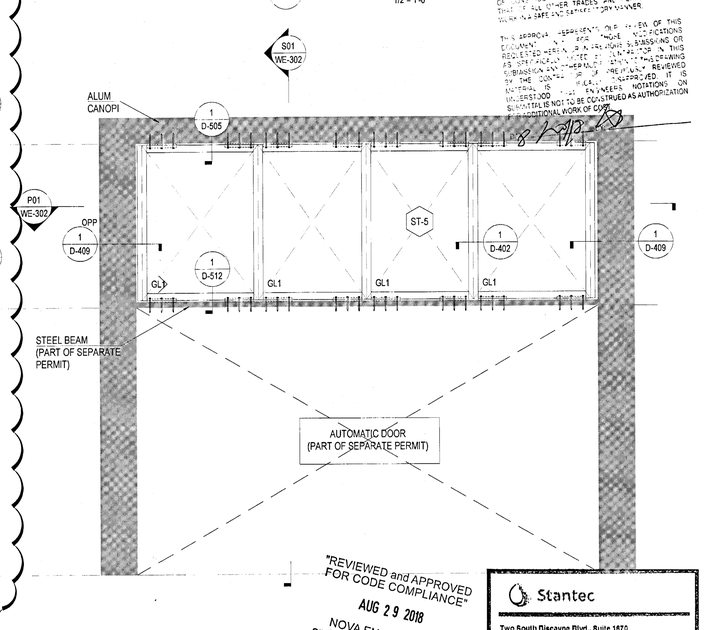
| MARK COUNT | | |
|---|---|---|
| LEVEL | QTY | FACADE |
| LEVEL 1 | 1 | BE-200 |




S01 WINDOW SECTION 1/2"= 1'-0"




P01 WINDOW PLAN 1/2"= 1'-0"




ST-5 WINDOW ELEVATION
SYSTEM: ES-7000 1/2"= 1'-0"

| LOADS: + 64.8 p.s.f. - 86.8 p.s.f. |
|---|

| MARK COUNT | | |
|---|---|---|
| LEVEL | QTY | FACADE |
| LEVEL 1 | 1 | BE-200 |

"REVIEWED and APPROVED FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING and ENVIRONMENTAL LLC

Stantec
Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131
REVIEW. NO EXCEPTIONS NOTED
Dated 8/29/18 By D.G

REVIEWED
CITY OF MIAMI BEACH
FIRE DEPARTMENT

ENGINEERING, INC.
SHOP DRAWING REVIEW
APPROVED
APPROVED AS NOTED
REJECTED
RE-SUBMIT

1681 WEST VENTURES LLC
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Aventura, FL 33180
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C#A 30166

MANUEL MORENO
LICENSE
No 71643
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
MANUEL MORENO, P.E.
PE No. # 71643

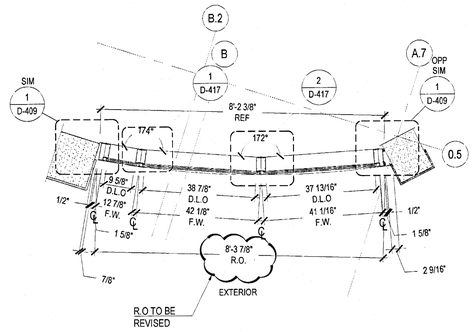
**17TH & WEST AVENUE**
**1220 17TH STREET**
**MIAMI BEACH, FLORIDA 33139**

| REVISION N° | DATE | DESCRIPTION |
|---|---|---|
| A | 12.15.2017 | SHOP DRAWINGS FIRST SUBMITTAL GROUND FLOOR |
| A1 | 12.28.2017 | FIRST SUBMITTAL UPDATE |
| A2 | 01.22.2018 | SHOP DRAWINGS FIRST RESUBMITTAL |
| A3 | 04.24.2018 | RESUBMITTAL UPDATE |
| A4 | 05.16.2018 | RESUBMITTAL PER BULLETIN # : 2018.04-10 |
| B | 06.12.2018 | RESUBMITTAL PER FEEC U6012018 JJ |

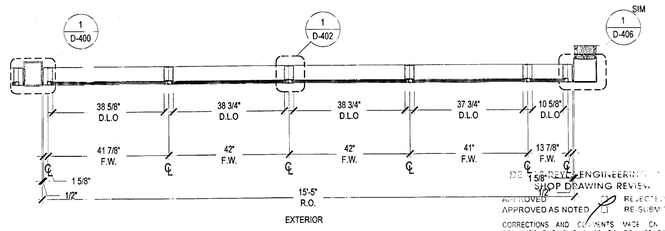
PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1/2" = 1'-0"
CONTENT:
WINDOWS WALL ELEVATION SYSTEM

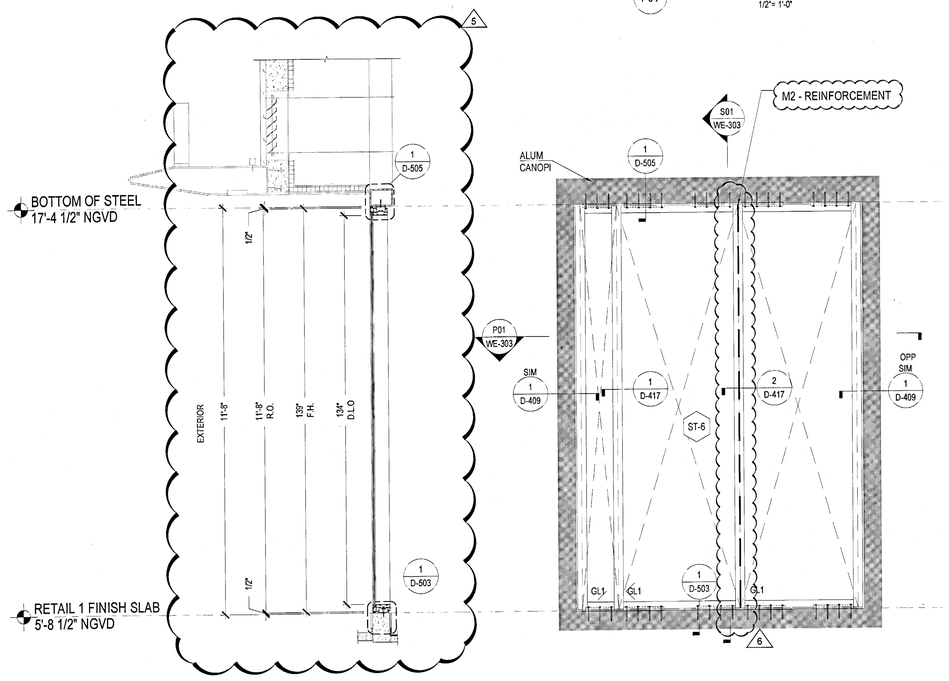
SHEET:
WE-302

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE




P01 WINDOW PLAN 1/2"= 1'-0"



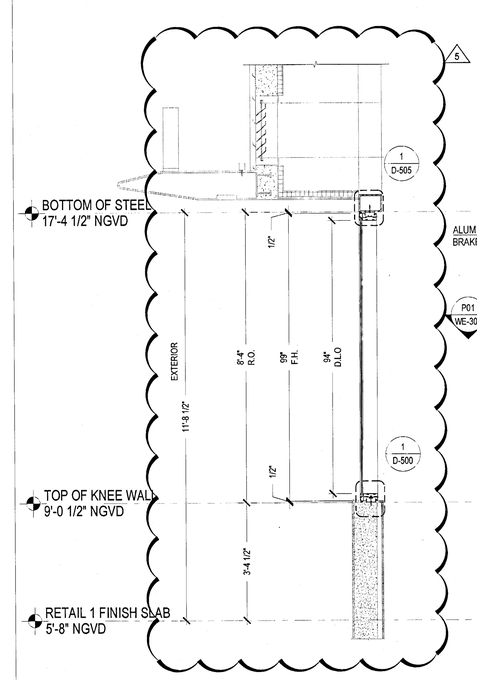




S01 WINDOW SECTION 1/2"= 1'-0"

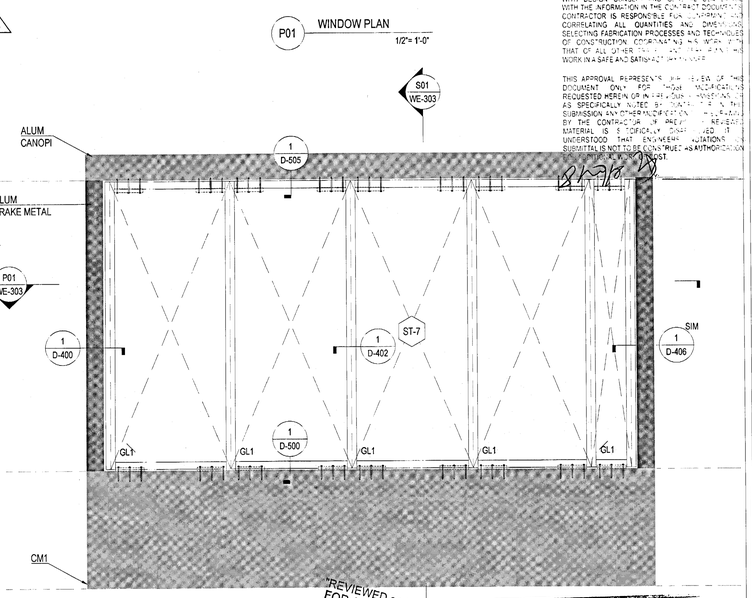
ST-6 WINDOW ELEVATION SYSTEM: ES-7000 1/2"= 1'-0"

| MARK COUNT | | |
|---|---|---|
| LEVEL | QTY | FACADE |
| LEVEL 1 | 1 | BE-200 |

LOADS: + 64.8 p.s.f.
- 86.8 p.s.f.




S01 WINDOW SECTION 1/2"= 1'-0"




ST-7 WINDOW ELEVATION SYSTEM: ES-7000 1/2"= 1'-0"

| MARK COUNT | | |
|---|---|---|
| LEVEL | QTY | FACADE |
| LEVEL 1 | 1 | BE-200 |

LOADS: + 64.8 p.s.f.
- 70.3 p.s.f.

"REVIEWED and APPROVED FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING and ENVIRONMENTAL LLC

Stantec
Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131
REVIEW. NO EXCEPTIONS NOTED
Dated 8/31/18 By

REVIEWED
CITY OF MIAMI BEACH
FIRE DEPARTMENT

1681 WEST VENTURES LLC.
19501 Biscayne Boulevard, Suite 400
Aventura, FL 33180
T: (305) 914-8207

ARCHITECT:
Stantec
STANTEC ARCHITECTURE INC.
One Biscayne Tower Suite 1670
2 South Biscayne Boulevard
Miami, FL 33131-1804
T: (305) 482-8700 Fax: (305) 482-8770

GENERAL CONTRACTOR:
GRYCON
Building with Precision
GRYCON LLC
4101 Ravenswood RD Suite 325
Dania Beach, FL 33312
954-626-0451

WINDOW MANUFACTURER:
gmp
GM&P Consulting and Glazing Contractors,Inc
3550 NW 49th street
Miami, FL 33142 EE.UU
Tel: 305-638-5151
Fax: 305-638-5155

SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S.
Cr51 S 80-58 OF. 801
Smart Office Center
Barranquilla, Colombia

FAÇADE+ENVELOPE
ENGINEERING CONSULTANTS, LLC
1930 HARRISON STREET, SUITE 204
HOLLYWOOD, FL 33020 (954) 589-1729
WWW.FACADENVELOPE.COM
C#A# 30168

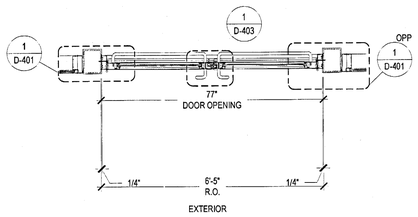
MANUEL MORALES
LICENSED
No 71643
STATE OF FLORIDA
PROFESSIONAL ENGINEER
MANUEL MORALES, P.E.
FL. Reg # 71643

17TH & WEST AVENUE
1220 17TH STREET
MIAMI BEACH, FLORIDA 33139

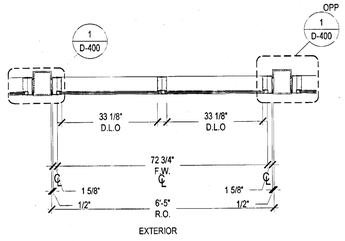
| REVISION N° | DATE | DESCRIPTION |
|---|---|---|
| 1 | 12. 15. 2017 | SHOP DRAWINGS FIRST SUBMITTAL GROUND FLOOR |
| 2 | 12. 29. 2017 | FIRST SUBMITTAL UPDATE |
| 3 | 01. 22. 2018 | SHOP DRAWINGS FIRST RESUBMITTAL |
| 4 | 04.24.2018 | RESUBMITTAL UPDATE |
| 5 | 05.16.2018 | RESUBMITTAL PER BULLETIN #1 2018.04.10 |
| 6 | 05.12. 2018 | RESUBMITTAL PER FEEC-06012018 JJ |

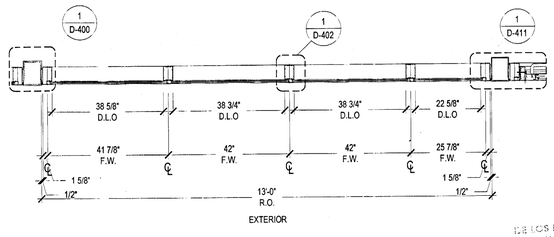
PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1/2" = 1'-0"
CONTENT:
WINDOWS WALL ELEVATION SYSTEM
SHEET:
WE-303

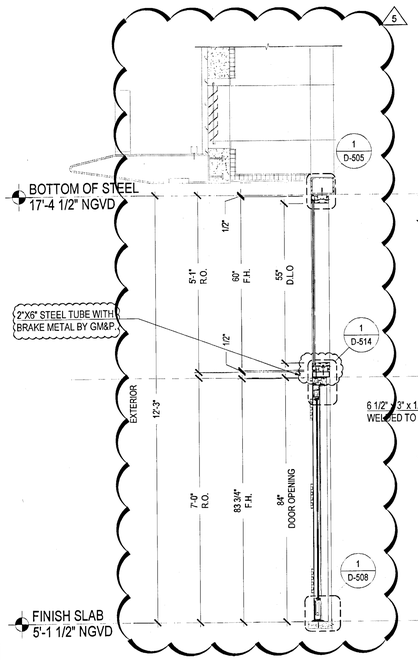
MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE




P02 WINDOW PLAN 1/2"= 1'-0"

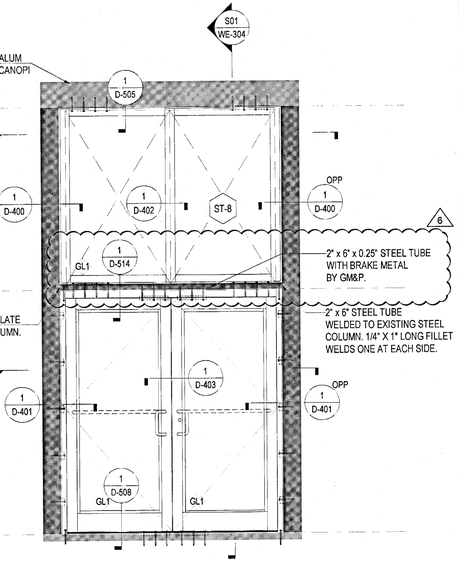



S01 WINDOW SECTION 1/2"= 1'-0"

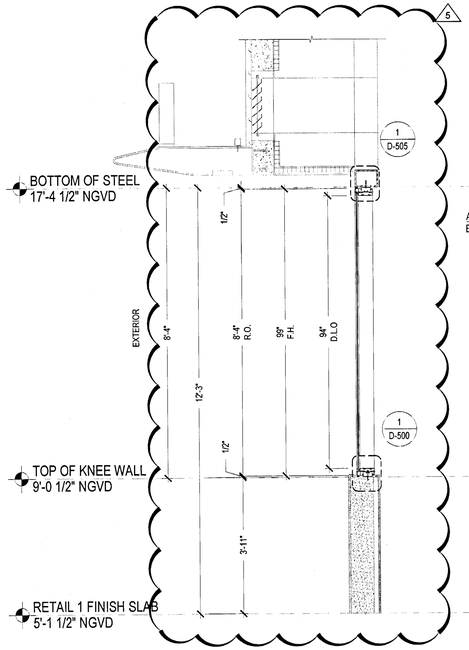
P01 WINDOW PLAN 1/2"= 1'-0"




ST-8 WINDOW ELEVATION
SYSTEM: ES-7000 - ES-9000 1/2"= 1'-0"

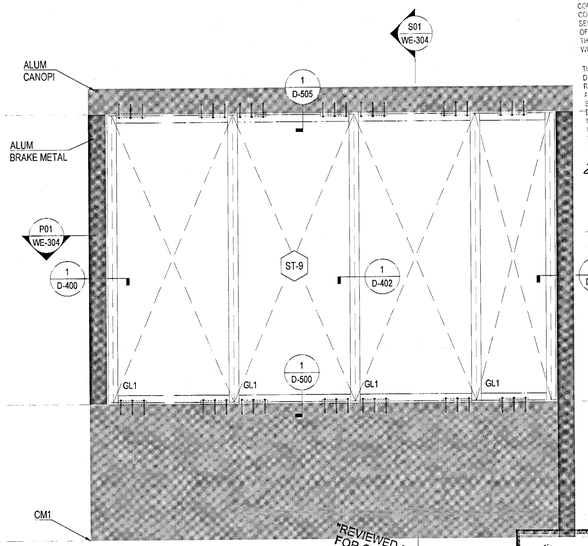
LOADS: + 61.0 p.s.f.
- 66.5 p.s.f.

| MARK COUNT | | |
|---|---|---|
| LEVEL | QTY | FACADE |
| LEVEL 1 | 1 | BE-200 |




S01 WINDOW SECTION 1/2"= 1'-0"

P01 WINDOW PLAN 1/2"= 1'-0"




ST-9 WINDOW ELEVATION
SYSTEM: ES-7000 1/2"= 1'-0"

LOADS: + 64.8 p.s.f.
- 86.8 p.s.f.

| MARK COUNT | | |
|---|---|---|
| LEVEL | QTY | FACADE |
| LEVEL 1 | 1 | BE-200 |

ICE ICOS REYES ENGINEERING, INC.
SHOP DRAWING REVIEW
APPROVED ☐ REJECTED ☐
APPROVED AS NOTED ☐ RE-SUBMIT ☐

CORRECTIONS AND COMMENTS MADE ON SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLYING WITH REQUIREMENTS OF THE PERMITTED DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT OF THE CONTRACT DOCUMENTS. WITH THE INFORMATION IN THE CONTRACT DOCUMENTS, CONTRACTOR IS RESPONSIBLE FOR ALL MARKINGS AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.

THIS APPROVAL REPRESENTS ONLY [illegible] EW OF THIS DOCUMENT ONLY FOR THOSE [illegible] DIFICATIONS REQUESTED HEREIN OR IN PREVIOUS SUBMISSIONS. [illegible] AS SPECIFICALLY NOTED BY CLIENT OR IN THIS SUBMISSION AND OTHER JURISDICTIONAL [illegible] THIS DRAWING BY THE CONTRACTOR OR [illegible] OF REVIEWED IT IS UNDERSTOOD [illegible] THAT ENGINEERS NOTATIONS ON SUBMITTAL IS NOT TO BE CONSTRUED AS AUTHORIZATION FOR ADDITIONAL WORK OF CHANGE.

BY

"REVIEWED and APPROVED FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING and ENVIRONMENTAL LLC

Stantec
Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131
REVIEW NO EXCEPTIONS NOTED
Dated 8/29/18 By R.G.

REVIEWED
CITY OF MIAMI BEACH
FIRE DEPARTMENT

1661 WEST VENTURES LLC.
19501 Biscayne Boulevard, Suite 400
Aventura, FL 33180
T: (305) 914-8207

ARCHITECT:
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STANTEC ARCHITECTURE INC.
One Biscayne Tower Suite 1670
2 South Biscayne Boulevard
Miami, FL 33131-1804
T: (305) 482-8700 Fax: (305) 482-8770

GENERAL CONTRACTOR:
GRYCON
Building with Precision
GRYCON LLC
4101 Ravenswood RD Suite 325
Dania Beach, FL 33312
954-626-0451

WINDOW MANUFACTURER:
gmp
GM&P Consulting and Glazing Contractors,Inc
3950 NW 48th street
Miami, FL 33142 EE.UU
Tel: 305-638-5151
Fax: 305-638-5158

SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S.
C/51 B 80-58 OF. 901
Smart Office Center
Barranquilla, Colombia

FAÇADE+ENVELOPE
ENGINEERING CONSULTANTS, LLC
1930 HARRISON STREET, SUITE 204
HOLLYWOOD, FL 33020 (954) 599-1729
WWW.FACADENVELOPE.COM
CA# 30168

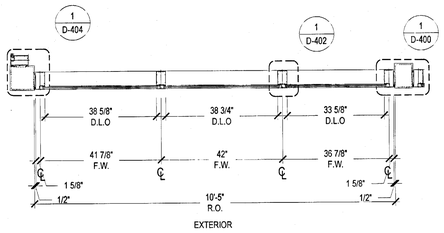
REVIEWED FOR
STRUCTURAL CONFORMANCE
MANUEL MORALES
LICENSED
No 71843
STATE OF FLORIDA
REGISTERED
PROFESSIONAL ENGINEER

17TH & WEST AVENUE
1220 17TH STREET
MIAMI BEACH, FLORIDA 33139

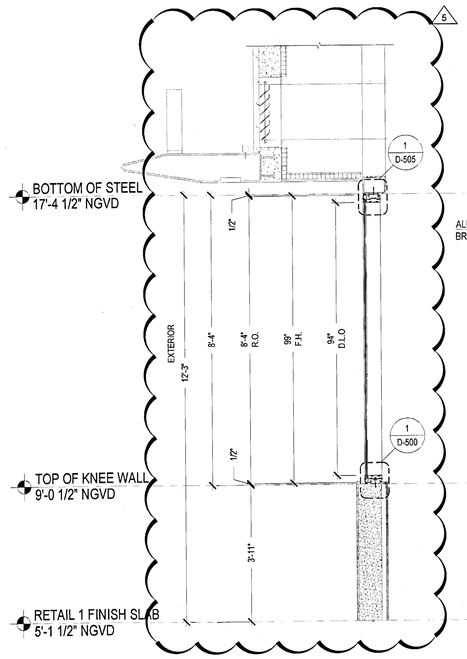
| REVISION N° | DATE | DESCRIPTION |
|---|---|---|
| 1 | 12.15.2017 | SHOP DRAWINGS FIRST SUBMITTAL GROUND FLOOR |
| 2 | 12.26.2017 | FIRST SUBMITTAL UPDATE |
| 3 | 01.22.2018 | SHOP DRAWINGS FIRST RESUBMITTAL |
| 4 | 04.24.2018 | RESUBMITTAL UPDATE |
| 5 | 05.16.2018 | RESUBMITTAL PER BULLETIN #1 2018.05.10 |
| 6 | 06.12.2018 | RESUBMITTAL PER FEEC-06012018 JJ |

PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1/2" = 1'-0"
CONTENT:
WINDOWS WALL
ELEVATION SYSTEM
SHEET:
WE-304

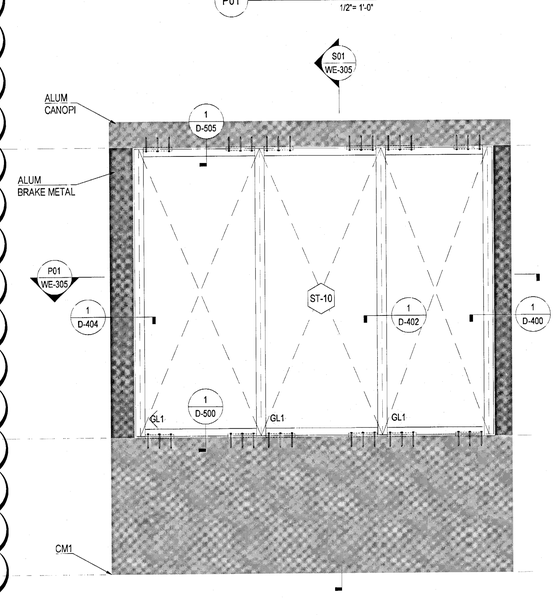
MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE




EXTERIOR




P01 WINDOW PLAN 1/2"= 1'-0"

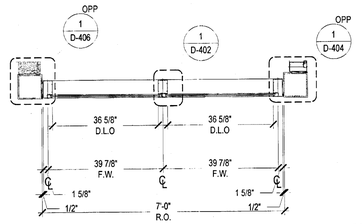



S01 WINDOW SECTION 1/2"= 1'-0"

ST-10 WINDOW ELEVATION SYSTEM: ES-7000 1/2"= 1'-0"

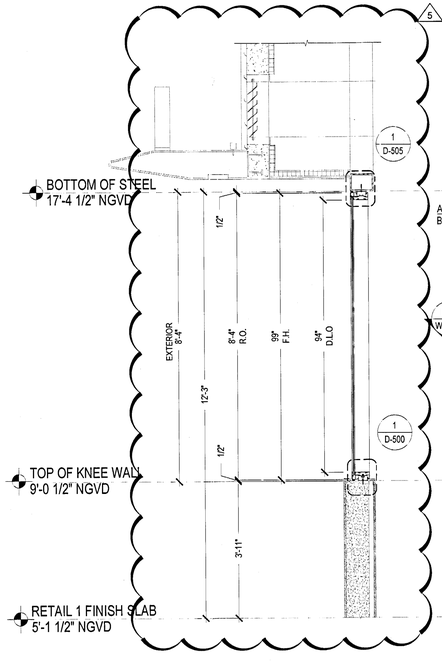
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- 86.8 p.s.f.

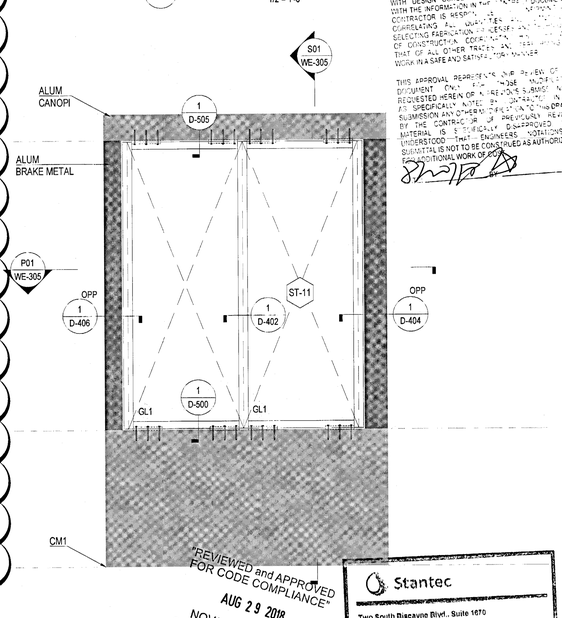
| MARK COUNT | | |
|---|---|---|
| LEVEL | QTY | FACADE |
| LEVEL 1 | 1 | BE-200 |




EXTERIOR

P01 WINDOW PLAN 1/2"= 1'-0"




S01 WINDOW SECTION 1/2"= 1'-0"

ST-11 WINDOW ELEVATION SYSTEM: ES-7000 1/2"= 1'-0"

LOADS: + 64.8 p.s.f.
- 86.8 p.s.f.

| MARK COUNT | | |
|---|---|---|
| LEVEL | QTY | FACADE |
| LEVEL 1 | 1 | BE-200 |

LUIS REYES ENGINEERING, INC.
SHOP DRAWING REVIEW
APPROVED ☐ REJECTED ☐
APPROVED AS NOTED ☐ RESUBMIT ☐
CORRECTIONS AND COMMENTS MADE ON SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLYING WITH REQUIREMENTS OF THE PERMITTED DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE INFORMATION IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.
THIS APPROVAL REPRESENTS ONLY REVIEW OF THIS DOCUMENT ONLY. ANY DEVIATIONS FROM THE REQUIREMENTS SHOWN OR NOTES STATED HEREIN OR ANY REVISIONS SHOWN ON THIS DRAWING NOT SPECIFICALLY NOTED BY CONTRACTOR IN THIS SUBMISSION AND OTHERWISE REVIEWED BY THE CONTRACTOR OR PREVIOUSLY REVIEWED BY THE CONTRACTOR AND APPROVED IT IS MATERIAL IS STRICTLY ENGINEERS NOTATIONS ON UNDERSTOOD THAT ENGINEERS NOTATIONS ON SUBMITTAL IS NOT TO BE CONSTRUED AS AUTHORIZATION FOR ADDITIONAL WORK OR CHANGE.

"REVIEWED and APPROVED FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING and ENVIRONMENT, LLC

Stantec
Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131
☐ REVIEW. NO EXCEPTIONS NOTED
Dated 8/9/18 By R.G

REVIEWED
CITY OF MIAMI BEACH
RPP DEPARTMENT

1661 WEST VENTURES LLC.
19501 Biscayne Boulevard, Suite 400
Aventura, FL 33180
T: (305) 914-8207

ARCHITECT:
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STANTEC ARCHITECTURE INC.
One Biscayne Tower Suite 1670
2 South Biscayne Boulevard
Miami, FL 33131-1804
T: (305) 482-8700 Fax: (305) 482-8770

GENERAL CONTRACTOR:
GRYCON
Building with Precision
GRYCON LLC
4101 Ravenswood RD Suite 325
Dania Beach, FL 33312
954-626-0451

WINDOW MANUFACTURER:
gmp
GM&P Consulting and Glazing Contractors,Inc
3050 NW 48th street
Miami, FL 33142 EE.UU
Tel: 305-638-5151
Fax: 305-638-5158

SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S.
C/51 B 80-58 OF. 901
Smart Office Center
Barranquilla, Colombia

FAÇADE+ENVELOPE
ENGINEERING CONSULTANTS, LLC
1930 HARRISON STREET, SUITE 204
HOLLYWOOD, FL 33020 | 786 589-1729
www.facade-envelope.com

MANUEL MORALES
FLORIDA
No. 71643
STATE OF
PROFESSIONAL ENGINEER
MANUEL MORALES, P.E.
FL. Reg # 71643

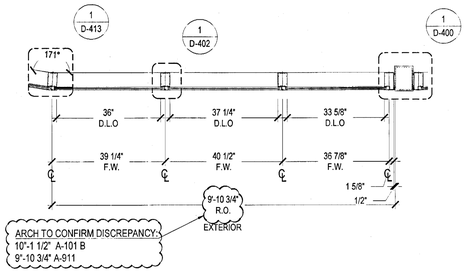
17TH & WEST AVENUE
1220 17TH STREET
MIAMI BEACH, FLORIDA 33139

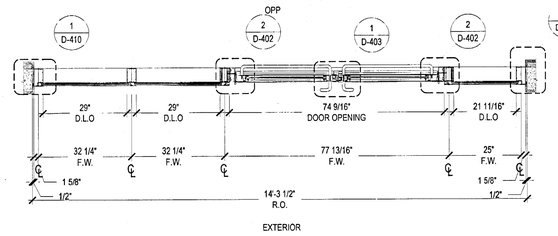
| REVISION N° | DATE | DESCRIPTION |
|---|---|---|
| 1 | 12. 15. 2017 | SHOP DRAWINGS FIRST SUBMITTAL GROUND FLOOR |
| 2 | 12. 26. 2017 | FIRST SUBMITTAL UPDATE |
| 3 | 01. 22. 2018 | SHOP DRAWINGS FIRST RESUBMITTAL |
| 4 | 04.24.2018 | RESUBMITTAL UPDATE |
| 5 | 05.18.2018 | RESUBMITTAL PER BULLETIN #: 2018.04.-U |
| 6 | 06.12.2018 | RESUBMITTAL PER FEEC 7501201# JU |

PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1/2" = 1'-0"
CONTENT:
WINDOWS WALL
ELEVATION SYSTEM

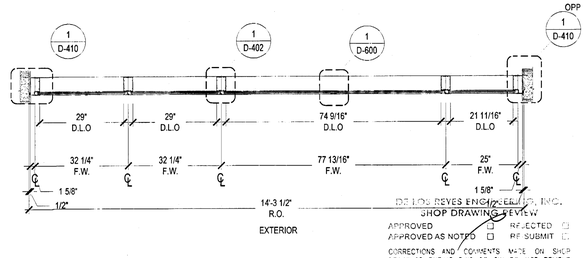
SHEET:
WE-305

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE

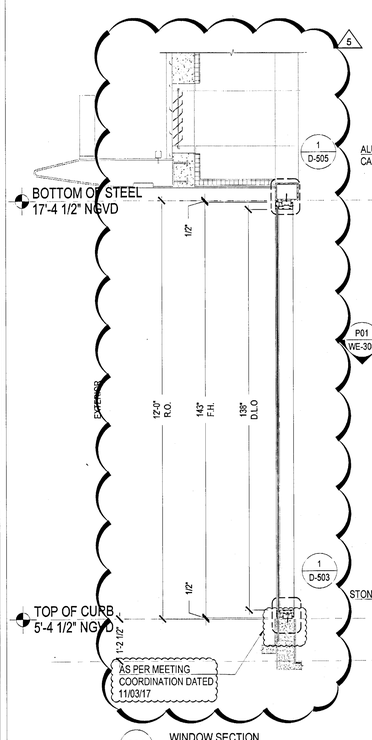


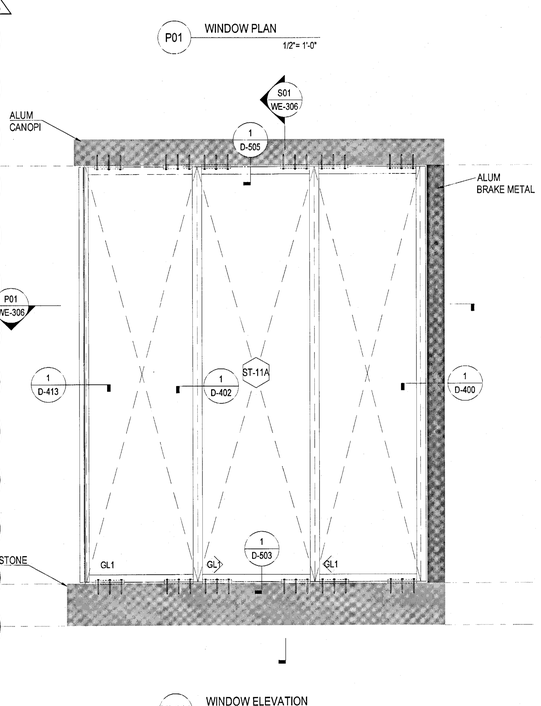

P02 WINDOW PLAN 1/2"= 1'-0"



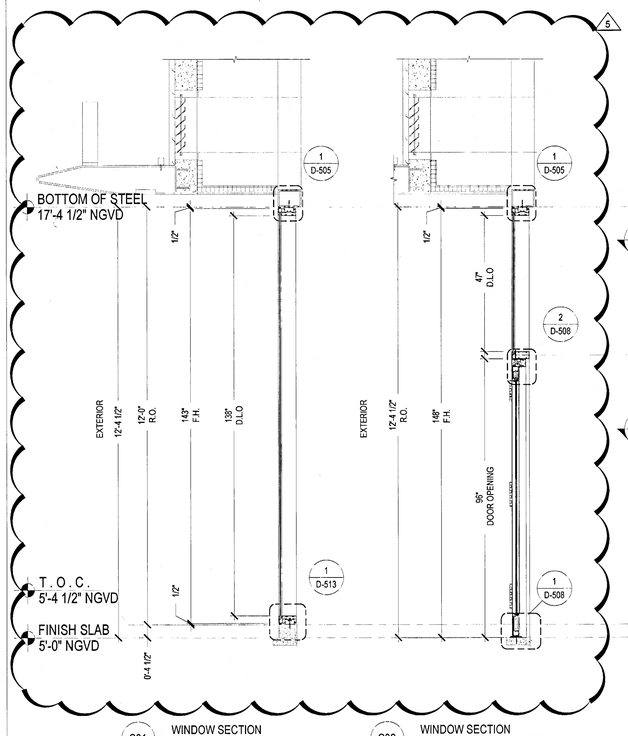

P01 WINDOW PLAN 1/2"= 1'-0"




S01 WINDOW SECTION 1/2"= 1'-0"

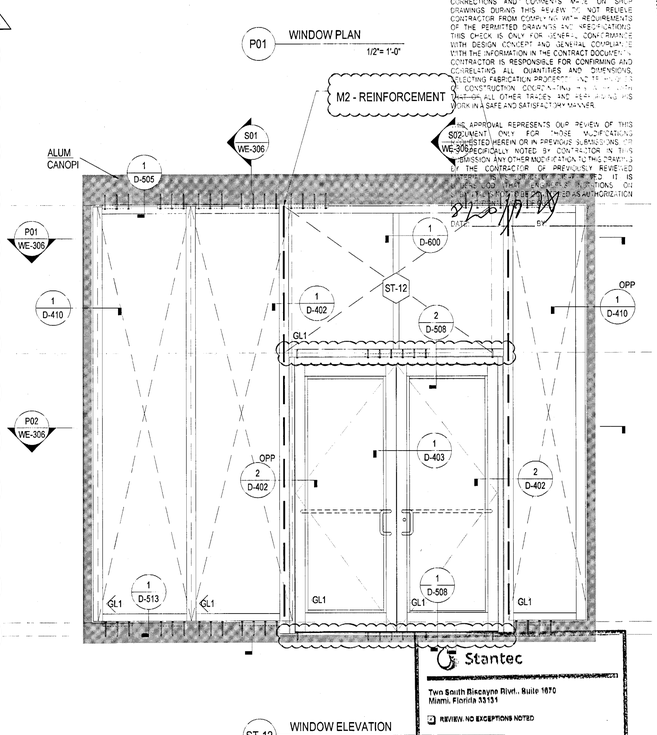



ST-11A WINDOW ELEVATION SYSTEM: ES-7000 1/2"= 1'-0"




S01 WINDOW SECTION 1/2"= 1'-0"

S02 WINDOW SECTION 1/2"= 1'-0"




ST-12 WINDOW ELEVATION SYSTEM: ES-7000 - ES-9000 1/2"= 1'-0"

LOADS: + 64.8 p.s.f.
- 70.3 p.s.f.

| MARK COUNT | | |
|---|---|---|
| LEVEL | QTY | FACADE |
| LEVEL 1 | 1 | BE-201 |

LOADS: + 64.8 p.s.f.
- 86.8 p.s.f.

| MARK COUNT | | |
|---|---|---|
| LEVEL | QTY | FACADE |
| LEVEL 1 | 1 | BE-201 |

DELTA-DEYES ENGINEERING, INC.
SHOP DRAWING REVIEW

APPROVED ☐ REJECTED ☐
APPROVED AS NOTED ☐ RE-SUBMIT ☐

CORRECTIONS AND COMMENTS MADE ON SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLYING WITH REQUIREMENTS OF THE PERMITTED DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE INFORMATION IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING THE WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING THE WORK IN A SAFE AND SATISFACTORY MANNER.

APPROVAL REPRESENTS OUR REVIEW OF THIS DOCUMENT ONLY FOR THOSE MODIFICATIONS SUBMITTED HEREIN OR IN PREVIOUS SUBMISSIONS TO WE-306 SPECIFICALLY NOTED BY CONTRACTOR IN THIS SUBMISSION. ANY OTHER MODIFICATION TO THE DRAWINGS OR THE CONTRACTOR OF PREVIOUSLY REVIEWED ITEMS IS NOT APPROVED UNLESS SPECIFICALLY REVIEWED AND AUTHORIZED BY US.

BY: [signature] DATE: 8/9/18

Stantec
Two South Biscayne Blvd., Suite 1870
Miami, Florida 33131
REVIEW, NO EXCEPTIONS NOTED
1/2"= 1'-0"
Dated 8/9/18 By [signature]

"REVIEWED and APPROVED FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING and ENVIRONMENTAL LLC

REVIEWED
CITY OF MIAMI BEACH
FIRE DEPARTMENT

1691 WEST VENTURES LLC.
19501 Biscayne Boulevard, Suite 400
Aventura, FL 33180
T: (305) 914-8207

ARCHITECT:
Stantec
STANTEC ARCHITECTURE INC.
One Biscayne Tower Suite 1870
2 South Biscayne Boulevard
Miami, FL 33131-1804
T: (305) 482-8700 Fax: (305) 482-8770

GENERAL CONTRACTOR:
GRYCON
Building with Precision
GRYCON LLC
4101 Ravenswood RD Suite 325
Dania Beach, FL 33312
954-525-0451

WINDOW MANUFACTURER:
gmp
GM&P Consulting and Glazing Contractors,Inc
3550 NW 49th street
Miami, Fl. 33142 EE UU
Tel: 305-638-5151
Fax: 305-638-5158

SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S.
Cr51 B 80-58 OF. 901
Smart Office Center
Barranquilla, Colombia

FAÇADE+ENVELOPE
ENGINEERING CONSULTANTS, LLC
1930 HARRISON STREET, SUITE 204
HOLLYWOOD, FL 33020 (954) 599-1729
WWW.FACADENVELOPE.COM
CA# 30168

REVIEWED FOR
STRUCTURAL COMPLIANCE
BY
MANUEL MORALES LICENSE No 71643 STATE OF FLORIDA PROFESSIONAL ENGINEER
MANUEL MORALES, P.E.
LICENSE #71643

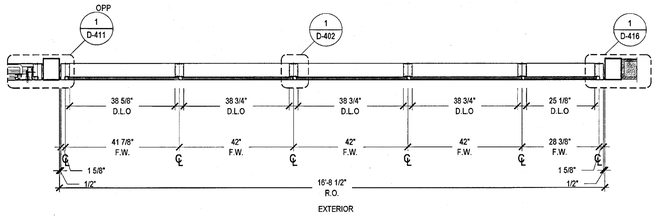
17TH & WEST AVENUE
1220 17TH STREET
MIAMI BEACH, FLORIDA 33139

| REVISION N° | DATE | DESCRIPTION |
|---|---|---|
| A | 12. 15. 2017 | SHOP DRAWINGS FIRST SUBMITTAL GROUND FLOOR |
| A | 12. 26. 2017 | FIRST SUBMITTAL UPDATE |
| A | 01. 22. 2018 | SHOP DRAWINGS FIRST RESUBMITTAL |
| A | 04.24.2018 | RESUBMITTAL UPDATE |
| A | 05.18.2018 | RESUBMITTAL PER BULLETIN #1 (2018.03.13) |
| A | 06.12.2018 | RESUBMITTAL PER FEEC 06012018 JJ |

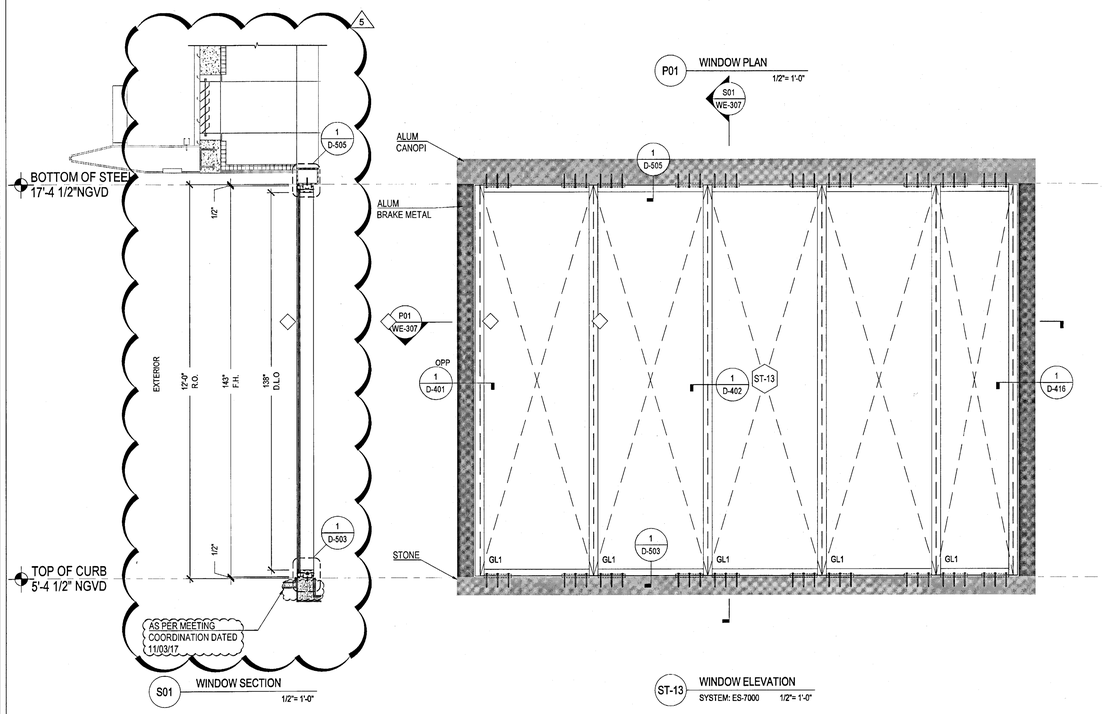
PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1/2" = 1'-0"
CONTENT:
WINDOWS WALL ELEVATION SYSTEM

SHEET #: WE-306

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE

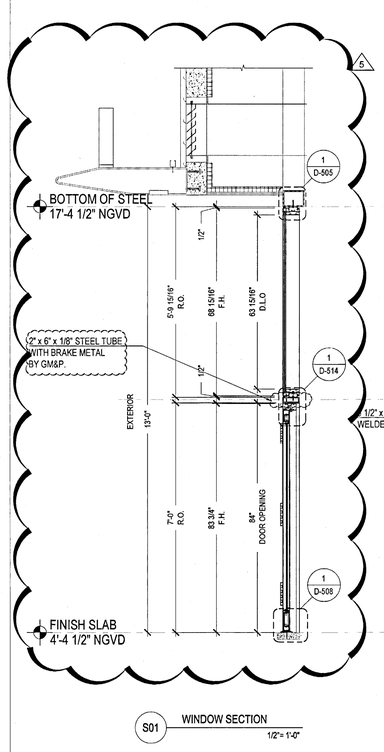


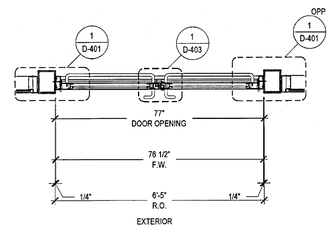

P01 WINDOW PLAN 1/2"= 1'-0"



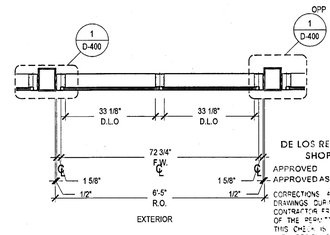

| LOADS: + 64.8 p.s.f. |
|---|
| - 70.3 p.s.f. |

| MARK COUNT | | |
|---|---|---|
| LEVEL | QTY | FACADE |
| LEVEL 1 | 1 | BE-201 |




P02 WINDOW PLAN 1/2"= 1'-0"




P01 WINDOW PLAN 1/2"= 1'-0"




| LOADS: + 61.7 p.s.f. |
|---|
| - 67.1 p.s.f. |

| MARK COUNT | | |
|---|---|---|
| LEVEL | QTY | FACADE |
| LEVEL 1 | 1 | BE-201 |

DE LOS REYES ENGINEERING, INC.
SHOP DRAWING REVIEW

APPROVED ☐ REJECTED ☐
APPROVED AS NOTED ☐ RE-SUBMIT ☐

CORRECTIONS AND COMMENTS MADE ON SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLIANCE WITH REQUIREMENTS OF THE PERTINENT DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE INFORMATION IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.

THE APPROVAL REPRESENTS THE REVIEW OF THIS DOCUMENT ONLY FOR THE SPECIFICATIONS REQUESTED HEREIN OR MARKED, AND ASSUMES OR STIPULATES THAT THESE SPECIFICATIONS AND/OR SUBMISSION ARE THOROUGHLY REVIEWED BY THE CONTRACTOR PRIOR TO SUBMISSION. REVIEWED MATERIAL IS NOT TO BE CONSTRUED AS APPROVED IT IS UNDERSTOOD THAT ENGINEER'S NOTATIONS ON SUBMITTAL IS NOT TO BE CONSTRUED AS AUTHORIZATION FOR ADDITIONAL WORK OR COST.

Stantec
Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131
REVIEW: NO EXCEPTIONS NOTED
Date: 8/9/18 By: D G

"REVIEWED and APPROVED FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING and ENVIRONMENTAL LLC

REVIEWED
CITY OF MIAMI BEACH
FIRE DEPARTMENT

1691 WEST VENTURES LLC.
19501 Biscayne Boulevard, Suite 400
Aventura, FL 33180
T: (305) 914-9307

ARCHITECT:
Stantec
STANTEC ARCHITECTURE INC.
One Biscayne Tower Suite 1670
2 South Biscayne Boulevard
Miami, FL 33131-1804
T: (305) 482-8700 Fax: (305) 482-8770

GENERAL CONTRACTOR:
GRYCON
Building with Precision
GRYCON LLC
4101 Ravenswood RD Suite 325
Dania Beach, FL 33312
954-626-0401

WINDOW MANUFACTURER:
gmp
GM&P Consulting and Glazing Contractors,Inc
3550 NW 49th street
Miami, FL 33142 EE.UU
Tel: 305-638-5151
Fax: 305-638-5156

SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S.
Cr61 B 80-58 Of. 901
Smart Office Center
Barranquilla, Colombia

FAÇADE+ENVELOPE
ENGINEERING CONSULTANTS, LLC
1930 HARRISON STREET, SUITE 204
HOLLYWOOD, FL 33020 (954) 589-1729
WWW.FACADEENVELOPE.COM
CA# 30188

PRODUCT APPROVAL
MANUFACTURER'S QUALIFIED
LICENSE
No 71643
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

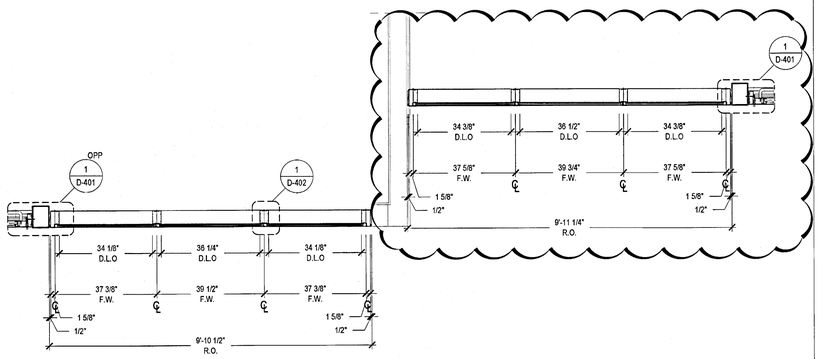
17TH & WEST AVENUE
1220 17TH STREET
MIAMI BEACH, FLORIDA 33139

| REVISION N° | DATE | DESCRIPTION |
|---|---|---|
| 1 | 12. 15. 2017 | SHOP DRAWINGS FIRST SUBMITTAL GROUND FLOOR |
| 2 | 12. 26. 2017 | FIRST SUBMITTAL UPDATE |
| 3 | 01. 22. 2018 | SHOP DRAWINGS FIRST RESUBMITTAL |
| 4 | 04.24.2018 | RESUBMITTAL UPDATE |
| 5 | 05.16.2018 | RESUBMITTAL PER BULLETIN #1 2018.04.10 |
| 6 | 06.12.2018 | RESUBMITTAL PER FEEC 06012018 JJ |

PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1 2" = 1'-0"
CONTENT:
WINDOWS WALL
ELEVATION SYSTEM

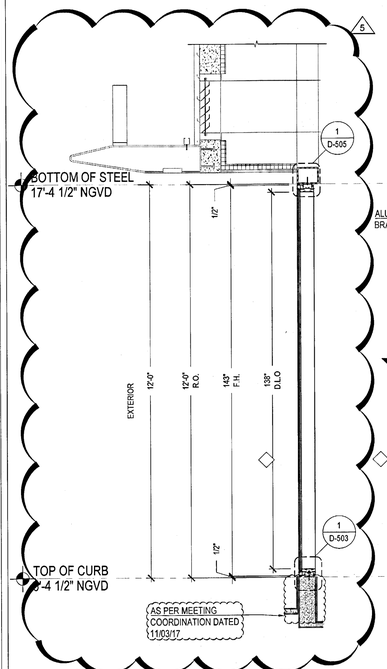
SHEET:
WE-307

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE

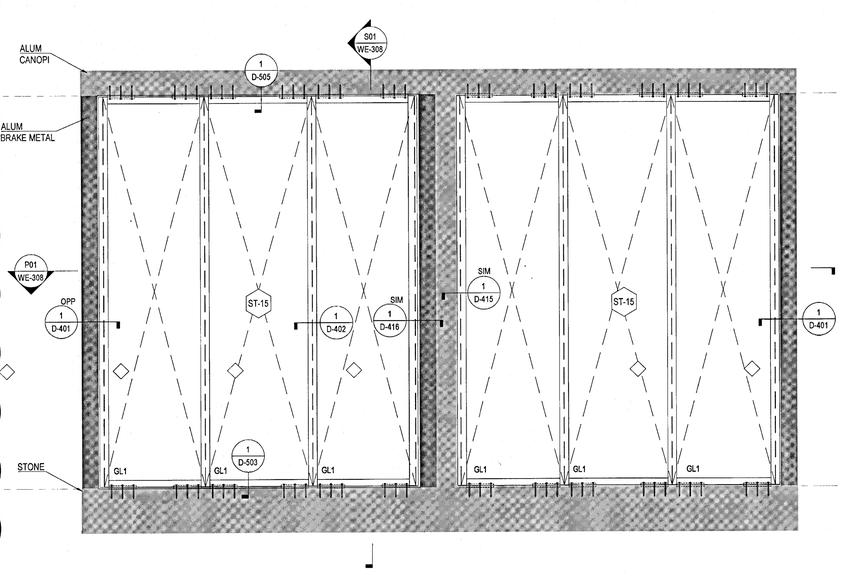



EXTERIOR

P01 WINDOW PLAN 1/2"= 1'-0"



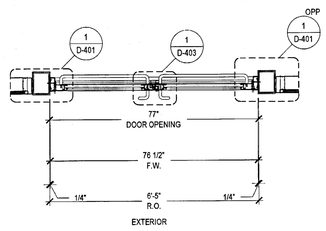

S01 WINDOW SECTION 1/2"= 1'-0"




ST-15 WINDOW ELEVATION
SYSTEM: ES-7000 1/2"= 1'-0"

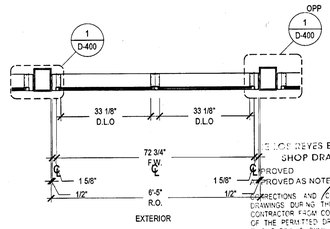
LOADS: + 64.8 p.s.f.
- 70.3 p.s.f.

| MARK COUNT | | |
|---|---|---|
| LEVEL | QTY | FACADE |
| LEVEL 1 | 1 | BE-201 |



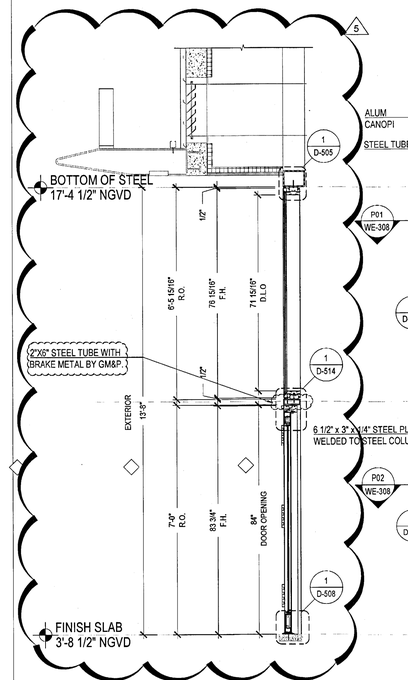

EXTERIOR

P01 WINDOW PLAN 1/2"= 1'-0"

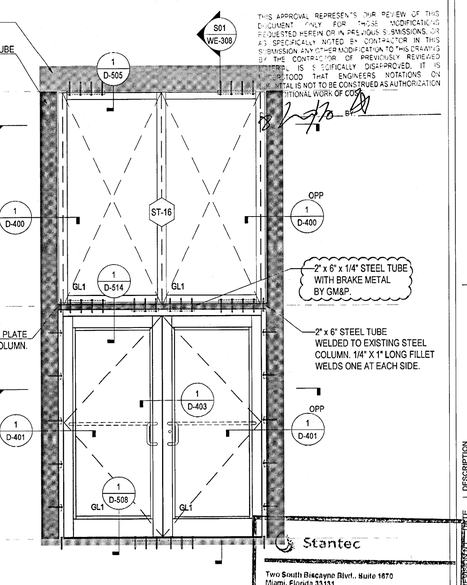



EXTERIOR

P01 WINDOW PLAN 1/2"= 1'-0"




S01 WINDOW SECTION 1/2"= 1'-0"




ST-16 WINDOW ELEVATION
SYSTEM: ES-7000 - ES-9000 1/2"= 1'-0"

LOADS: + 61.7 p.s.f.
- 67.1 p.s.f.

| MARK COUNT | | |
|---|---|---|
| LEVEL | QTY | FACADE |
| LEVEL 1 | 1 | BE-201 |

ELOE REYES ENGINEERING, INC.
SHOP DRAWING REVIEW
APPROVED ☐ REJECTED ☐
APPROVED AS NOTED ☐ RE-SUBMIT ☐
DIRECTIONS AND COMMENTS MADE ON SHOP DRAWINGS DURING THIS REVIEW TO NOT RELIEVE CONTRACTOR FROM COMPLYING WITH REQUIREMENTS OF THE PERMITTED DRAWING AND SPECIFICATIONS. THIS CHECK IS ONLY FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE INFORMATION IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR: CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.
THIS APPROVAL REPRESENTS THE REVIEW OF THIS DOCUMENT ONLY FOR THOSE MODIFICATIONS REQUESTED HEREIN OR IN PREVIOUS SUBMISSIONS, OR AS SPECIFICALLY NOTED BY CONTRACTOR IN THIS SUBMISSION. ANY OTHER MODIFICATION TO THIS DRAWING BY THE CONTRACTOR OR PREVIOUSLY REVIEWED ITEMS, IS SPECIFICALLY DISAPPROVED. IT IS UNDERSTOOD THAT ENGINEERS NOTATIONS ON SHOP DRAWINGS SHALL NOT BE CONSTRUED AS AUTHORIZATION OF ANY ADDITIONAL WORK OR CHANGE.

"REVIEWED and APPROVED FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING and ENVIRONMENTAL LLC

REVIEWED
CITY OF MIAMI BEACH
FIRE DEPARTMENT

1661 WEST VENTURES LLC.
19501 Biscayne Boulevard, Suite 400
Aventura, FL 33180
T: (305) 914-6207

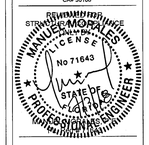
ARCHITECT:
Stantec
STANTEC ARCHITECTURE INC.
One Biscayne Tower Suite 1870
2 South Biscayne Boulevard
Miami, FL 33131-1804
T: (305) 482-8700 Fax: (305) 482-8770

GENERAL CONTRACTOR:
GRYCON
Building with Precision
GRYCON LLC
4101 Ravenswood RD Suite 305
Dania Beach, FL 33312
954-626-0451

WINDOW MANUFACTURER:
gmp
GM&P Consulting and Glazing Contractors,Inc
3500 NW 48th street
Miami, FL 33142 EE UU
Tel: 305-638-5151
Fax: 305-638-5158

SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S.
Cr51 B 50-58 Of. 901
Smart Office Center
Barranquilla, Colombia

FAÇADE+ENVELOPE
ENGINEERING CONSULTANTS, LLC
1930 HARRISON STREET, SUITE 204
HOLLYWOOD, FL 33020 (954) 589-1729
WWW.FACADEENVELOPE.COM
CA# 30168




17TH & WEST AVENUE
1220 17TH STREET
MIAMI BEACH, FLORIDA 33139

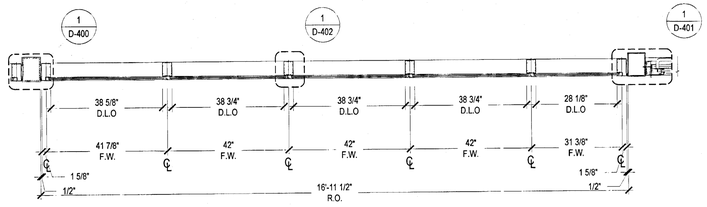
| REVISION | DATE | DESCRIPTION |
|---|---|---|
| 1 | 12.15.2017 | SHOP DRAWINGS FIRST SUBMITTAL GROUND FLOOR |
| 2 | 12.26.2017 | FIRST SUBMITTAL UPDATE |
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| 4 | 04.24.2018 | RESUBMITTAL UPDATE |
| 5 | 05.18.2018 | RESUBMITTAL PER BULLETIN #1 2018.04.10 |
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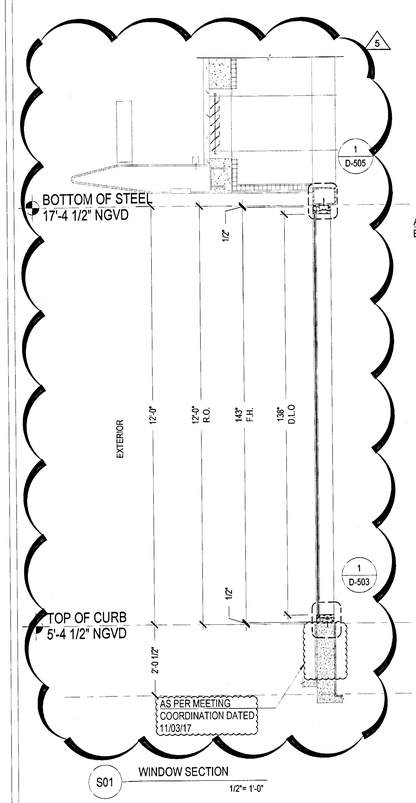
PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1 2" = 1'-0"
CONTENT:
WINDOWS WALL
ELEVATION SYSTEM

Stantec
Two South Biscayne Blvd., Suite 1870
Miami, Florida 33131
REVIEW: NO EXCEPTIONS NOTED
Date: 8/29/18 By: D. Gh

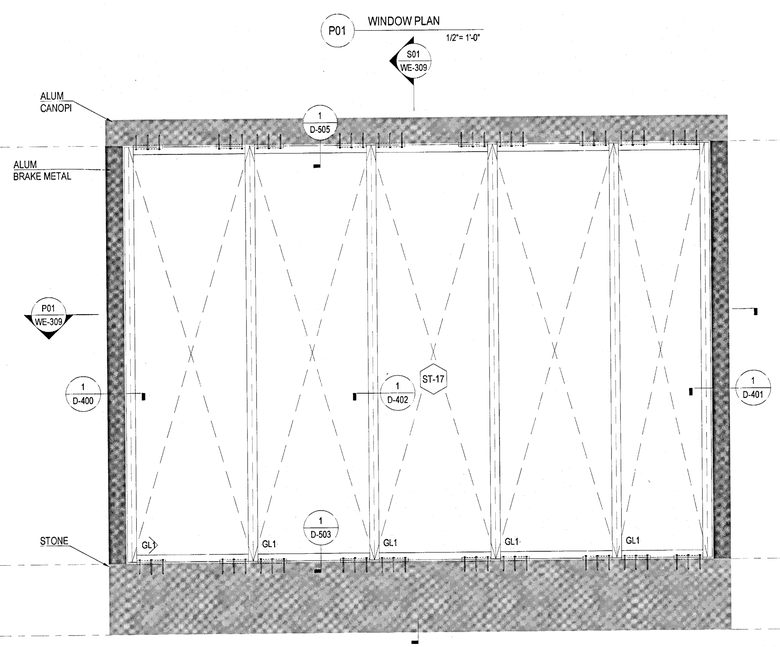
SHEET:
WE-308

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE



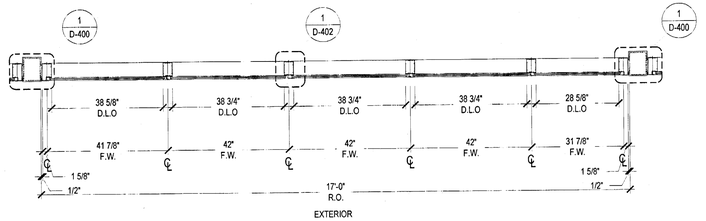

S01 WINDOW SECTION 1/2"= 1'-0"

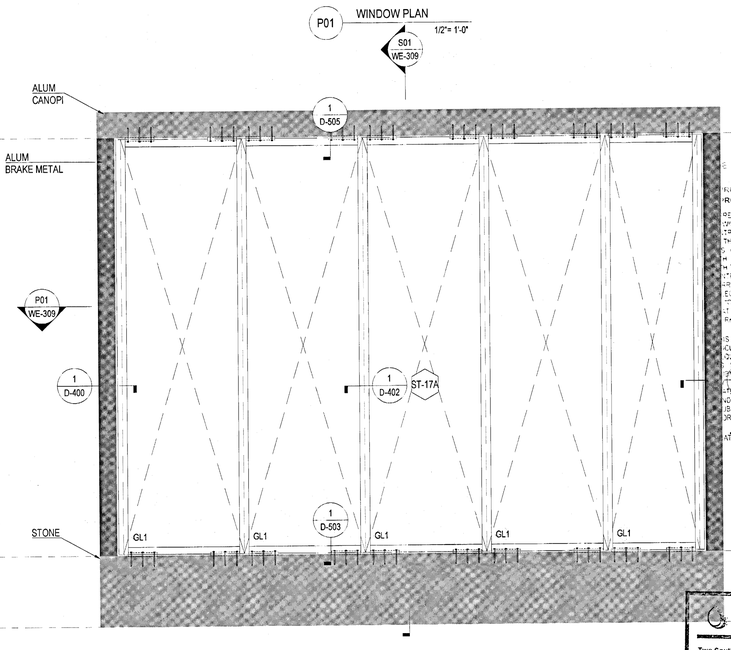



ST-17 WINDOW ELEVATION SYSTEM: ES-7000 1/2"= 1'-0"

LOADS: + 64.8 p.s.f.
- 70.3 p.s.f.

| MARK COUNT | | |
|---|---|---|
| LEVEL | QTY | FACADE |
| LEVEL 1 | 1 | BE-201 |




ST-17A WINDOW ELEVATION SYSTEM: ES-7000 1/2"= 1'-0"

LOADS: + 64.8 p.s.f.
- 70.3 p.s.f.

| MARK COUNT | | |
|---|---|---|
| LEVEL | QTY | FACADE |
| LEVEL 1 | 1 | BE-201 |

"REVIEWED and APPROVED FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING and ENVIRONMENTAL, LLC

E.T.S. REYES ENGINEERING, INC.
SHOP DRAWING REVIEW
APPROVED ☐ REJECTED ☐
APPROVED AS NOTED ☐ RE-SUBMIT ☐
DIRECTIONS AND COMMENTS MADE ON SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLIANCE WITH CONTRACT DRAWINGS AND SPECIFICATIONS. THIS REVIEW IS ONLY FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT AND GENERAL COMPLIANCE WITH INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATION OF HIS WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.
THIS APPROVAL REPRESENTS THE REVIEW OF THIS ELEMENT ONLY FOR THOSE INDICATIONS REQUESTED HEREIN OR IN PREVIOUS SUBMISSIONS. OR SPECIFICALLY NOTED BY CONTRACTOR IN THIS SUBMISSION. ANY CHANGE(S) NOT SPECIFICALLY REVIEWED OR CORRECTION OF PREVIOUSLY REVIEWED ITEM(S) NOT SPECIFICALLY DISAPPROVED IT IS UNDERSTOOD THAT ENGINEERS NOTATIONS ON SHOP DRAWINGS ARE NOT TO BE CONSTRUED AS AUTHORIZATION FOR ADDITIONAL WORK OF ANY KIND.
DATE: BY:

Stantec
Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131
☐ REVIEW: NO EXCEPTIONS NOTED
Dated 8/31/18 By

CITY OF MIAMI BEACH
REVIEWED
FOR COMPLIANCE
FIRE DEPARTMENT

1681 WEST VENTURES LLC.
19501 Biscayne Boulevard, Suite 400
Aventura, FL 33180
T: (305) 914-8207

ARCHITECT:
Stantec
STANTEC ARCHITECTURE INC.
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SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S.
Cr51 B 80-58 OF. 901
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Barranquilla, Colombia

FAÇADE+ENVELOPE
ENGINEERING CONSULTANTS, LLC
1930 HARRISON STREET, SUITE 204
HOLLYWOOD, FL 33020 (954) 589-1729
WWW.FACADENVELOPE.COM
CA# 30158

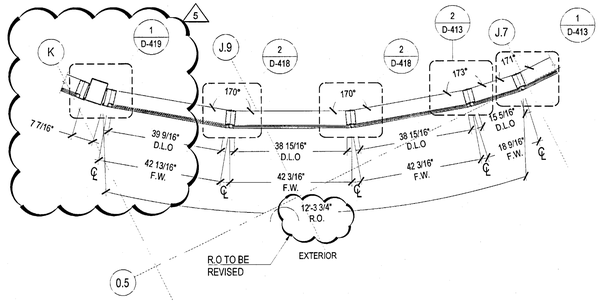
REVIEWED FOR STRUCTURAL COMPLIANCE
MANUEL MORALES LICENSE No 71643 STATE OF FLORIDA PROFESSIONAL ENGINEER
SIGNED, DATED & SEALED
MANUEL MORALES, P.E.

**17TH & WEST AVENUE**
**1220 17TH STREET**
**MIAMI BEACH, FLORIDA 33139**

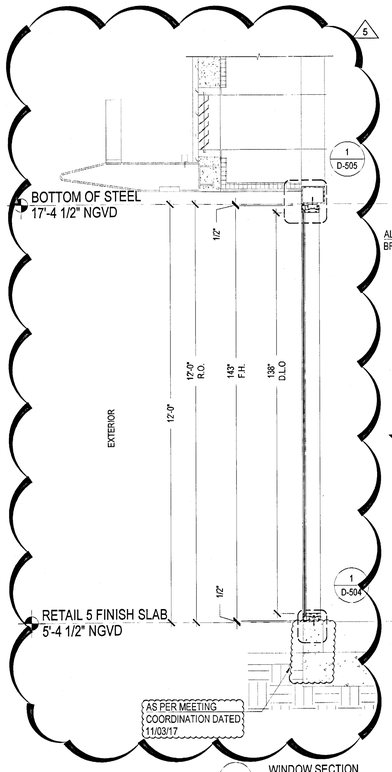
| REVISION N° | DATE | DESCRIPTION |
|---|---|---|
| 1 | 12. 15. 2017 | SHOP DRAWINGS FIRST SUBMITTAL GROUND FLOOR |
| 2 | 12. 26. 2017 | FIRST SUBMITTAL UPDATE |
| 3 | 01. 22. 2018 | SHOP DRAWINGS FIRST RESUBMITTAL |
| 4 | 04.24.2018 | RESUBMITTAL UPDATE |
| 5 | 05.16.2018 | RESUBMITTAL PER BULLETIN #1 "3/18.04".'C |
| 6 | 06.12. 2018 | RESUBMITTAL PER FEEC 06'2100'8 JJ |

PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1/2" = 1'-0"
CONTENT:
WINDOWS WALL ELEVATION SYSTEM
SHEET: WE-309

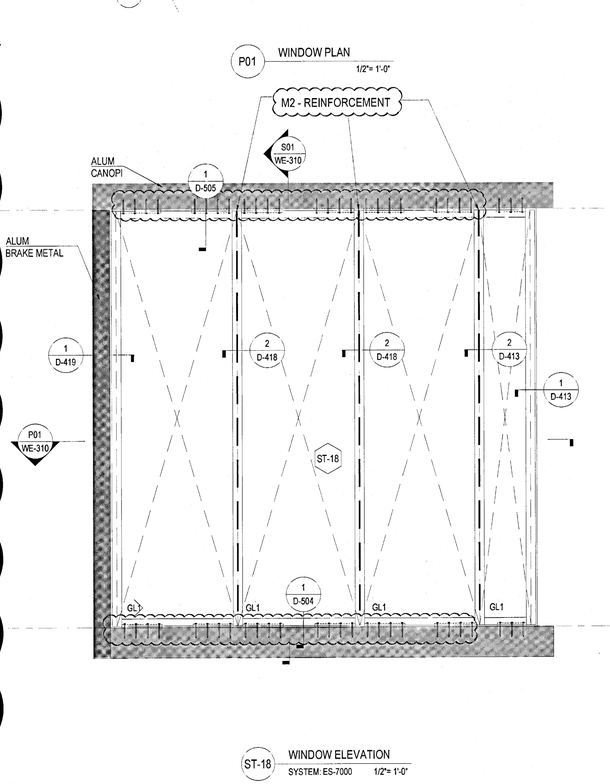
MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE




P01 WINDOW PLAN 1/2"= 1'-0"



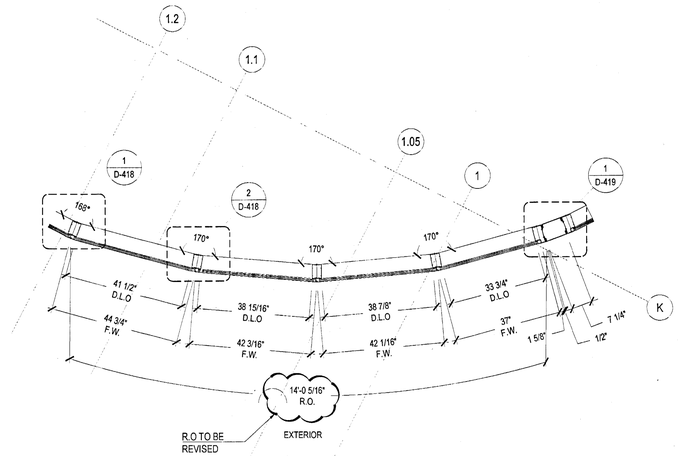

S01 WINDOW SECTION 1/2"= 1'-0"



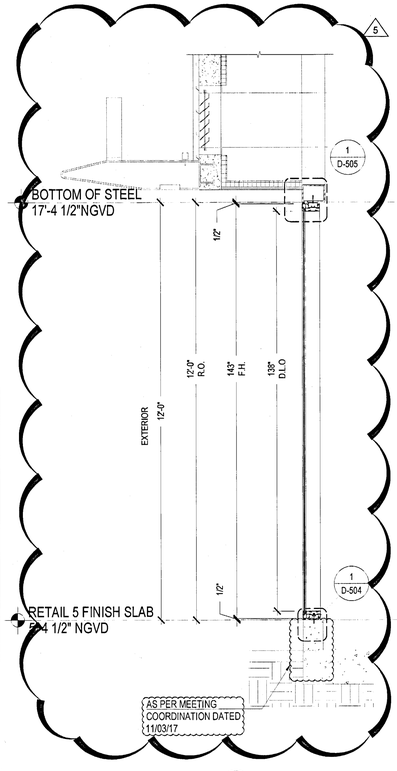

ST-18 WINDOW ELEVATION SYSTEM: ES-7000 1/2"= 1'-0"

| MARK COUNT | | |
|---|---|---|
| LEVEL | QTY | FACADE |
| LEVEL 1 | 1 | BE-201 |

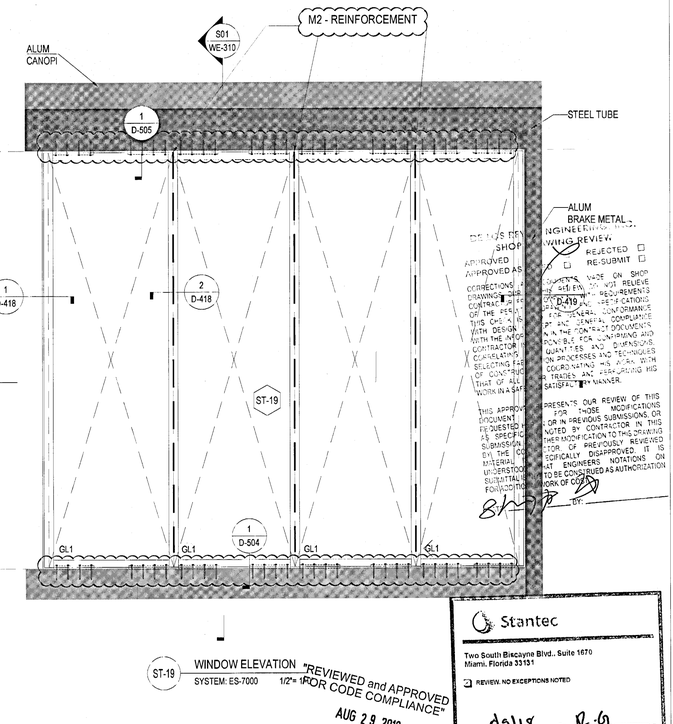
LOADS: + 64.8 p.s.f.
- 86.8 p.s.f.




P01 WINDOW PLAN 1/2"= 1'-0"




S01 WINDOW SECTION 1/2"= 1'-0"




ST-19 WINDOW ELEVATION SYSTEM: ES-7000 1/2"= 1'-0"

| MARK COUNT | | |
|---|---|---|
| LEVEL | QTY | FACADE |
| LEVEL 1 | 1 | BE-201 |

LOADS: + 64.8 p.s.f.
- 86.8 p.s.f.

"REVIEWED and APPROVED FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING and ENVIRONMENTAL LLC

REVIEWED
CITY OF MIAMI BEACH
FIRE DEPARTMENT

1681 WEST VENTURES LLC.
19501 Biscayne Boulevard, Suite 400
Aventura, FL 33180
T: (305) 914-8207

ARCHITECT:
Stantec
STANTEC ARCHITECTURE INC.
One Biscayne Tower Suite 1670
2 South Biscayne Boulevard
Miami, FL 33131-1804
T: (305) 482-8700 Fax: (305) 482-8770

GENERAL CONTRACTOR:
GRYCON
Building with Precision
GRYCON LLC
4101 Ravenswood RD Suite 325
Dania Beach, FL 33312
954-626-0451

WINDOW MANUFACTURER:
gmp
GM&P Consulting and Glazing Contractors,Inc
3550 NW 49th street
Miami, FL 33142 EE.UU
Tel: 305-638-5151
Fax: 305-638-5158

SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S.
Cr51 S 80-58 OF. 901
Smart Office Center
Barranquilla, Colombia

FAÇADE+ENVELOPE
ENGINEERING CONSULTANTS, LLC
1930 HARRISON STREET, SUITE 204
HOLLYWOOD, FL 33020 (954) 599-1729
WWW.FACADENVELOPE.COM
CA# 30166

REVIEWED FOR STRUCTURAL COMPLIANCE
MANUEL MORALES LICENSED No 71643 STATE OF FLORIDA PROFESSIONAL ENGINEER

# 17TH & WEST AVENUE
# 1220 17TH STREET
# MIAMI BEACH, FLORIDA 33139

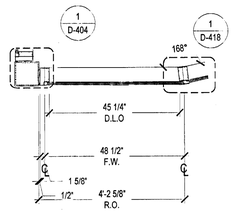
| REVISION N° | DATE | DESCRIPTION |
|---|---|---|
| A | 12. 15. 2017 | SHOP DRAWINGS FIRST SUBMITTAL GROUND FLOOR |
| AA | 12. 26. 2017 | FIRST SUBMITTAL UPDATE |
| AB | 01. 22. 2018 | SHOP DRAWINGS FIRST RESUBMITTAL |
| AC | 04.24.2018 | RESUBMITTAL UPDATE |
| AD | 05.16.2018 | RESUBMITTAL PER BULLETIN #1 2018.05.10 |
| AE | 06.12.2018 | RESUBMITTAL PER FEEC 06012018 JJ |

Stantec
Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131
REVIEW, NO EXCEPTIONS NOTED
Date: 8/31/18 By: M.G

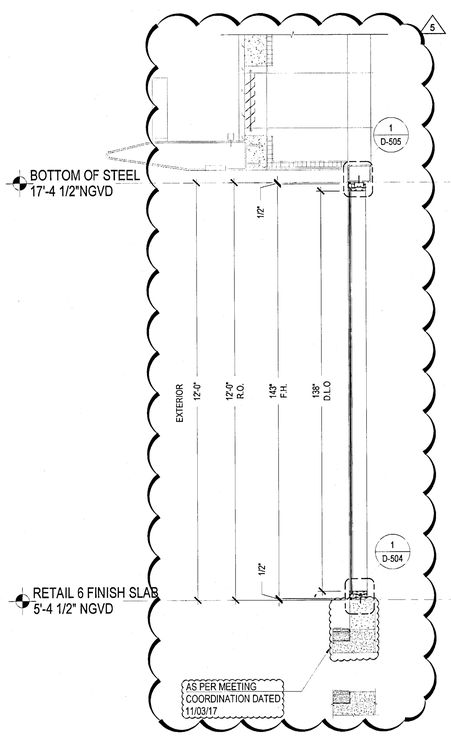
PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1/2" = 1'-0"
CONTENT:
WINDOWS WALL ELEVATION SYSTEM

SHEET: WE-310

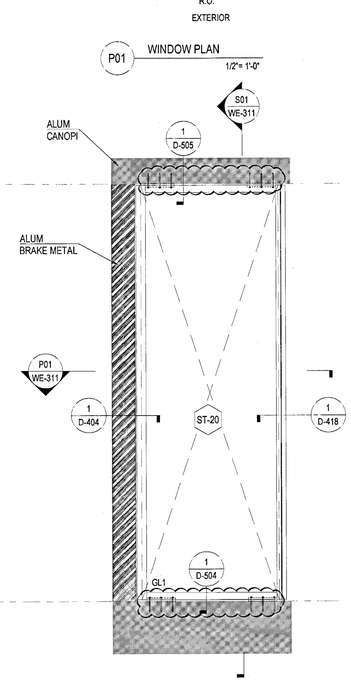
MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE




P01 WINDOW PLAN
1/2"= 1'-0"




S01 WINDOW SECTION
1/2"= 1'-0"




ST-20 WINDOW ELEVATION
SYSTEM: ES-7000 1/2"= 1'-0"

LOADS: + 64.8 p.s.f.
- 70.3 p.s.f.

| MARK COUNT | | |
|---|---|---|
| LEVEL | QTY | FACADE |
| LEVEL 1 | 1 | BE-204 |

DE LOS REYES ENGINEERING INC.
SHOP DRAWING REVIEW
APPROVED ☐ REJECTED ☐
APPROVED AS NOTED ☐ RE-SUBMIT ☐

CORRECTIONS AND COMMENTS MADE ON SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLIANCE WITH REQUIREMENTS OF THE PERMITTED DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE INFORMATION IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.

THIS APPROVAL REPRESENTS ONLY REVIEW OF THIS DOCUMENT ONLY FOR THE SPECIFICATIONS REQUESTED HEREIN OR FOR EXCEPTIONS OR DEVIATIONS AS SPECIFICALLY NOTED BY CONTRACTOR IN THIS SUBMISSION AND OTHERWISE DOES NOT AUTHORIZATION BY THE CONTRACTOR OF ANY ONLY REVIEWED MATERIAL IS KNOWINGLY DISAPPROVED. IT IS UNDERSTOOD THAT ENGINEER'S NOTATIONS ON SUBMITTALS IS NOT TO BE CONSTRUED AS AUTHORIZATION FOR ADDITIONAL WORK OR COST.

BY: _____

"REVIEWED and APPROVED FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING and ENVIRONMENT, LLC

Stantec
Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131
☐ REVIEW: NO EXCEPTIONS NOTED
Date: 8/31/18 By: D. G.

REVIEWED
CITY OF MIAMI BEACH
FIRE DEPARTMENT

1681 WEST VENTURES LLC.
19501 Biscayne Boulevard, Suite 400
Aventura, FL 33180
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Miami, FL 33131-1804
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954-626-0451

WINDOW MANUFACTURER:
gmp
GM&P Consulting and Glazing Contractors,Inc
3550 NW 49th street
Miami, FL 33142 (E.U.)
Tel: 305-638-5151
Fax: 305-638-5156

SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S.
Cr51 B 80-58 OF. 901
Smart Office Center
Barranquilla, Colombia

FAÇADE+ENVELOPE
ENGINEERING CONSULTANTS, LLC
1800 HARRISON STREET, SUITE 204
HOLLYWOOD, FL 33020 (954) 589-1729
WWW.FACADENVELOPE.COM
CA# 30168

REVIEWED FOR
STRUCTURAL COMPLIANCE
MANUEL MORALES LICENSE No 71643 STATE OF FLORIDA PROFESSIONAL ENGINEER

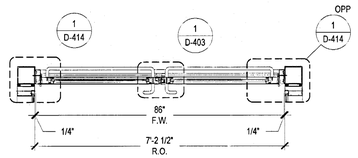
**17TH & WEST AVENUE**
**1220 17TH STREET**
**MIAMI BEACH, FLORIDA 33139**

| REVISION N° | DATE | DESCRIPTION |
|---|---|---|
| 1 | 12. 15. 2017 | SHOP DRAWINGS FIRST SUBMITTAL GROUND FLOOR |
| 2 | 12. 26. 2017 | FIRST SUBMITTAL UPDATE |
| 3 | 01. 22. 2018 | SHOP DRAWINGS FIRST RESUBMITTAL |
| 4 | 04.24.2018 | RESUBMITTAL UPDATE |
| 5 | 16.05.2018 | RESUBMITTAL PER BULLETIN # 1 2018.04.13 |
| 6 | 06.12. 2018 | RESUBMITTAL PER FEEC 06012018 JJ |

PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1 2" = 1'-0"
CONTENT:
WINDOWS WALL ELEVATION SYSTEM

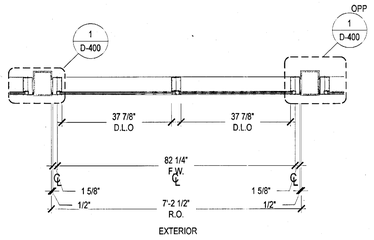
WE-311

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE




EXTERIOR

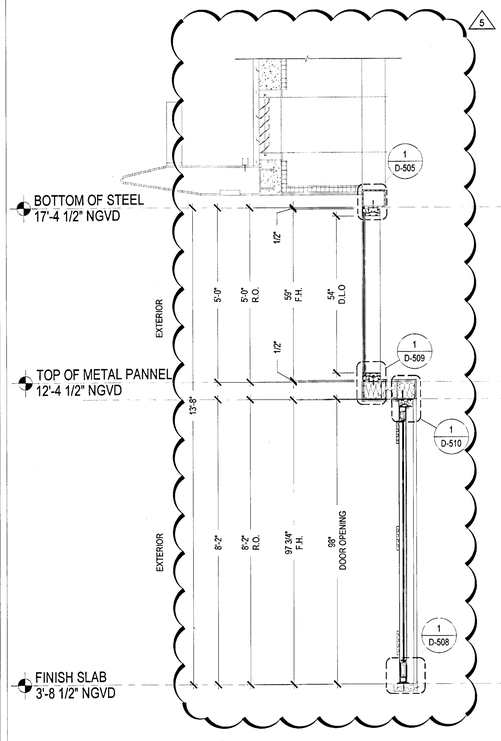
P02 WINDOW PLAN 1/2"= 1'-0"



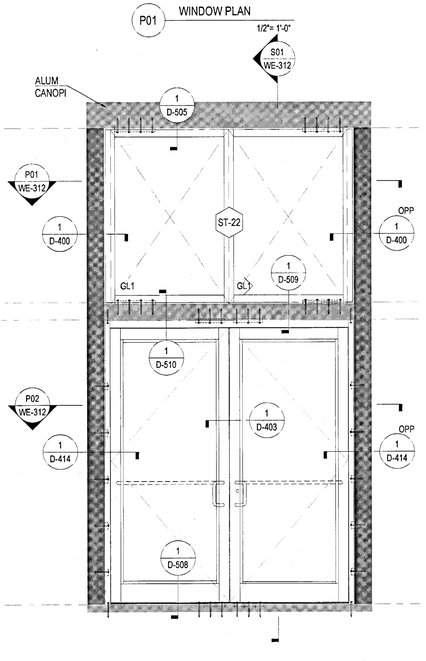

EXTERIOR

P01 WINDOW PLAN 1/2"= 1'-0"

S01 WE-312



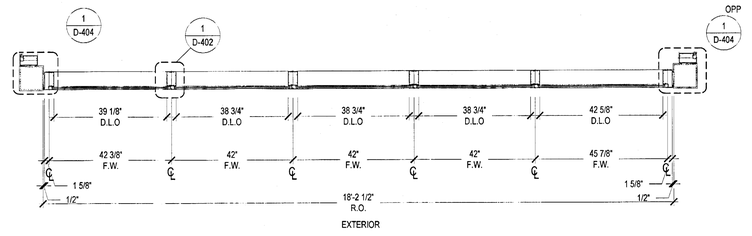

S01 WINDOW SECTION 1/2"= 1'-0"




ST-22 WINDOW ELEVATION
SYSTEM: ES-7000 - ES-9000 1/2"= 1'-0"

LOADS: + 61.0 p.s.f.
- 66.5 p.s.f.

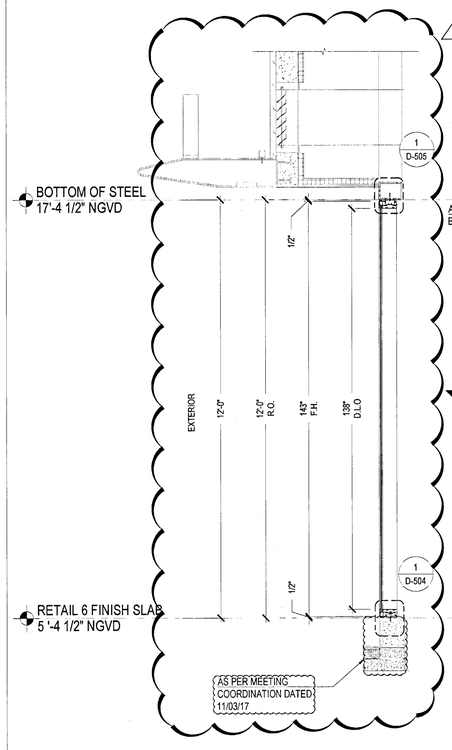
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| LEVEL | QTY | FACADE |
| LEVEL 1 | 1 | BE-204 |



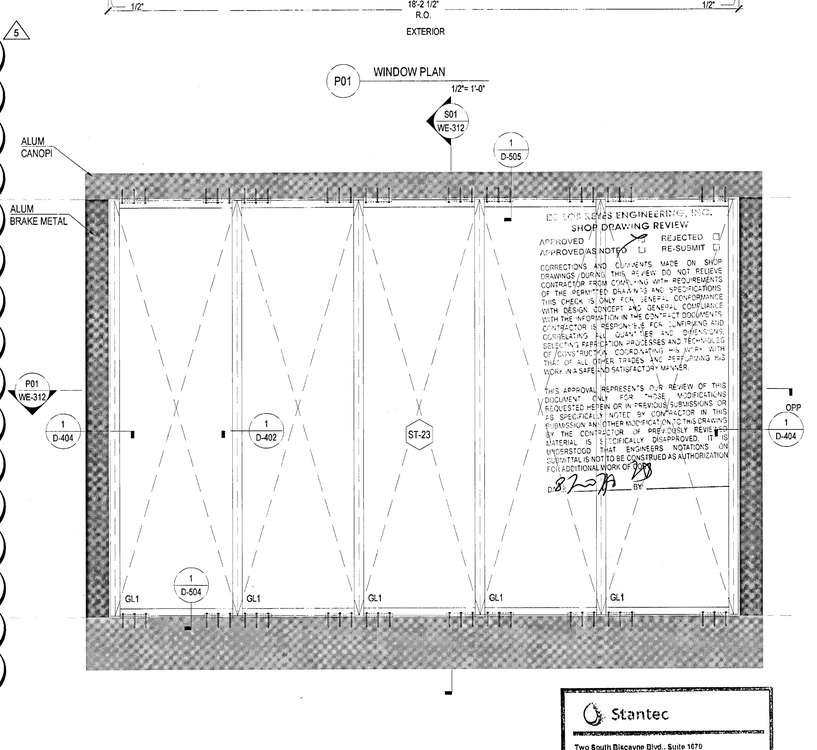

EXTERIOR

P01 WINDOW PLAN 1/2"= 1'-0"

S01 WE-312




S01 WINDOW SECTION 1/2"= 1'-0"




ST-23 WINDOW ELEVATION
SYSTEM: ES-7000 1/2"= 1'-0"

Stantec
Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131
REVIEW, NO EXCEPTIONS NOTED
Dated 8/31/18 By

LOADS: + 64.8 p.s.f.
- 70.3 p.s.f.

| MARK COUNT | | |
|---|---|---|
| LEVEL | QTY | FACADE |
| LEVEL 1 | 1 | BE-204 |

REVIEWED and APPROVED
FOR CODE COMPLIANCE
AUG 29 2018
NOVA ENGINEERING
and ENVIRONMENTAL LLC

REVIEWED
CITY OF MIAMI BEACH
FIRE DEPARTMENT

1661 WEST VENTURES LLC
19501 Biscayne Boulevard, Suite 400
Aventura, FL 33180
T: (305) 914-8207

ARCHITECT:
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STANTEC ARCHITECTURE INC.
One Biscayne Tower Suite 1670
2 South Biscayne Boulevard
Miami, FL 33131-1804
T: (305) 482-8700 Fax: (305) 482-8770

GENERAL CONTRACTOR:
GRYCON
Building with Precision
GRYCON LLC
4101 Ravenswood RD Suite 325
Dania Beach, FL 33312
954-626-0451

WINDOW MANUFACTURER:
gmp
GM&P Consulting and Glazing Contractors,Inc
3550 NW 49th street
Miami, Fl. 331 42 EE.UU
Tel: 305-638-5151
Fax: 305-638-5158

SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S.
CR1 8 80-58 OF. 901
Smart Office Center
Barranquilla, Colombia

FAÇADE+ENVELOPE
ENGINEERING CONSULTANTS, LLC
1930 HARRISON STREET, SUITE 204
HOLLYWOOD, FL 33020 (954) 589-1729
WWW.FACADENVELOPE.COM
CA# 30168

REVIEWED FOR
STRUCTURAL COMPLIANCE

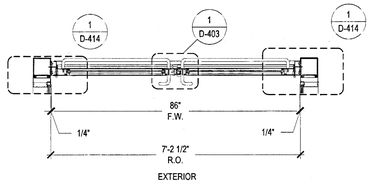
MANUEL MORALES
LICENSE
No 71643
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

17TH & WEST AVENUE
1220 17TH STREET
MIAMI BEACH, FLORIDA 33139

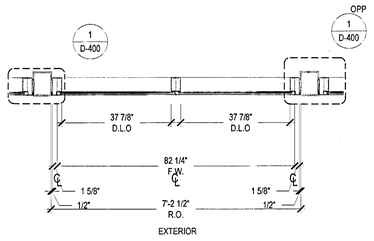
| REVISION N° | DATE | DESCRIPTION |
|---|---|---|
| 1 | 12. 15. 2017 | SHOP DRAWINGS FIRST SUBMITTAL GROUND FLOOR |
| 2 | 12. 26. 2017 | FIRST SUBMITTAL UPDATE |
| 3 | 01. 22. 2018 | SHOP DRAWINGS FIRST RESUBMITTAL |
| 4 | 04.24.2018 | RESUBMITTAL UPDATE |
| 5 | 16.05.2018 | RESUBMITTAL PER BULLETIN #1 2018.04.13 |
| 6 | 06.12. 2018 | RESUBMITTAL PER FEEC 060122018 JJ |

PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1 2" = 1'-0"
CONTENT:
WINDOWS WALL
ELEVATION SYSTEM
SHEET: WE-312

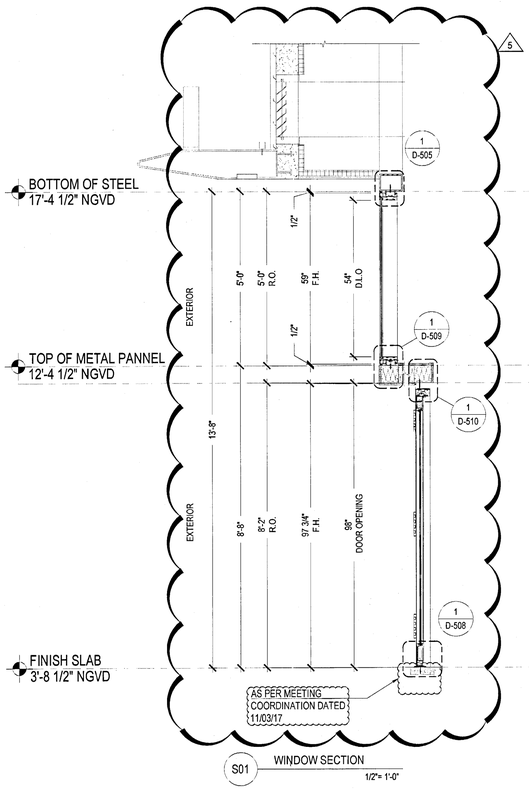
MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE



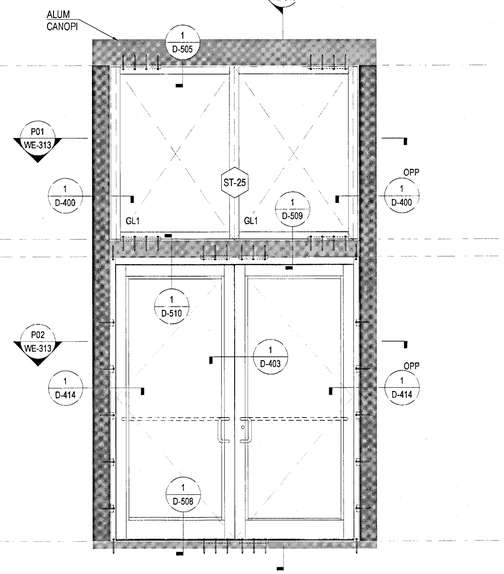

P02 WINDOW PLAN
1/2"= 1'-0"




P01 WINDOW PLAN
1/2"= 1'-0"




S01 WINDOW SECTION
1/2"= 1'-0"




ST-25 WINDOW ELEVATION
SYSTEM: ES-7000 - ES-9000 1/2"= 1'-0"

LOADS: + 61.0 p.s.f.
- 66.5 p.s.f.

| MARK COUNT | | |
|---|---|---|
| LEVEL | QTY | FACADE |
| LEVEL 1 | 1 | BE-204 |

DE LA TORRE ENGINEERING, INC.
SHOP DRAWING REVIEW
APPROVED REJECTED
APPROVED AS NOTED RE-SUBMIT
CORRECTIONS AND COMMENTS MADE ON SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLIANCE WITH REQUIREMENTS OF THE PERMITTED DRAWINGS AS WELL AS THE CONTRACT. THIS CHECK IS ONLY FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE INFORMATION IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.
THIS APPROVAL REPRESENTS A REVIEW OF THIS DOCUMENT ONLY FOR THOSE ITEMS/CONDITIONS REQUESTED HEREIN OR A REVIEW OF ASSEMBLY OR AS SPECIFICALLY NOTED. ANY OMISSION IN THIS SUBMISSION ANY OTHER NON-COMPLIANCE WITH THE CONTRACT OR PREVIOUSLY REVIEWED MATERIAL IS SPECIFICALLY DISAPPROVED. IT IS UNDERSTOOD THAT ENGINEERS NOTATIONS ON SUBMITTAL IS NOT TO BE CONSTRUED AS AUTHORIZATION FOR ADDITIONAL WORK OF COST.
DATE BY

"REVIEWED and APPROVED
FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING
and ENVIRONMENTAL, LLC

Stantec
Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131
REVIEW. NO EXCEPTIONS NOTED
Dated 8/31/18 By

REVIEWED
CITY OF MIAMI BEACH
FIRE DEPARTMENT

1681 WEST VENTURES LLC.
19501 Biscayne Boulevard, Suite 400
Aventura, FL 33180
T.: (305) 914-8207

ARCHITECT:
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STANTEC ARCHITECTURE INC.
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2 South Biscayne Boulevard
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SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S.
Cr51 B 80-58 OF. 901
Smart Office Center.
Barranquilla, Colombia

FAÇADE+ENVELOPE
ENGINEERING CONSULTANTS, LLC
1800 HARRISON STREET, SUITE 204
HOLLYWOOD, FL 33020 (954) 589-1729
WWW.FACADEENVELOPE.COM
CA# 30168

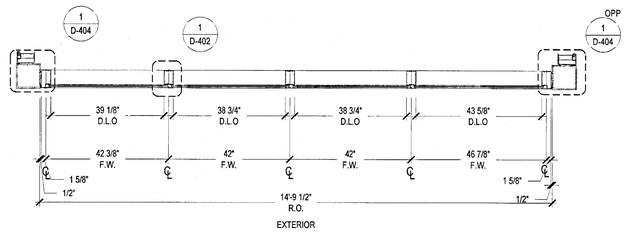
REVIEWED FOR
STRUCTURAL COMPLIANCE
MANUEL MORALES
LICENSE
No 71643
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

| REVISION N° | DATE | DESCRIPTION |
|---|---|---|
| 1 | 12. 15. 2017 | SHOP DRAWINGS FIRST SUBMITTAL GROUND FLOOR |
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| 4 | 04.24.2018 | RESUBMITTAL UPDATE |
| 5 | 10.05.2018 | RESUBMITTAL PER BULLSTN #: 2018.04.10 |
| 6 | 06.12. 2018 | RESUBMITTAL PER FEEC 06/01/2018 JJ |

**17TH & WEST AVENUE**
**1220 17TH STREET**
**MIAMI BEACH, FLORIDA 33139**

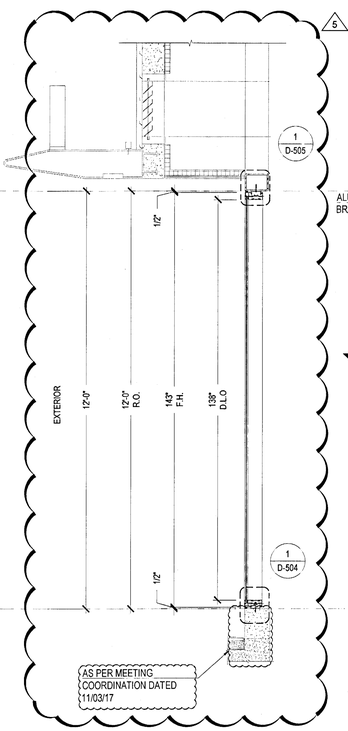
PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1 2" = 1'-0"
CONTENT:
WINDOWS WALL
ELEVATION SYSTEM
SHEET:
WE-313

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE

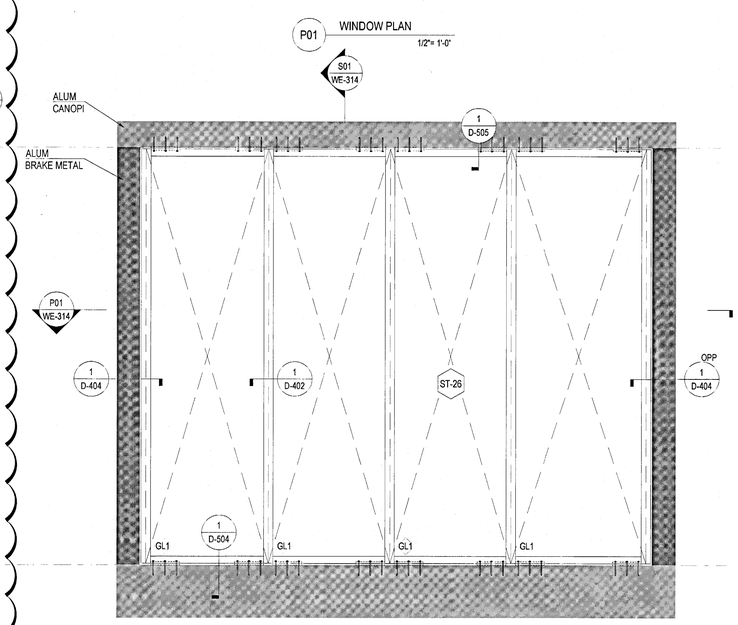



P01 WINDOW PLAN 1/2"= 1'-0"

S01 WE-314

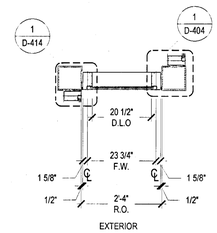



S01 WINDOW SECTION 1/2"= 1'-0"

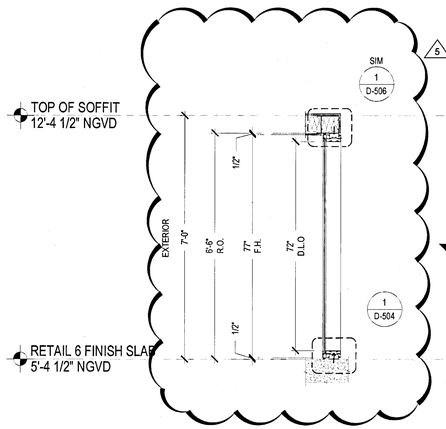



ST-26 WINDOW ELEVATION SYSTEM: ES-7000 1/2"= 1'-0"

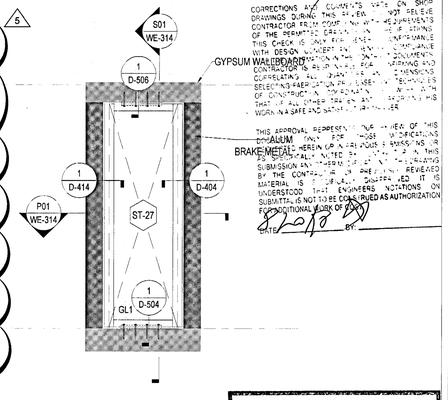
| LOADS: + 64.8 p.s.f. - 70.3 p.s.f. | MARK COUNT | | |
|---|---|---|---|
| | LEVEL | QTY | FACADE |
| | LEVEL 1 | 1 | BE-204 |




P01 WINDOW PLAN 1/2"= 1'-0"




S01 WINDOW SECTION 1/2"= 1'-0"




ST-27 WINDOW ELEVATION SYSTEM: ES-7000 1/2"= 1'-0"

DE LOS REYES ENGINEERING, INC.
SHOP DRAWING REVIEW
APPROVED ☐ REJECTED ☐
APPROVED AS NOTED ☐ RE SUBMIT ☐
CORRECTIONS AND COMMENTS MADE ON SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLIANCE WITH REQUIREMENTS OF THE PERMITTED DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.
THIS APPROVAL REPRESENTS ONLY THAT OF THIS OFFICE AND DOES NOT RELIEVE ANY OTHER REVIEWER FROM APPROVING THE SHOP DRAWINGS AS HEREIN OR IN ANY WAY RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITY FOR SPECIFICALLY NOTED DEVIATIONS IN THE SHOP DRAWING SUBMISSION AND FOR ERRORS CONTAINED IN THE SHOP DRAWINGS REVIEWED BY THIS OFFICE. THE REVIEW OF A SPECIFIC ITEM SHALL NOT INDICATE THAT THE ENTIRE ASSEMBLY OF WHICH THE ITEM IS A PART IS APPROVED. IF THE SUBMITTED MATERIAL IS INCOMPLETE OR DRAWINGS REJECTED IT IS UNDERSTOOD THAT ENGINEERS NOTATIONS ON SUBMITTALS IS NOT TO BE CONSTRUED AS AUTHORIZATION FOR ADDITIONAL WORK OR CHANGE ORDER.
DATE 8/29/18 BY

| LOADS: + 61.0 p.s.f. - 66.5 p.s.f. | MARK COUNT | | |
|---|---|---|---|
| | LEVEL | QTY | FACADE |
| | LEVEL 1 | 6 | BE-204 |

"REVIEWED and APPROVED FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING and ENVIRONMENTAL LLC

REVIEWED
CITY OF MIAMI BEACH
BRF DEPARTMENT

1681 WEST VENTURES LLC.
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954-626-0451

WINDOW MANUFACTURER:
gmp
GM&P Consulting and Glazing Contractors,Inc
3950 NW 48th street
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Tel: 305-638-5151
Fax: 305-638-5158

SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S.
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WWW.FACADENVELOPE.COM
CA# 30168

STRUCTURAL ENGINEER
MANUEL DE LOS REYES
No 71643
STATE OF FLORIDA
PROFESSIONAL ENGINEER
FL Reg # 71643

Stantec
Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131
REVIEW: NO EXCEPTIONS NOTED
Dated 8/29/18 By

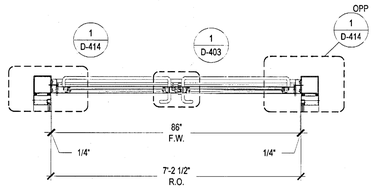
17TH & WEST AVENUE
1220 17TH STREET
MIAMI BEACH, FLORIDA 33139

| REVISION N° | DATE | DESCRIPTION |
|---|---|---|
| 1 | 12. 15. 2017 | SHOP DRAWINGS FIRST SUBMITTAL GROUND FLOOR |
| 2 | 12. 26. 2017 | FIRST SUBMITTAL UPDATE |
| 3 | 01. 22. 2018 | SHOP DRAWINGS FIRST RESUBMITTAL |
| 4 | 04.24.2018 | RESUBMITTAL UPDATE |
| 5 | 18.05.2018 | RESUBMITTAL PER BULLETIN #: 2018.04 -10 |
| 6 | 06.12. 2018 | RESUBMITTAL PER FEEC 0001201B JJ |

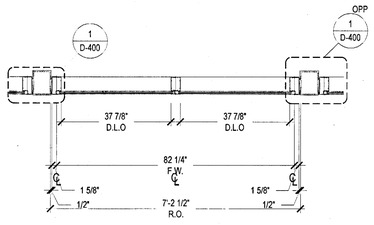
PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1 2" = 1'-0"
CONTENT:
WINDOWS WALL ELEVATION SYSTEM

SHEET:
WE-314

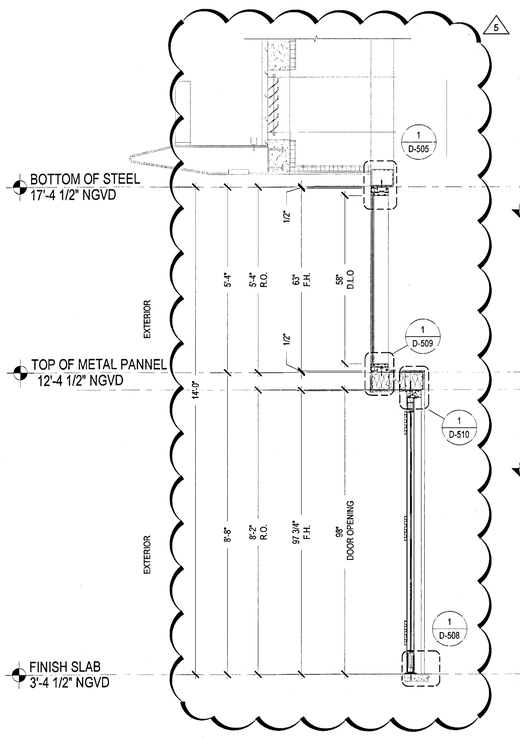
MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE



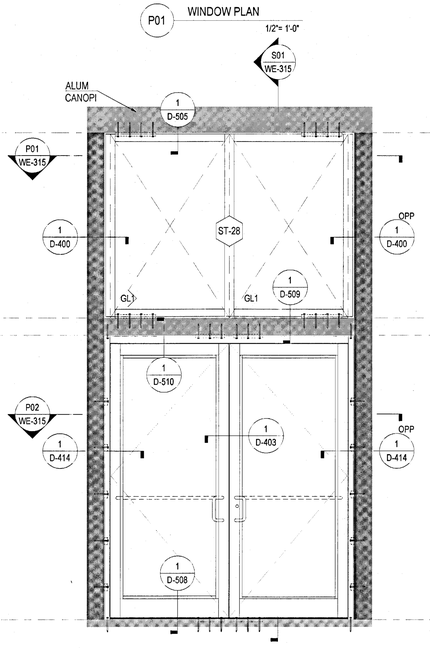

P02 WINDOW PLAN 1/2"= 1'-0"




P01 WINDOW PLAN 1/2"= 1'-0"

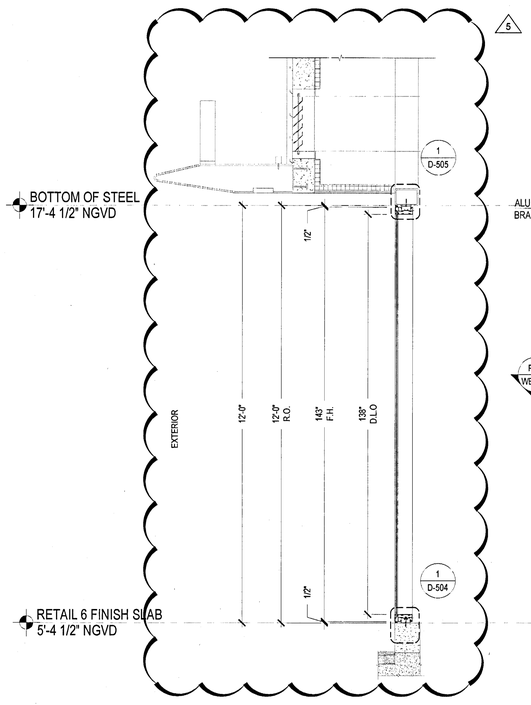



S01 WINDOW SECTION 1/2"= 1'-0"

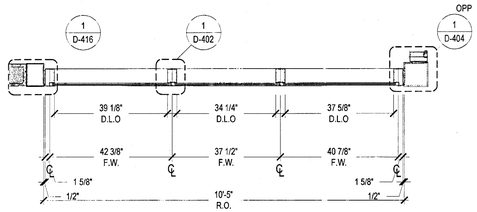



ST-28 WINDOW ELEVATION SYSTEM: ES-7000 - ES-9000 1/2"= 1'-0"

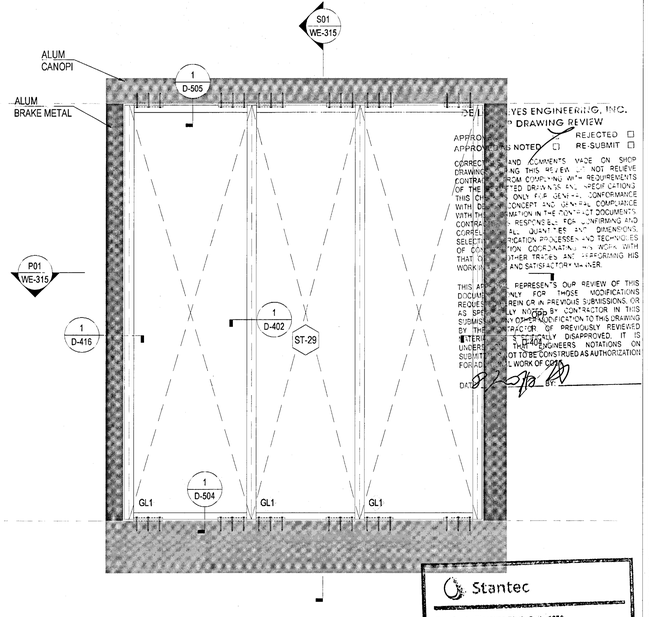
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| | LEVEL | QTY | FACADE |
| | LEVEL 1 | 1 | BE-204 |




S01 WINDOW SECTION 1/2"= 1'-0"




P01 WINDOW PLAN 1/2"= 1'-0"




ST-29 WINDOW ELEVATION SYSTEM: ES-7000 1/2"= 1'-0"

| LOADS: + 64.8 p.s.f. - 70.3 p.s.f. | MARK COUNT | | |
|---|---|---|---|
| | LEVEL | QTY | FACADE |
| | LEVEL 1 | 1 | BE-204 |

YES ENGINEERING, INC.
DRAWING REVIEW
APPROVED ☐ REJECTED ☐
APPROVED AS NOTED ☐ RE-SUBMIT ☐
AND COMMENTS MADE ON SHOP
ING THIS REVIEW DO NOT RELIEVE
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E GENERALLY DISAPPROVED. IT IS
THE ENGINEERS NOTATIONS ON
OT TO BE CONSTRUED AS AUTHORIZATION
L WORK OF SUCH

Stantec
Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131
☑ REVIEW. NO EXCEPTIONS NOTED
Dated 8/31/18 By

REVIEWED and APPROVED FOR CODE COMPLIANCE
AUG 29 2018
NOVA ENGINEERING and ENVIRONMENTAL LLC

REVIEWED
CITY OF MIAMI BEACH
FIRE DEPARTMENT

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GENERAL CONTRACTOR:
GRYCON
Building with Precision
GRYCON LLC
4101 Ravenswood RD Suite 325
Dania Beach, FL 33312
954-525-0451

WINDOW MANUFACTURER:
gmp
GM&P Consulting and Glazing Contractors,Inc
3550 NW 49th street
Miami, FL 33142 (USA)
Tel: 305-638-5151
Fax: 305-638-5158

SHOP DRAWINGS BY:
4G ARCHITECTURE
4G ARCHITECTURE S.A.S.
CR1 B 80-58 OF. 901
Smart Office Center
Barranquilla, Colombia

FAÇADE+ENVELOPE
ENGINEERING CONSULTANTS, LLC
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CA# 30168

REVIEWED FOR STRUCTURAL REQUIREMENTS ONLY
MANUEL MORALES
LICENSE
No 71643
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

| REVISION N°1 | DATE | DESCRIPTION |
|---|---|---|
| A | 12. 15. 2017 | SHOP DRAWINGS FIRST SUBMITTAL GROUND FLOOR |
| A1 | 12. 26. 2017 | FIRST SUBMITTAL UPDATE |
| B | 01. 22. 2018 | SHOP DRAWINGS FIRST RESUBMITTAL |
| A2 | 04.24.2018 | RESUBMITTAL UPDATE |
| A3 | 16.05.2018 | RESUBMITTAL PER BULLSTN #1: 2018.04.10 |
| A4 | 06.12. 2018 | RESUBMITTAL PER FEEC 06012018 JJ |

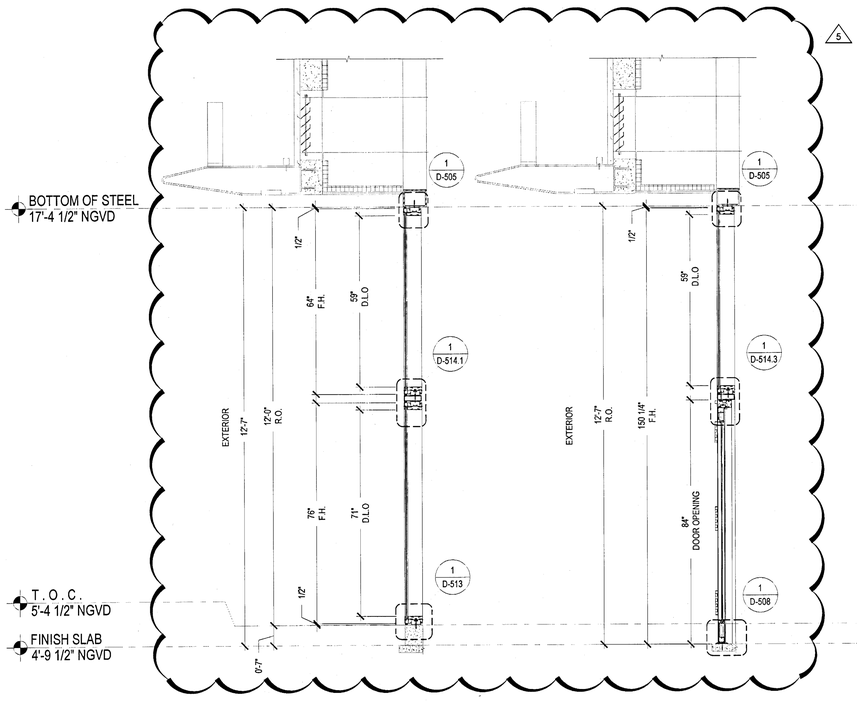
39

17TH & WEST AVENUE
1220 17TH STREET
MIAMI BEACH, FLORIDA 33139

PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1 2" = 1'-0"
CONTENT:
WINDOWS WALL ELEVATION SYSTEM

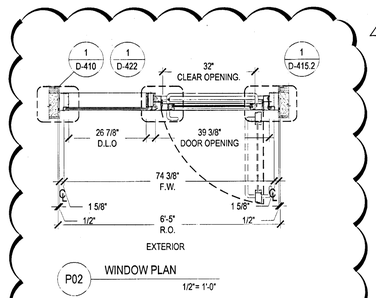
SHEET: WE-315

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE

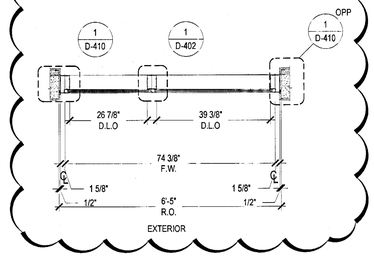



S01 WINDOW SECTION 1/2"= 1'-0"

S02 WINDOW SECTION 1/2"= 1'-0"

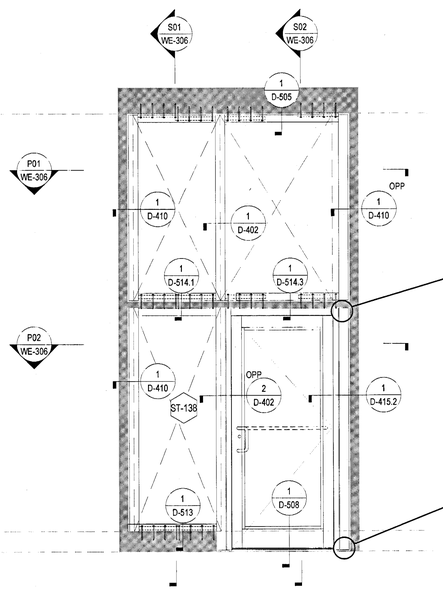



P02 WINDOW PLAN 1/2"= 1'-0"




EXTERIOR

P01 WINDOW PLAN 1/2"= 1'-0"




ST-138A WINDOW ELEVATION
SYSTEM: ES-7000 - ES-9000 1/2"= 1'-0"

| LOADS: + 64.8 p.s.f. |
|---|
| - 86.8 p.s.f. |

| MARK COUNT | | |
|---|---|---|
| LEVEL | QTY | FACADE |
| LEVEL 1 | 1 | BE-201 |

"REVIEWED and APPROVED FOR CODE COMPLIANCE"
AUG 29 2018
NOVA ENGINEERING and ENVIRONMENTAL LLC

DE LOS REYES ENGINEERING, INC.
SHOP DRAWING REVIEW
APPROVED ☐ REJECTED ☐
APPROVED AS NOTED ☐ RE-SUBMIT ☐

CORRECTIONS AND COMMENTS MADE ON SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLIANCE WITH REQUIREMENTS OF THE PERTINENT DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE INFORMATION IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.

THIS APPROVAL REPRESENTS OUR REVIEW OF THIS DOCUMENT ONLY FOR THOSE MODIFICATIONS REQUESTED HEREIN OR IN PREVIOUS SUBMISSIONS, OR AS SPECIFICALLY NOTED BY CONTRACTOR IN THIS SUBMISSION. ANY OTHER MODIFICATION TO THIS DRAWING BY THE CONTRACTOR OF PREVIOUSLY REVIEWED MATERIAL IS SPECIFICALLY DISAPPROVED. IT IS UNDERSTOOD THAT ENGINEERS NOTATIONS ON SUBMITTAL IS NOT TO BE CONSTRUED AS AUTHORIZATION FOR ADDITIONAL WORK OR COST.

DATE: _____ BY: _____

Stantec
Two South Biscayne Blvd., Suite 1670
Miami, Florida 33131
REVIEW: NO EXCEPTIONS NOTED
Dated 8/9/19 By R-G

REVIEWED
CITY OF MIAMI BEACH
BUILDING DEPARTMENT

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Cr51 B 80-58 OF. 901
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ENGINEERING CONSULTANTS, LLC
1930 HARRISON STREET, SUITE 204
HOLLYWOOD, FL 33020 (954) 589-1729
WWW.FACADENVELOPE.COM
C## 30188

REVIEWED FOR STRUCTURE, MODIFICATIONS MANUEL DE LOS REYES LICENSE No 71643 STATE OF FLORIDA PROFESSIONAL ENGINEER
MANUEL DE LOS REYES
FL. Reg # 71643

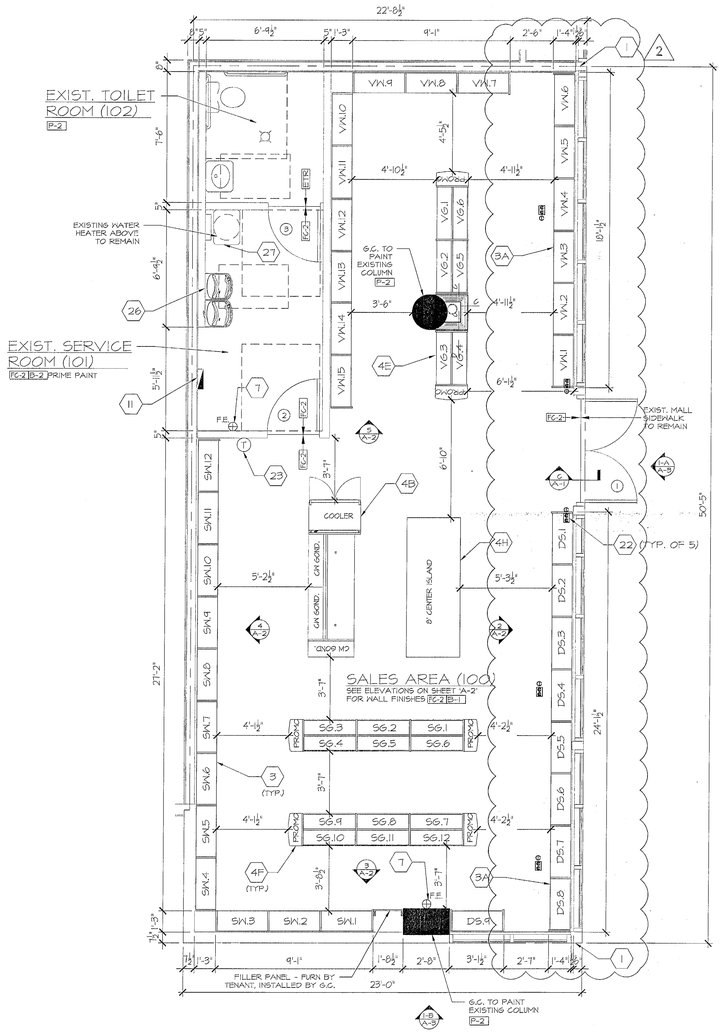
**17TH & WEST AVENUE**
**1220 17TH STREET**
**MIAMI BEACH, FLORIDA 33139**

| REVISION N° | DATE | DESCRIPTION |
|---|---|---|
| 1 | 12. 15. 2017 | SHOP DRAWINGS FIRST SUBMITTAL GROUND FLOOR |
| 2 | 12. 26. 2017 | FIRST SUBMITTAL UPDATE |
| 3 | 01. 22. 2018 | SHOP DRAWINGS FIRST RESUBMITTAL |
| 4 | 04.24.2018 | RESUBMITTAL UPDATE |
| 5 | 16.05.2018 | RESUBMITTAL PER BULLETIN #1 2018.04.10 |
| 6 | 06.27.2018 | RESUBMITTAL PER Additional - FEEC Comments |

PROJECT #: SD2017009
17TH & WEST AVENUE
SCALE: 1'-2" = 1'-0"
CONTENT:
WINDOWS WALL ELEVATION SYSTEM

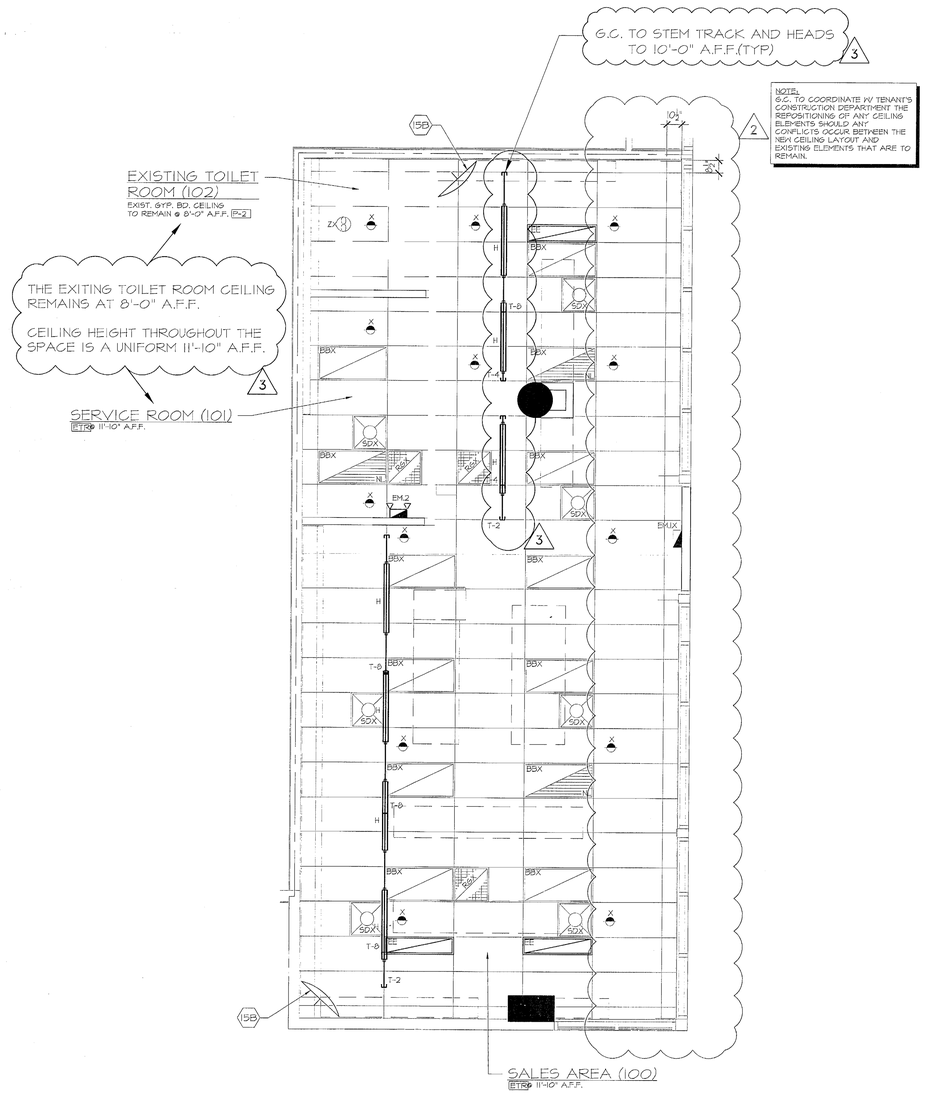
SHEET:
WE-316

MIAMI BEACH
REVIEWED FOR
CODE COMPLIANCE




## FLOOR PLAN

SCALE: 1/4" = 1'-0"

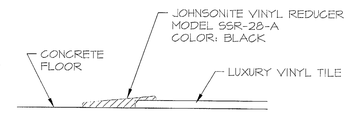



## REFLECTED CEILING PLAN

SCALE: 1/4" = 1'-0"

KEY NOTES:

1. LEASE LINE
3. WALL FIXTURES - SEE DETAIL A/F-2 & B/F-2 (TYPICAL)
3A. HALF GONDOLA FIXTURE - SEE MANUFACTURES INSTRUCTIONS FOR INSTALL
4B. SELF-CONTAINED COOLER - SEE ELEC. DWGS
4E. GONDOLA FIXTURE (TYPICAL)
4F. GONDOLA ENDCAP (TYPICAL)
4H. CASH AND WRAP
7. 10 lb. FIRE EXTINGUISHER - U.L. RATING 4-A-60BC
11. ELECTRICAL EQUIPMENT LOCATION. SEE ELECTRICAL DWGS
15B. CONVEX SECURITY MIRROR. (TYP. OF 2)
16. GRID SYSTEM - G.C. TO NEATLY NOTCH/CUT TO ACCOMMODATE EXISTING SPRINKLER HEAD OR WIDTH OF SHOW WINDOW (TYPICAL)
22. G.C. TO FURNISH AND INSTALL "CEILING" HOOK W/ NON-COMBUSTIBLE BLOCKING FOR SUPPORT LOCATE NEAR DUPLEX ELECTRICAL OUTLET - SEE ELEC. DWGS
23. THERMOSTAT (LIGHT-STAT MODEL#TMDABU) FURNISH BY TENANT INSTALLED BY G.C.
26. EXISTING HI/LO DRINKING FOUNTAINS BY LLD
27. EXISTING SERVICE SINK BY LLD




## TRANSITION DETAIL

A-1 FULL SCALE

## FINISH SCHEDULE

| ROOM | FLOOR | WALL | CEILING | COLUMNS | TRIM | DOORS | BASE |
|---|---|---|---|---|---|---|---|
| SALES AREA (100) | FC-2 | NOTE #2 | ETR | NONE | NOTE #2 | NOTE #2 | B-1 |
| SERVICE ROOM (101) | FC-2 | NOTE #5 | ETR | NONE | NONE | NOTE #3 | B-2 |
| TOILET ROOM (102) | ETR | EXIST./P-2 | EXIST./P-2 | NONE | NONE | EXIST. | EXIST. |

FINISH NOTES:
1. REFER TO 'GS-2' FOR FLOOR COVERING, PAINT, STAIN AND BASE MATERIALS.
2. SEE ELEVATIONS ON SHEET 'A-2' FOR FINISHES AND GRAPHICS LOCATIONS AND CLARIFICATIONS.
3. G.C. TO PAINT FRAME ONLY P-2
4. INSTALL BASE TO MATCH EXISTING AT NEW PARTITIONS
5. PRIME PAINT NEW PARTITIONS ONLY

## MERCHANDISE FIXTURE TYPES

| | | | |
|---|---|---|---|
| VM | VITAMIN WALL FIXTURE | VG | VITAMIN GONDOLA FIXTURE |
| DW | DIET WALL FIXTURE | SG | SPORTS GONDOLA FIXTURE |
| ENERGY | ENERGY WALL FIXTURE | PG | PERSONAL CARE GONDOLA FIXTURE |
| HERB | HERB WALL FIXTURE | NRG | NATURAL REMEDIES GONDOLA FIXTURE |
| NRM | NATURAL REMEDIES WALL FIXTURE | R.T.D. | READY TO DRINK GONDOLA FIXTURE |
| SW | SPORTS WALL FIXTURE | BARS | BARS GONDOLA FIXTURE |
| SNACKS | SNACKS GONDOLA FIXTURE | FOOD | FOOD GONDOLA FIXTURE |

## WALL TYPE LEGEND

NEW NON LOAD BEARING INTERIOR PARTITION SEE DETAILS ON SHEET A-5

EXISTING WALLS - FOR REFERENCE ONLY NO WORK REQUIRED SEE DETAILS ON SHEET A-5

## CEILING LEGEND

| | | | |
|---|---|---|---|
| | 2' x 4' RECESSED FLUORESCENT W/ PRISMATIC LENSE TO LAMPS | | DOWNLIGHT |
| N | 2' x 4' RECESSED FLUORESCENT W/ PRISMATIC LENSE - NIGHT LIGHT | | ADJUSTABLE DOWNLIGHT |
| | 1' x 4' RECESSED WALLWASHER | | LED TRACK MOUNTED SPOT |
| | 1' x 2' RECESSED WALLWASHER | | L.E.D. EXIT SIGN W/ DUAL EMERGENCY LIGHTS |
| | LED TRACK HEAD | | FLUSH MOUNTED SPRINKLER HEAD |
| | SURFACE MTD. TRACK | | SEMI-RECESSED SPRINKLER HEAD |
| | 48" TWO LAMP OPEN STRIP LIGHT | | FULLY-RECESSED SPRINKLER HEAD |
| | BIAX TRACK HEAD | | FAN/LIGHT COMBO |
| | | | RETURN AIR GRILLE |
| | | | SUPPLY AIR DIFFUSER |

| TABLE 803.11 INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY | | | | | | |
|---|---|---|---|---|---|---|
| GROUP | SPRINKLERED | | | NONSPRINKLERED | | |
| | INTERIOR EXIT STAIRWAYS AND RAMPS AND EXIT PASSAGEWAYS | CORRIDORS AND ENCLOSURE FOR EXIT ACCESS STAIRWAYS AND RAMPS | ROOMS AND ENCLOSED SPACES | INTERIOR EXIT STAIRWAYS AND RAMPS AND EXIT PASSAGEWAYS | CORRIDORS AND ENCLOSURE FOR EXIT ACCESS STAIRWAYS AND RAMPS | ROOMS AND ENCLOSED SPACES |
| M | B | C | C | A | B | C |

INTERIOR FINISHES: INTERIOR WALL, CEILING, FLOORS, DECORATIONS AND TRIM FINISH, SHALL COMPLY WITH FBCB CHAPTER 8. SHOW FINISH CLASS BASED ON TABLE 803.11. COMBUSTIBLE MATERIALS SHALL COMPLY WITH FBCB 805.

H FIXTURE BY GNC
X FIXTURE EXISTING
EE FIXTURE BY GNC

NOTE: ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR IN THE FIELD. SEE DISCLAIMER NOTE ON SHEET 'CS-1'.

GNC LIVE WELL
GENERAL NUTRITION CENTER, INC.
300 SIXTH AVENUE, PITTSBURGH, PA 15222
PHONE: 412-338-0967 FAX: 412-338-8878

RSW CONSULTANTS
2350 SOUTH LOOP 1604 WEST
SAN ANTONIO, TX 78216
PHONE: 210-408-1860

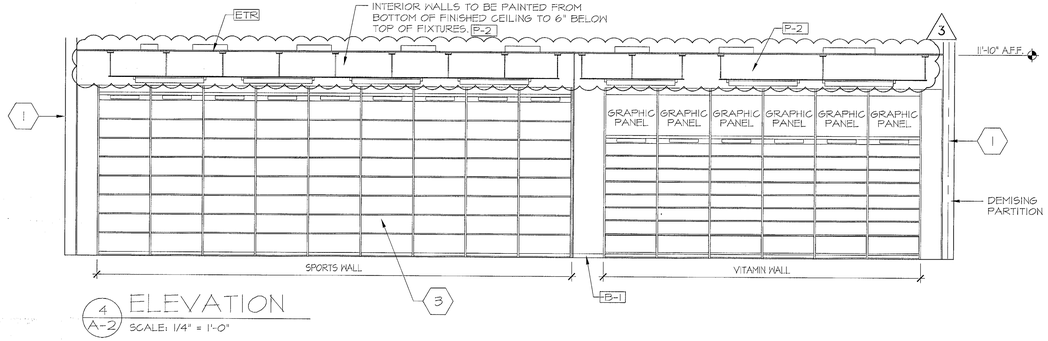
STATE OF FLORIDA
JIMMY LEE POWERS
AR0017748
REGISTERED ARCHITECT
JIMMY LEE POWERS
AR 0017748

| NO. | DATE | DESCRIPTION | BY | APPR. |
|---|---|---|---|---|
| 3 | 6/01/2016 | REVISIONS PER BLDG DEPT | GG | |
| 2 | 6/23/16 | REVISIONS PER LANDLORD | JRT | |

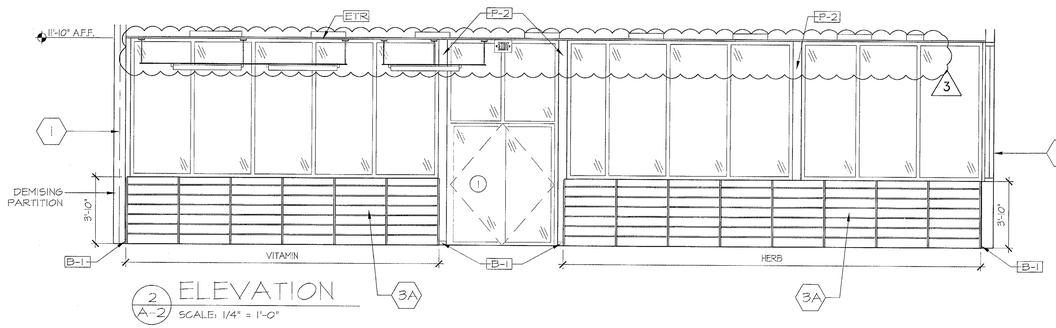
GNC
17TH & ALTON ROAD RETAIL
1698 ALTON ROAD
MIAMI BEACH, FL 33139
SPACE # 200

Store No. 2841
Drawn by: JRT
Date: 1/3/18
Checked By: AMP
Date: DATE CHECKED
Drawing Name: 02841.DWG
Drawing No. A-1

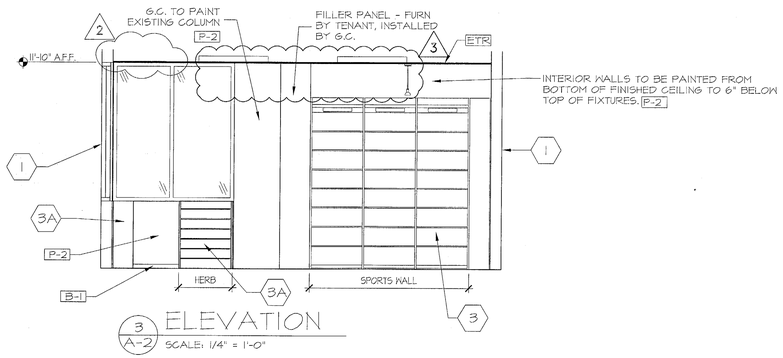
MIAMI BEACH
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CODE COMPLIANCE



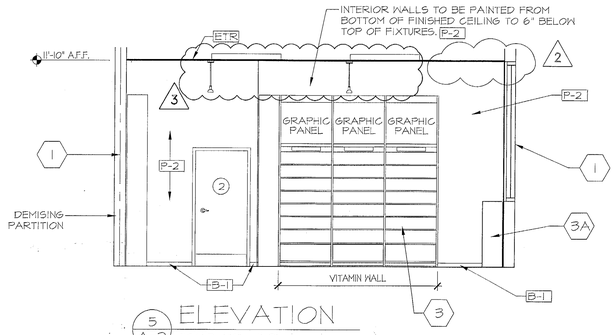

4 A-2 ELEVATION
SCALE: 1/4" = 1'-0"




2 A-2 ELEVATION
SCALE: 1/4" = 1'-0"




3 A-2 ELEVATION
SCALE: 1/4" = 1'-0"




5 A-2 ELEVATION
SCALE: 1/4" = 1'-0"

KEY NOTES:

1. LEASE LINE
3. WALL FIXTURES - SEE DETAIL A/F-2 & B/F-2 (TYPICAL).
3A. HALF GONDOLA FIXTURE - SEE MANUFACTURES INSTRUCTIONS FOR INSTALL

NOTE: ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR IN THE FIELD. SEE DISCLAIMER NOTE ON SHEET 'GS-1'.

GNC LIVE WELL
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RSW CONSULTANTS
20350 COLWICK
SAN ANTONIO, TX 78216
PHONE: 210-408-1860

STATE OF FLORIDA
JIMMY LEE POWERS
AR0017748
REGISTERED ARCHITECT

JIMMY LEE POWERS
AR 0017748

| NO. | DATE | DESCRIPTION | BY | APPR. |
|---|---|---|---|---|
| 3 | 10/16/2018 | REVISIONS PER BLDG DEPT | GG | |
| 2 | 8/23/18 | REVISIONS PER LANDLORD | JRT | |

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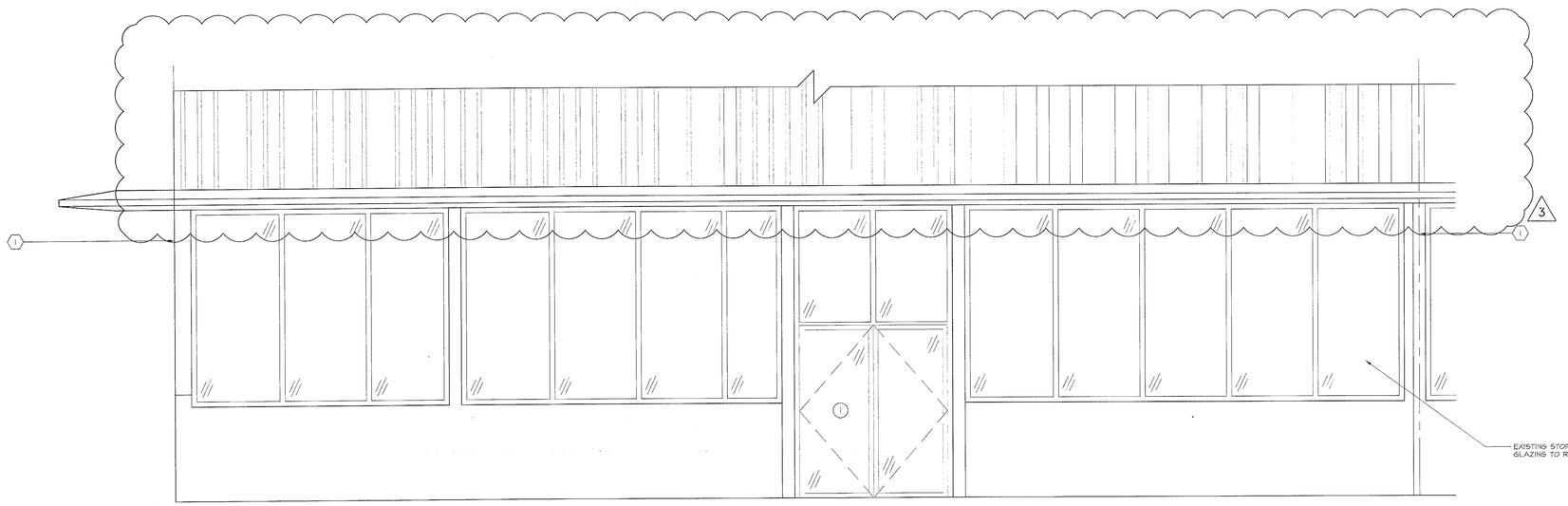
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| Store No. 2841 | |
| Drawn by: JRT | Date: 1/3/18 |
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| Drawing Name: 02841.DWG | |
| Drawing No. A-2 | |

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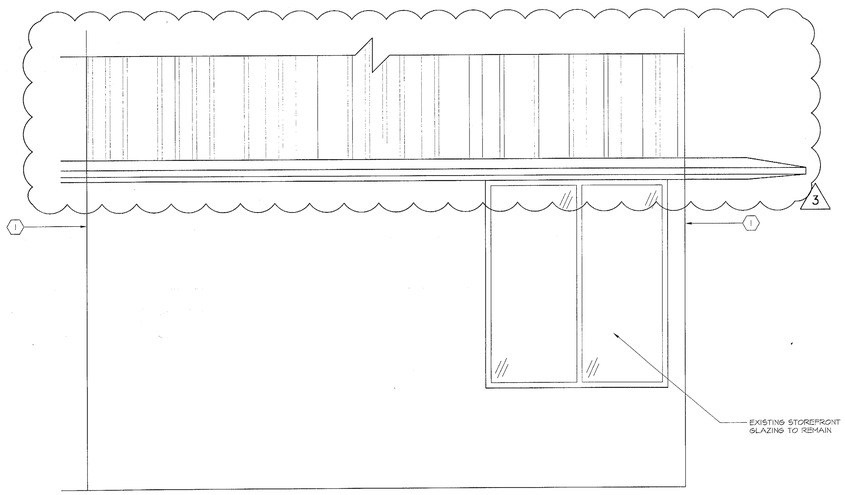
KEY NOTES:

1 LEASE LINE

18 STOREFRONT SIGN - FURNISHED BY SIGN CO. & INSTALLED BY SIGN CO.- SEE SHT. S1 FOR SIGN SHOP DRAWINGS AND ADDITIONAL DETAILS.




1-A / A-3 STOREFRONT ELEVATION
SCALE: 3/8" = 1'-0"




1-B / A-3 SIDE ELEVATION
SCALE: 3/8" = 1'-0"

ALL SIGNANGE HAS BEEN REMOVED AS REQUESTED BY BUILDING DEPARTMENT REVIEW 3

NOTE: ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR IN THE FIELD. SEE DISCLAIMER NOTE ON SHEET 'GS-1'.

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| | | REVISIONS | | |
| 3 | 10/02/2006 | REVISIONS PER BLDG DEPT COMMENTS | | |

GNC
17TH & ALTON ROAD RETAIL
1698 ALTON ROAD
MIAMI BEACH, FL 33139
SPACE #200

Store No. 284

| | |
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Drawing Name: 02841.DWG

Drawing No. A-3

MIAMI BEACH
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# DOOR SCHEDULE

| NO. | SIZE (WxHxTH) | DOOR | | FRAME | | THRESHOLD | HARDWARE | REMARKS |
|---|---|---|---|---|---|---|---|---|
| | | MATL. | TYPE | MATL. | TYPE | | | |
| 1 | 6'-0" x 7'-0" | EXIST. | EXIST. | EXIST. | EXIST. | EXIST. | - | - |
| 2 | 3'-0" x 6'-8" x 1 3/4" | EXIST. | EXIST. | EXIST. | EXIST. | EXIST. | - | - |
| 3 | 3'-0" x 6'-8" x 1 3/4" | EXIST. | EXIST. | EXIST. | EXIST. | EXIST. | - | - |
| | | | | | | | | |
| | | | | | | | | |

REMARKS:
1. GRILLE FURNISHED & INSTALLED BY MANUFACTURER.
2. FURNISHED, INSTALLED & PAINTED BY G.C. - PAINT FRAME P-2
3. EXISTING TO REMAIN - UPDATE HARDWARE AS REQUIRED.
4. ~~RELOCATED DOOR - SEE SHEETS D-1.1 & A-1.1 FOR NOTES.~~
5. G.C. TO STENCIL 4" LETTER (TENANT).

# HARDWARE SCHEDULE

HARDWARE SET 1
1 1/2-PR. BUTTS 3 1/2" x 3 1/2" STANLEY
1- PASSAGE LATCH HANDICAP STND. DUTY YALE 5325 W/ LEVER HANDLE.
1-CLOSER, GRADE 1 ANSI STANDARD A156-4-1980 SARGENT 251 SERIES
1-DOOR STOP, BASE HGT 5/32" CORBIN OR GLYNN JOHNSON
1-KICK PLATE, FURNISHED BY TENANT, INSTALLED BY G.C.

HARDWARE SET 2
1 1/2-PR. BUTTS 3 1/2" x 3 1/2" STANLEY 741
1-PRIVACY LATCH HANDICAP STND. DUTY YALE 5325 W/ LEVER HANDLE
1-CLOSER, HANDICAP, GRADE 1 ANSI STANDARD A156-4-1980 SARGENT 251 SERIES
1-DOOR STOP, BASE HGT 5/32" CORBIN OR GLYNN JOHNSON

HARDWARE SET 3
1 1/2-PR. BUTTS 4 1/2" x 4 1/2" STANLEY- F 179
1-RIM CYLINDER, 6 PIN W/FLAT TAIL PIECE
1-EXIT DEVICE ANSI STD. 156-4-1978 SARGENT 9700 OR VALE 1500
1-CLOSER, HANDICAP, GRADE 1 ANSI STD. A156-4-1980 SARGENT 251 SERIES
1-KICK PLATE, BB STN, STL. SARGENT 3816-320-8" x 35"
1-THRESHOLD 4" x 1/2" x DOOR WIDTH REESE 240A OR PENKO 190A

HARDWARE SET 4
FULL BOTTOM RAIL AT DOORS AND FIXED GLASS
BACK TO BACK 1" DIA. PULLS
PIVOTS TOP & BOTTOM
FLOOR LOCKS W/ THUMB TURNS @ INTERIOR
(4) DUSTPROOF STRIKES

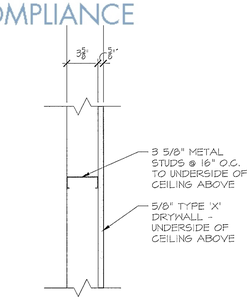
HARDWARE NOTES:

- ALL FINISHES: US26D OR US32D

- EXIT DOOR TO HAVE CODE APPROVED EXIT DEVICE, SELF CLOSER, POSITIVE LATCH AND FULL PERIMETER SMOKE SEAL GASKET ON FRAME. DOOR SHALL BE OPERABLE FROM EXITING SIDE WITHOUT USE OF KEY, SPECIAL KNOWLEDGE, OR EFFORT.

- "MEDECO" LOCKS (AS APPLICABLE) FOR ENTRANCE AND REAR SERVICE DOOR SHALL BE FURNISHED BY TENANT STORE PLANNING - CONSTRUCTION DEPT. - DIVISIONAL PROJECT MANAGER AND INSTALLED BY THE GENERAL CONTRACTOR.

- NOTE: THRESHOLD, WEATHER STRIP AND DOOR SWEEPS ARE TO BE IN LIKE NEW CONDITION. G.C. TO FURNISH AND INSTALL NEW AS NEEDED.




NON LOAD BEARING FURR OUT CONSTRUCTION

C

NOTE:
G.C. TO FINISH TAPE, SPACKLE, SAND, PRIME AND PAINT ALL DRYWALL.

## TYPICAL PARTITION TYPES

SCALE: 1 1/2" = 1'-0"

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| Checked By: AMP | Date: DATE CHECKED |

Drawing Name: 02841.DWG

Drawing No. A-5

MIAMI BEACH
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CODE COMPLIANCE

# AR[illegible]CATIONS

## 00 CONTRACT REQUIREMENTS
### GENERAL CONDITIONS

THE SPECIFICATIONS ARE COMPILED NOT ONLY TO ESTABLISH A STANDARD BUT TO ENSURE THE CONTRACTOR MAINTAINS A QUALITY IN THE PERFORMANCE AND FINISH OF THE WORK RECOMMENDED, FIND ACCEPTED BY THE TENANT. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FULLY ACQUAINTING THEMSELVES WITH THE CONTENT AND SCOPE OF THESE SPECIFICATIONS. SPECIAL ATTENTION SHOULD BE GIVEN TO THE SPECIFICATIONS THROUGHOUT THE SPAN OF THIS CONTRACT BY THE STANDARDS ESTABLISHED HEREIN AND SHALL BE APPLIED WITH EMPHASIS TO ALL WORK. WORK DECLARED UNACCEPTABLE BY THE TENANT OR TENANT'S AGENT SHALL BE CORRECTED IN A MANNER AND DEGREE OF QUALITY AS ACCEPTED BY THE TENANT.

NOTE:
IF G.C. IS NOT COMPLETE, ALL COSTS WILL BE CHARGED BACK TO THE GENERAL CONTRACTOR.

1. THE "GENERAL CONDITIONS" OF THE CONTRACT FOR CONSTRUCTION ARE TO BE DETERMINED BETWEEN THE TENANT AND GENERAL CONTRACTOR AND SHALL GOVERN THE CONSTRUCTION SEQUENCING, RESPECTIVE RESPONSIBILITIES AND PAYMENT SCHEDULES. ON-SITE FIELD OBSERVATION SHALL BE PERFORMED BY AN APPOINTED REPRESENTATIVE OF THE TENANT.
2. NO CONTRACTUAL ADJUSTMENT SHALL BE DUE OR COME IN DEMAND AS A RESULT OF FAILURE ON THE PART OF THE CONTRACTOR TO FULLY ACQUAINT THEMSELVES AND ALL OTHER PARTIES TO THE CONTRACT WITH THE AGREED UPON GENERAL CONDITIONS.
3. THE TENANT, WITHOUT INVALIDATING THE CONTRACT, MAY ORDER EXTRA WORK, ALTER, ADD TO OR DEDUCT FROM THE CONTRACT. THE CONTRACT SUM AND COMPLETION DATE SHALL BE ADJUSTED ACCORDINGLY.
4. THE GENERAL CONTRACTOR SHALL INCLUDE THE COST OF ALL PERMITS AND LICENSES IN THE CONTRACT. THE SUBCONTRACTORS SHALL INCLUDE ALL PERMIT AND LICENSE COSTS AS REQUIRED BY THEIR PROPOSALS TO THE GENERAL CONTRACTOR. PERMITS AND FEES TO INCLUDE CONNECTING ALL EQUIPMENT, FIXTURES, SERVICES AND UTILITIES AS REQUIRED.
5. THE COSTS SUBMITTED BY THE CONTRACTOR ARE UNDERSTOOD IN EVERY CASE TO INCLUDE ALL GOVERNMENT AND MUNICIPAL TAXES AND FEES OF EVERY KIND, AND THE TENANTS SHALL NOT BE CALLED UPON TO MAKE ANY PAYMENTS ON SUCH TAXES IN ADDITION TO THE CONTRACT AMOUNT.

## 01 GENERAL REQUIREMENTS
### EXISTING CONDITIONS

1. PRIOR TO SUBMITTING BID PROPOSALS, THE TENANT'S CONTRACTOR AND EACH SUBCONTRACTOR SHALL VISIT THE PROPOSED SPACE AND MAKE THEMSELVES FAMILIAR WITH ALL EXISTING CONDITIONS, TAKE FIELD MEASUREMENTS AND RECORD ALL INFORMATION NEEDED TO PROVIDE A COMPLETE SCOPE OF WORK.
2. NOTIFY THE TENANT IMMEDIATELY OF CONDITIONS WHICH MAY CONTRIBUTE TO UNNECESSARY, EXCESSIVE COSTS.
3. NO ADDITIONAL COMPENSATION WILL BE PAID BY THE TENANT FOR DISPUTES WHICH RESULT FROM A LACK OF FAMILIARITY WITH THE EXISTING CONDITIONS.
4. EXISTING CONDITIONS TAKE PRECEDENCE OVER DRAWINGS AND SPECIFICATIONS FOR DIMENSIONS.
5. SPECIAL ATTENTION SHOULD BE GIVEN TO DIMENSIONS INDICATED AS "HOLD" AND "VERIFY IN FIELD (V.I.F.)" DIMENSIONS. THE GENERAL CONTRACTOR AND SUB TRADES SHALL VERIFY ALL EXISTING DIMENSIONS AND LOCATIONS OF STUB-INS. THE GENERAL CONTRACTOR SHALL BE LIABLE FOR ALL COSTS INCURRED BY THEMSELVES OR OTHERS BY FAILING TO MAINTAIN THE DIMENSIONS ON THE DRAWINGS OR CONTACTING THE TENANT IN THE CASE OF DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND DIMENSIONS ON THE DRAWINGS.

## 02 SELECTIVE DEMOLITION

1. THE WORK INCLUDED IN THIS SUBCONTRACT SHALL BE PERFORMED ACCORDING TO THE GENERAL CONDITIONS AND REQUIREMENTS WHICH ARE STATED ON THIS SET OF DRAWINGS.
2. PAY REQUIRED FEES AND SECURE PERMITS.
3. THE CONTRACTOR PERFORMING DEMOLITION SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING FIELD CONDITIONS SO AS TO FAMILIARIZE THEMSELVES WITH THE DEMOLITION AND/OR REMOVAL WORK WHICH MAY BE REQUIRED TO PRODUCE THE END RESULTS INTENDED IN THE CONTRACT DOCUMENTS.
4. EACH PORTION OF THE DEMOLITION WORK IS TO BE DONE BY THE SPECIFIC TRADE, THAT IS CARPENTRY WORK BY THE CARPENTRY TRADE, MECHANICAL WORK BY THE MECHANICAL TRADES, ELECTRICAL WORK BY THE ELECTRICAL TRADES, AND SO ON. THEREFORE, EACH CONTRACTOR AND SUBCONTRACTOR SHALL THOROUGHLY EXAMINE THE PROPOSED WORK AND MAKE ALLOWANCES IN HIS PROPOSAL FOR THE COST OF ALL DEMOLITION, UNLESS OTHERWISE NOTIFIED BY GENERAL CONTRACTOR.
5. REMOVE ALL DEBRIS DAILY TO AREA DESIGNATED BY MALL REPRESENTATIVE.
6. PROVIDE TEMPORARY BRACING, SHORING AND SUPPORTS AS REQUIRED FOR EXISTING STRUCTURAL SYSTEMS TO PREVENT DAMAGE DURING CONSTRUCTION.
7. DISPOSAL SHALL BE DONE LEGALLY IN COMPLIANCE WITH LOCAL ORDINANCES AND STATE ENVIRONMENTAL REGULATIONS.
8. THE GENERAL CONTRACTOR SHALL INCLUDE IN ONE'S WORK, THE ERECTION OF A BARRICADE PROVIDED BY THE LANDLORD. IF NONE IS PROVIDED, GENERAL CONTRACTOR SHALL CONSTRUCT A BARRICADE 3'-0" BEYOND LEASELINE. SECURE IN A NEAT AND STABLE FASHION WITHOUT ANCHORING DIRECTLY TO MALL FLOOR. INSTALL A NYLON REINFORCED PLASTIC DUST BARRIER AT TOP AND SIDES. CONTRACTOR SHALL INCLUDE IN ONE'S COST THE REMOVAL OF SAME.
9. GENERAL CONTRACTOR SHALL REMOVE ALL EXISTING FLOOR COVERINGS FROM SPACE; REPAIR, PATCH, LEVEL, SMOOTH AND PREPARE EXISTING SLAB AS REQUIRED FOR INSTALLATION OF NEW FLOOR COVERINGS.
10. ALL CEILING CONSTRUCTION (INCLUDING, BUT NOT LIMITED TO, DROPS, BULKHEADS, LIGHTING, DIFFUSERS, ETC.) SHALL BE REMOVED UNLESS SPECIFICALLY CALLED OUT TO REMAIN ON DEMOLITION PLAN.
11. THE ELECTRICAL CONTRACTOR SHALL REMOVE AND/OR RELOCATE ALL EXISTING ELECTRICAL DEVICES, CONDUIT AND WIRING WORK AS CALLED OUT ON THE DRAWINGS AND AS NECESSARY WHETHER SUCH ITEMS ARE INDICATED ON DRAWINGS OR NOT, IN ORDER TO ACCOMPLISH THE INSTALLATION OF THE SPECIFIED NEW WORK-EQUIPMENT MATERIAL AND DEVICES REMOVED SHALL BECOME THE PROPERTY OF CONTRACTOR (IF APPROVED BY TENANT). SUCH ITEMS MAY BE REUSED IF SPECIFICALLY DESIGNATED ON THE DRAWINGS, CONDUIT, WIRE AND OUTLET BOXES REMOVED SHALL BE SCRAPPED BY THE ELECTRICAL CONTRACTOR WHERE WALLS AND CEILINGS ARE TO BE REMOVED AS SHOWN ON THE DRAWINGS. THE CONDUIT IS TO BE CUT OFF BY THE ELECTRICAL CONTRACTOR SO THAT THE ABANDONED CONDUIT IN THESE WALLS AND CEILING MAY BE REMOVED FROM THE WALLS AND CEILINGS BY THE DEMOLITION CONTRACTOR. ALL DEAD END CONDUIT RUNS SHALL BE PLUGGED AT THE REMAINING LINE OUTLET BOXES OR AT THE PANELS.
12. G.C. TO VERIFY ALL EXISTING GRADES CORRESPONDING TO TENANT DESIGN PACKAGE IN FIELD PRIOR TO CONSTRUCTION.

## 03 MODIFICATION PROCEDURES

SUBSTITUTIONS & CHANGES

1. DO NOT SUBSTITUTE MATERIALS, EQUIPMENT OR METHODS UNLESS SUCH SUBSTITUTION HAS BEEN APPROVED SPECIFICALLY IN WRITING BY THE TENANT.
2. NOTIFY THE TENANT IMMEDIATELY BY TELEPHONE OF ANY HIDDEN, UNFORESEEN CONDITIONS AND ANY REQUIREMENTS IMPOSED BY THE LANDLORD WHICH IMPACT THE WORK. CONFIRM ALL NOTIFICATIONS AND ACTION REQUIRED IN WRITING WITHIN 24 HOURS OF THE EVENT.
3. MILESTONE DATE CHANGES MUST BE MADE IN WRITING BY TENANT.
4. THE TENANT HAS CHOSEN MATERIALS FOR USE ON THIS PROJECT AS SPECIFIED. UPON AWARD OF THE CONTRACT, THE SPECIFIED MATERIALS SHALL BE ORDERED IMMEDIATELY AND ALL DELIVERIES CONFIRMED TO MEET THE COMPLETION DATE. DELAY IN ORDERING, RESULTING IN MATERIALS NOT BEING AVAILABLE TO THE CONTRACTOR FOR COMPLETION OF ALL WORK ON SCHEDULE AND RESULTING IN EXTRAS, WILL BE THE RESPONSIBILITY OF THE TRADE RESPONSIBLE FOR SUCH DELAYS. MATERIALS THAT ARE UNAVAILABLE FOR INCLUSION IN THE PROJECT THAT, AS A RESULT CAUSE DELAYS, REQUIRE THE TENANT TO CHOOSE AND APPROVE NEW REPLACEMENT MATERIALS SATISFACTORY TO THE PROJECT, MAY RESULT IN BACK CHARGES TO THE SAID TRADE, UNLESS THE TENANT HAS BEEN ADVISED WITH SUFFICIENT TIME TO MAKE SUCH MATERIAL REVISIONS. DELIVERY OF TENANT-FURNISHED ITEMS: THE CONTRACTOR WILL ADVISE THE TENANT IN WRITING, WITHIN SEVEN (7) DAYS AFTER AWARDING, THE EXACT DELIVERY DATES AND LOCATIONS THEY WISH TO RECEIVE ALL FURNISHED ITEMS. ITEMS NOT SCHEDULED WITHIN SEVEN (7) DAYS WILL BE SCHEDULED AND DELIVERED AT THE TENANT'S OPTION.

## 04 COORDINATION OR SCHEDULE

1. THE TENANT'S CONTRACTOR AND EACH SUBCONTRACTOR SHALL BE THOROUGHLY FAMILIAR WITH THE WORK SHOWN ON THE DRAWINGS AND ON OTHER CONTRACT DOCUMENTS.
2. ALL SAID PARTIES ARE TO NOTIFY TENANT IMMEDIATELY OF ANY DISCREPANCIES CONTAINED WITHIN THE CONTRACT DOCUMENTS PRIOR TO PROCEEDING WITH ACTION WHICH MAY RESULT IN "EXTRA" OR ADDITIONAL COST TO THE TENANT.
3. EACH SUBCONTRACTOR SHALL COORDINATE THEIR WORK WITH THAT OF OTHERS AND BE AWARE OF ALL RELATED WORK TO BE PERFORMED BY OTHERS, VIA THE TENANT'S CONTRACTOR.
4. THE GENERAL CONTRACTOR SHALL VERIFY THE RESPONSIBILITIES OF THE PROJECT LANDLORD IN RESPECT TO THE EXTENT AND TYPE OF WORK REQUIRED FOR THE STORE. THE GENERAL CONTRACTOR SHALL NOTIFY TENANT OF ANY DISCREPANCIES BETWEEN THE PROJECT LANDLORD'S RESPONSIBILITIES AND THOSE INDICATED ON THE DRAWINGS. THE GENERAL CONTRACTOR SHALL ALSO COORDINATE THE INSTALLATION OF THE LANDLORD'S WORK WITH THE PROJECT AND ALSO PROVIDE REQUIRED COMPLETION DATES FOR ITEMS IN THE LANDLORD'S SCOPE OF WORK TO THE LANDLORD'S CONTRACTOR.
5. THE CONTRACTOR SHALL, AT ALL TIMES, AFFORD ACCESS TO THE TENANT LANDLORD AND/OR AGENTS AND EMPLOYEES TO THE WORK WHEREVER IT IS IN PREPARATION AND PROGRESS. THE CONTRACTOR SHALL PROVIDE FACILITIES NECESSARY FOR SUCH ACCESS FOR THE TENANT OR LANDLORD TO PERFORM THEIR FUNCTIONS UNDER THE CONTRACT DOCUMENTS.
6. G.C. TO ACCOUNT FOR AND INSPECT ALL MILLWORK FIXTURES AND ASSORTED ACCESSORIES WITHIN 24 HOURS OF DELIVERY TO ASSURE THE CONDITION AND QUANTITY. NOTIFY THE TENANT AND THE APPROPRIATE DISTRIBUTORS WITHIN 24 HOURS IF THE CONDITION OR QUANTITY OF THE AFOREMENTIONED ITEMS ARE NOT IN ACCORDANCE WITH THE SCHEDULES AND SPECIFICATIONS CONTAINED IN THE CONTRACT DOCUMENTS.
7. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE TENANT DIVISIONAL MERCHANDISING MANAGER OR REGIONAL SALES DIRECTOR OR CONSTRUCTION PROJECT MANAGER AT THEIR MOST AVAILABLE DATE WHEN CONSTRUCTION IS COMPLETE, FOR VISITING THE JOB SITE AND DOING THE PUNCH LIST.
8. ALL SUB CONTRACTORS SHALL COORDINATE THEIR WORK WITH THE WORK OF OTHERS OR WITH EXISTING CONDITIONS OCCURRING ABOVE OR BELOW THE PREMISES AND SHALL MAKE CHANGES FROM TIME TO TIME AS REQUIRED TO ACCOMMODATE SUCH WORK OR CONDITIONS. ALL CHANGES THAT SHALL EFFECT THE FINAL APPEARANCE OF THE PROJECT SHALL BE APPROVED IN ADVANCE BY TENANT.
9. THE PROJECT LANDLORD'S ROOFING CONTRACTORS WILL, AT SUB TRADES' WRITTEN REQUEST AND COSTS, PROVIDE OPENINGS, ANCHORING DEVICES, CURBS, FLASHING, PATCHES, ETC. AS REQUIRED FOR EQUIPMENT. ALL SUB-TRADES TO INCLUDE THE COST OF ALL SUCH WORK IN THEIR PROPOSALS. (AS REQUIRED).
10. CONTRACTOR WILL CONTACT FIXTURE AND MATERIAL SUPPLIERS TO SCHEDULE ALL DELIVERIES.

## 05 REGULATORY REQUIREMENTS

1. COMPLY WITH THE STATE AND LOCAL CODES - REFER TO SHEET CS-1 FOR BUILDING CODE REQUIREMENTS.
2. ALL TRADES AND SUB SHALL BE REGISTERED WITH THE CITY, COUNTY, STATE AND AUTHORITIES AS REQUIRED.
3. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CERTIFICATE OF OCCUPANCY FROM THE GOVERNING AUTHORITY.
4. ALL TRADES SHALL CONFORM WITH ALL APPLICABLE FEDERAL, STATE, MUNICIPAL, PROJECT MALL DEVELOPER AND/OR BUILDING, TENANT AND O.S.H.A. CODES, RULES AND REGULATION.
5. G.C. TO SUBMIT PLANS TO LOCAL HEALTH DEPT. FOR APPROVAL.

## 06 SPECIAL REQUIREMENTS

1. WORK SHALL BE COMPLETED IN A TIMELY MANNER, CONSISTENT WITH THE TENANT APPROVED CONSTRUCTION SCHEDULE.
2. THE SUPERINTENDENT WILL BE REQUIRED TO MAINTAIN A DAILY JOURNAL OF EVENTS WHICH SHALL INCLUDE WORK PERFORMED, NUMBER OF WORKERS, OF EACH TRADE ON JOB, CONSTRUCTION CHANGES, TELEPHONE CALLS, ETC. JOURNAL TO BE PROVIDED TO THE TENANT AT END OF CONSTRUCTION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE TO THE TENANT FOR ACTS AND OMISSIONS OF HIS EMPLOYEES, SUB-CONTRACTORS AND THEIR AGENTS AND EMPLOYEES, AND OTHER PERSONS PERFORMING ANY OF THE WORK UNDER A CONTRACT WITH THE CONTRACTOR.
4. THE CONTRACTOR AGREES THAT IN THE PERFORMANCES OF THE WORK CALLED FOR BY THE CONTRACT AND CONTRACT DRAWINGS, WILL ONLY EMPLOY SUCH LABOR AS NOT TO DELAY OR INTERFERE WITH THE SPEEDY AND LAWFUL PROGRESS OF THE PROJECT AND AS WILL BE ACCEPTABLE TO AND WORK IN HARMONY WITH ALL OTHER WORKERS EMPLOYED ON THE CONSTRUCTION SITE OR ON ANY OTHER BUILDING, STRUCTURE OR OTHER IMPROVEMENT WHETHER PUBLIC OR PRIVATE WHICH THE GENERAL CONTRACTOR MAY THEN BE ERECTING OR ALTERING.
5. CONTRACTOR'S SIGNS MAY NOT BE DISPLAYED ON BARRICADES.
6. BUILDING DOORS ARE NOT TO BE PROPPED OPEN BY CONSTRUCTION WORKERS AT ANY TIME.
7. THERE WILL BE NO STORAGE OF MATERIALS OR RUBBISH IN CORRIDORS OR OTHER TENANT AREAS AT ANY TIME. IF DEBRIS IS FOUND IN THESE AREAS, IT WILL BE REMOVED AT THE EXPENSE OF THE CONTRACTOR RESPONSIBLE.
8. MATERIALS AND EQUIPMENT SHALL BE STORED AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, WITH SEALS AND LABELS INTACT AND LEGIBLE. SHOULD A CONFLICT OR DISCREPANCY EXIST BETWEEN MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS, AND THOSE ON THE DRAWINGS, THE GENERAL CONTRACTOR SHALL CONTACT TENANT PRIOR TO FURTHER WORK IN THE AREA OF QUESTION.
9. THE CONTRACTOR AGREES TO ACCEPT ALL TENANT FURNISHED ITEMS AT THE JOB SITE OR DESIGNATED STORAGE SPACE AND UNLOAD THESE ITEMS FROM THE DELIVERY TRANSPORT TO STORE PREMISES. ITEMS DELIVERED TO A DESIGNATED STORAGE SPACE SHALL BE DELIVERED BY GENERAL CONTRACTOR.
10. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY OF THE PROJECT AND MATERIALS, WHETHER STORED WITHIN THE PREMISES OR ELSEWHERE UNTIL THE POINT OF COMPLETION. THIS SHALL INCLUDE ALL TENANT AND LANDLORD-FURNISHED ITEMS ACCEPTED BY THE CONTRACTOR.

## 07 SUBMITTALS

1. THE GENERAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS (2 COPIES) FOR THE FIRE PROTECTION SPRINKLERS (WITH FIRE MARSHALL'S AND UNDERWRITER'S APPROVAL THEREON. CC TO THE LANDLORD'S REP.). ELECTRICAL PANELS, SWITCH GEAR AND TRANSFORMERS, AIR CONDITIONING EQUIPMENT, PLUMBING FIXTURES, DOORS, WINDOWS, STRUCTURAL STEEL AND MISCELLANEOUS IRON WORK, ETC. (5 COPIES) TO LANDLORD REP.
2. NO PORTION OF THE WORK REQUIRING SUBMISSION OF A SHOP DRAWING, PRODUCT DATA OR SAMPLES SHALL BE COMMENCED UNTIL THE SUBMITTAL HAS BEEN APPROVED BY THE TENANT. ALL SUCH PORTIONS OF THE WORK SHALL BE IN ACCORDANCE WITH APPROVED SUBMITTALS.
3. THE CONTRACTOR SHALL NOT BE RELIEVED FROM RESPONSIBILITY FOR ERRORS OR OMISSIONS IN THE SHOP DRAWINGS, PRODUCT DATA OR SAMPLES.

## 08 QUALITY CONTROL

1. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, ISSUING THEIR BEST SKILLS AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL FABRICATION, SHIPMENT, DELIVERY AND INSTALLATION MEANS, METHODS TECHNIQUES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
2. WHEN THE TENANT'S MATERIAL IS RECEIVED AT THE JOB SITE, THE SUPERINTENDENT IS TO INVENTORY AGAINST THE TENANT'S VENDORS LIST AND SHALL NOTIFY THE TENANT'S PROJECT MANAGER IMMEDIATELY. IF NOTIFICATION IS NOT FORTHCOMING, REPLACEMENT OF SHORTAGES OR DAMAGED MATERIALS SHALL BE BACK CHARGED TO THE GENERAL CONTRACTOR.
3. THE CONTRACTOR SHALL EMPLOY A COMPETENT SUPERINTENDENT AND NECESSARY ASSISTANTS WHO SHALL BE IN ATTENDANCE OF THE PROJECT PREMISES DURING THE PROGRESS OF THE WORK. THE SUPERINTENDENT SHALL REPRESENT THE CONTRACTOR AND ALL COMMUNICATIONS GIVEN TO THE SUPERINTENDENT SHALL BE AS BINDING AS IF GIVEN TO THE CONTRACTOR.
4. THE CONTRACTOR SHALL, AT ALL TIMES, ENFORCE STRICT DISCIPLINE AND GOOD ORDER AMONG HIS EMPLOYEES AND SHALL NOT EMPLOY ON THE WORK ANY UNFIT PERSON OR ANY PERSON NOT SKILLED IN THE TASK ASSIGNED.
5. ALL TRADES SHALL CONFINE CONSTRUCTION WORK WITHIN THE PREMISES AS MUCH AS POSSIBLE AND SHALL WORK IN AN ORDERLY MANNER REMOVING TRASH AND DEBRIS FROM THE PROJECT ON A DAILY BASIS. AT NO TIME SHALL PIPES, WIRES, BOARDS OR OTHER CONSTRUCTION MATERIALS CROSS PUBLIC AREAS WHERE HARM COULD BE CAUSED TO THE PUBLIC.
6. ALL MATERIALS USED IN CONSTRUCTION SHALL BE NEW AND OF FIRST CLASS QUALITY UNLESS OTHERWISE INDICATED. ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR AFTER DATE OF THE OPENING OF THE STORE.
7. PRODUCT SAMPLES, MANUFACTURER'S DATA AND SHOP DRAWINGS SHALL BE SUBMITTED TO TENANT FOR REVIEW PRIOR TO FABRICATION OR START OF WORK.
   THE TERMS EQUAL OR APPROVED EQUAL SHALL REQUIRE REQUESTS FOR SUBSTITUTIONS FOR PRODUCTS OR MANUFACTURERS NOT SPECIFIED. REQUESTS FOR SUBSTITUTIONS SHALL BE SUBMITTED WITHIN THREE (3) CALENDAR DAYS PRIOR TO DATE OF BID SUBMISSION. APPROVED SUBSTITUTIONS SHALL BE LISTED IN THE BID SUBMISSION.

## 09 TEMPORARY SERVICES

1. THE GENERAL CONTRACTOR SHALL PROVIDE SUCH EXTENSIONS, DEVICES, HOOKUPS AND METERING AS REQUIRED FOR TEMPORARY WATER, POWER, LIGHTING, HEAT OR AS REQUIRED TO CARRY OUT THE WORK. ALL TEMPORARY UTILITIES AT GENERAL CONTRACTOR'S EXPENSES.
   A. TEMPORARY TELEPHONE - THE TENANT'S GENERAL CONTRACTOR SHALL INSTALL A JOB SITE TELEPHONE AND FAX NUMBER AND NOTIFY TENANT BY FAX OF THE TELEPHONE NUMBER AND THE NAME OF THE SUPERINTENDENT.
   B. TEMPORARY WATER - WATER REQUIRED IN THE PERFORMANCE OF THE CONTRACT SHALL BE PROVIDED AND PAID FOR BY THE CONTRACTOR. WATER USED FOR HUMAN CONSUMPTION SHALL CONFORM TO THE REQUIREMENTS OF STATE AND LOCAL AUTHORITIES FOR PORTABLE WATER.
   C. TEMPORARY ELECTRICAL - TEMPORARY ELECTRICAL SERVICE SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. SUPPLIED BY TENANT/LANDLORD.
   D. TEMPORARY HEAT - WHEN REQUIRED FOR PROPER INSTALLATION OR PROTECTION OF ANY PORTION OF THE WORK. THE CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY HEATING UNITS AS APPROVED BY THE LANDLORD OR LOCAL AUTHORITY.
2. COST OF TEMPORARY UTILITY SERVICES PROVIDED BY LANDLORD. IF HE ELECTS TO DO SO, THE CONTRACTOR SHALL MAKE PROVISIONS OR COORDINATE WITH THE LANDLORD ON GENERAL CONSTRUCTION OF THE UTILITY SERVICES.

## 10 CONTRACT CLOSE-OUT

1. COMPLETION IS THE DATE CERTIFIED BY TENANT ON WHICH THE WORK OR DESIGNATED PORTION THEREOF IS SUFFICIENTLY COMPLETE SO THE TENANT MAY OCCUPY THE SAME FOR THE INTENDED PURPOSE.
2. PROVIDE THE FOLLOWING FOR CLOSE-OUT:
   A. -G.C.'S FINAL WAIVERS (NEED TWO ORIGINALS, SIGNED & NOTARIZED)
   B. -G.C.'S ONE YEAR WARRANTY (ON TENANT'S FORM)
   C. -G.C.'S AFFIDAVITS G106 & G106A
   D. -SUBCONTRACTOR'S FINAL WAIVERS (NEED TWO ORIGINALS, SIGNED AND NOTARIZED)
   E. -SUBCONTRACTOR'S ONE YEAR WARRANTY (ON THEIR LETTER-HEAD IS ACCEPTABLE)
   F. -CERTIFICATE OF OCCUPANCY
   G. -AS BUILT DRAWINGS
   H. -PICTURES OF CONSTRUCTED SPACE
   I. -SIGNED OFF PUNCHLIST

   THE FOLLOWING DOCUMENTATION IF REQUIRED:
   1. -5- YEAR MANUFACTURER'S COMPRESSOR WARRANTY
   2. -AIR BALANCE REPORT
   3. -APPROVED SPRINKLER SHOP DRAWINGS

NOTE: ALL PAPERWORK TO BE SUBMITTED 24 DAYS AFTER COMPLETION DATE.

## 11 FINAL CLEANING

1 - GENERAL

A. THE WORK INCLUDED IN THIS SUBCONTRACT SHALL BE PERFORMED ACCORDING TO THE GENERAL CONDITIONS AND REQUIREMENTS WHICH ARE STATED ON THIS SET OF DRAWINGS.
B. EACH SUBCONTRACTOR SHALL CLEAN HIS/HER WORK AND REMOVE ALL TRASH, DEBRIS, PACKING, ETC. RESULTING FROM THAT WORK.
C. THE FINAL CLEANING SHALL BE PERFORMED BY A PROFESSIONAL CLEANING COMPANY.
D. ALL SURFACES AND FINISHED SHALL BE LEFT FREE OF MARKS, BLEMISHES, DIRT, DUST, PAINT SPILLS, ETC.
E. ALL SUB CONTRACTORS SHALL REMOVE EXCESS MATERIALS AFTER WORK IS COMPLETED AND FLOOR TO BE BROOM CLEANED.
F. GENERAL CONTRACTOR SHALL PROVIDE A PROFESSIONAL CLEANING SERVICE FOR ALL AREAS OF THE STORE AT THE COMPLETION OF THE PROJECT AND BEFORE TURNING THE SPACE OVER TO THE TENANT. WORK TO INCLUDE BUT NOT BE LIMITED TO REMOVAL OF ALL TRACES OF SOIL, WASTE MATERIALS, SMUDGES, AND FOREIGN MATTER. REMOVE ALL TRACES OF SPLASHED MATERIAL FROM ADJACENT SURFACES. CLEAN GLASS, BOTH SIDES. TO SURFACES REQUIRING POLISH, APPLY POLISH RECOMMENDED BY THE MANUFACTURER OF THE MATERIAL BEING POLISHED. FLOORING REQUIRING WAXING, AFTER ADHESIVE HAS FULLY DRIED SHALL HAVE ANY DRIED ADHESIVES REMOVED. THE FLOOR SHALL BE CLEANED AND WAXED USING MANUFACTURER'S RECOMMENDED CLEANING AND WAXING MATERIALS ONLY.

2 - PRODUCTS AND MATERIALS

A. ALL PRODUCTS USED FOR CLEANING SHALL BE APPROPRIATE FOR AND COMPATIBLE WITH THE MATERIALS BEING CLEANED.

3 - EXECUTION

A. CLEAN ALL PLASTIC LAMINATES, COUNTER TOPS AND METAL TRIM WITH NON-ABRASIVE CLEANSERS.
B. CLEAN ALL GLASS AND MIRRORS WITH AMMONIA-TYPE, NON-STREAKING GLASS CLEANER.
C. DAMP WIPE ALL FIXTURES, INCLUDING LIGHT FIXTURES.
D. REMOVE LABELS, EXCEPT FOR THOSE REQUIRED TO DEMONSTRATE COMPLIANCE WITH BUILDING CODES, FIRE-RATINGS AND TESTING. ALSO REMOVE ALL RESIDUE AND GLUE REMAINING ON THE SURFACE.
E. TOILET ROOMS - ALL FIXTURES AND WASHABLE SURFACES IN THE TOILET ROOMS SHALL BE CLEANED, SANITIZED AND POLISHED.
F. ELECTRICAL PANELS AND FLOOR MOUNTED MECHANICAL EQUIPMENT SHALL BE DUSTED AND WIPED CLEAN.
G. VINYL COMPOSITION TILE - WASH, SEAL AND WAX.
H. WOOD FLOORING - FINISH PER DIRECTION OF TENANT REPRESENTATIVE.
I. REMOVE PROTECTIVE COVERINGS AND TAGS.
J. REMOVE AND DISPOSE OF ALL TRASH, SCRAPS, PACKING, ETC. DISPOSAL SHALL BE IN ACCORDANCE WITH THE LANDLORD'S REQUIREMENTS.
K. TRIM - WIPE CLEAN
L. SOFFITS - DUST CLEAN.

## 12 CONCRETE SLAB WORK

CAST IN PLACE CONCRETE

A. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE IF CONCRETE SLAB WORK IS REQUIRED IN ALL OR PART OF THE LEASED SPACE. SUCH FLOOR SLAB WORK SHALL BE INSTALLED IN ACCORDANCE WITH ALL REQUIREMENTS, LOCAL CODES, AND COMMON STANDARDS OF PRACTICE FOR THE LOCALITY OF THE PROJECT OR WHICHEVER IS MOST STRICT.

B. REFERENCE STANDARDS. ALL CONCRETE WORK SHALL BE PERFORMED IN ACCORDANCE WITH ACI 301-89, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS", WHICH IS INCORPORATED INTO THE CONTRACT DOCUMENTS BY REFERENCE HEREIN

C. G.C. TO WET FLOOR BEFORE GRINDING TO MINIMIZE DUST.

## 13 MASONRY WORK

UNIT MASONRY

A. THE CONTRACTOR IS RESPONSIBLE TO IDENTIFY ALL REQUIRED UNIT MASONRY WORK NOT SPECIFICALLY IDENTIFIED AND DETAILED ON THE DRAWINGS. ALL UNIT MASONRY WORK SHALL BE INSTALLED IN ACCORDANCE WITH ALL REQUIREMENTS LOCAL CODES AND COMMON STANDARDS OF PRACTICE FOR THE LOCALITY OF THE PROJECT OR WHICHEVER IS MOST STRICT.

B. REFERENCE STANDARDS. ALL UNIT MASONRY WORK SHALL BE PERFORMED IN ACCORDANCE WITH ACI 503.1-88, "SPECIFICATIONS FOR MASONRY STRUCTURES", WHICH IS INCORPORATED INTO THE CONTRACT DOCUMENTS BY REFERENCE HEREIN.

## 14 METALS

1 - GENERAL

A. THE WORK INCLUDED IN THIS SUBCONTRACT SHALL BE PERFORMED ACCORDING TO THE GENERAL CONDITIONS AND REQUIREMENTS WHICH ARE STATED ON THIS SET OF DRAWINGS.
B. COORDINATE THIS WORK WITH THE RELATED WORK OF OTHERS WHICH INCLUDES BUT IS NOT NECESSARILY LIMITED TO THE FOLLOWING:
   A. FINISHES
C. FURNISH AND INSTALL METAL FABRICATIONS WHICH INCLUDE BUT ARE NOT NECESSARILY LIMITED TO BLOCKING/STRAPPING, LIGHT GAUGE METAL FRAMING, WALL SYSTEM AND MISCELLANEOUS METALS.

2 - PRODUCTS AND MATERIALS

A. LIGHT GAUGE METAL FRAMING
   A. DEMISING WALLS - 6MB ONE SIDE. (IF APPLICABLE).
   B. INTERIOR PARTITIONS AND STOREFRONT FRAMING - 1-1/2", 3-5/8", AND 6" STUDS AT 16" O.C. AND 6A 20 MINIMUM OR AS DETAILED ON THE PARTITION SCHEDULE
   C. INTERIOR PARTITIONS TO BE BRACED TO EXISTING STEEL BEAM
   D. PROVIDE WITH MATCHING TRACKS IN WIDTHS AS SHOWN ON THESE DRAWINGS.
B. HEAVY GAUGE METAL FRAMING
   STOREFRONT AND SOFFIT FRAMING 3-5/8", 6" STUDS @ 16" O.C. AND 18 GA. MINIMUM OR AS DETAILED ON SECTIONS. PROVIDE WITH MATCHING TRACKS INWIDTHS AS SHOWN ON THESE DRAWINGS.
C. METAL FURRING CHANNELS SHALL BE GALVANIZED
D. METAL 'C' JOISTS
   SHALL BE 14 GAUGE WITH APPROPRIATE CONNECTIONS WELD CONNECTIONS AS INDICATED OR REQUIRED

## 15 WOOD AND PLASTICS
### ROUGH CARPENTRY

1- GENERAL

A. THE WORK INCLUDED IN THIS SUBCONTRACT SHALL BE PERFORMED ACCORDING TO THE GENERAL CONDITIONS AND REQUIREMENTS WHICH ARE STATED ON THIS SET OF DRAWINGS.

B. COORDINATE THIS WORK WITH THE RELATED WORK OF OTHERS WHICH INCLUDES BUT IS NOT NECESSARILY LIMITED TO THE FOLLOWING:
   A. 14 - ELECTRICAL
C. FURNISH AND INSTALL ALL ROUGH CARPENTRY WHICH INCLUDES BUT IS NOT NECESSARILY LIMITED TO ROUGH BLOCKING, PANELS AND BACKBOARDS.
D. ALL WOOD USED FOR FRAMING AND BLOCKING SHALL BE FIRE-RETARDENT TREATED, TESTED PER ASTM E84 AND SHALL HAVE A FLAME SPREAD RATING NOT GREATER THAN 25. THE MATERIAL SH

MIAMI BEACH
REVIEWED FOR
CODE COMPLIANCE

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## 15 WOOD AND PLASTICS
### ROUGH CARPENTRY - CONTINUED

2 - PRODUCTS AND MATERIALS

A. BLOCKING - NOMINAL 2X, FIRE RETARDANT TREATED.
B. PLYWOOD
   1. BACKBOARDS - 3/4" FIRE RETARDANT TREATED.
   2. SUBSTRATE - 3/4" FIRE RETARDANT TREATED.

## 16 WOOD AND PLASTICS
### FINISHED CARPENTRY

1 - GENERAL

A. THE WORK INCLUDED IN THIS SUBCONTRACT SHALL BE PERFORMED ACCORDING TO THE GENERAL CONDITIONS AND REQUIREMENTS WHICH ARE STATED ON THIS SET OF DRAWINGS.
B. COORDINATE THIS WORK WITH THE RELATED WORK OF OTHERS.
C. FURNISH AND INSTALL ALL FINISHED CARPENTRY WHICH INCLUDES BUT IS NOT NECESSARILY LIMITED TO THE ITEMS LISTED IN PART "B" BELOW.
D. ALL SALES AREA FIXTURES, GONDOLAS, END PANELS, CUBE UNITS, WALL HARDWARE, ETC. TO BE PROVIDED BY TENANT, INSTALLED BY G.C.
E. FINISHED CARPENTRY WORK SHALL BE ERECTED PLUMB AND SQUARE COPED AT INSIDE CORNERS, MITERED AT OUTSIDE CORNERS IN ACCORDANCE WITH THE DRAWINGS. ALL SURFACES TO BE SANDED SMOOTH AND EVEN. DRILL ALL HARDWOOD NAIL HOLES TO PREVENT SPLITTING, BLIND NAILS WHERE POSSIBLE AND ALL SURFACE NAILS TO SET. FLAT TRIM TO BE BACKED OUT TO PREVENT WARPING. NAIL HOLES, CRACKS AND OTHER DEFECTS TO BE TREATED TO RENDER THEM UNNOTICEABLE.
F. ALL WOOD USED FOR FRAMING AND BLOCKING SHALL BE FIRE-RETARDANT TREATED, TESTED PER ASTM E84 AND SHALL HAVE A FLAME SPREAD RATING NOT GREATER THAN 25. THE MATERIAL SHALL BEAR THE IDENTIFICATION OF AN AUTHORITATIVE TESTING OR INSPECTION AGENCY.
G. OBSERVE ELEVATIONS AND FLOOR PLANS FOR APPLICABLE FINISH CODES.
H. MATERIAL SUBSTITUTIONS MUST BE APPROVED IN ADVANCE.

2 - PRODUCTS AND MATERIALS

A. PLASTIC LAMINATE (IF APPLICABLE).
B. CONTACT ADHESIVE (IF APPLICABLE).

## 17 THERMAL AND MOISTURE PROTECTION
### MOISTURE PROTECTION

1 - GENERAL

A. THE WORK INCLUDED IN THIS SUBCONTRACT SHALL BE PERFORMED ACCORDING TO THE GENERAL CONDITIONS AND REQUIREMENTS WHICH ARE STATED ON THIS SET OF DRAWINGS.
B. COORDINATE THIS WORK WITH THE RELATED WORK OF OTHERS WHICH INCLUDES BUT IS NOT NECESSARILY LIMITED TO THE FOLLOWING:
   A. CONCRETE
   B. FINISHES
   C. MECHANICAL
C. VERIFY ALL NEW GRADES AND MATCH FLOOR ELEVATIONS WITH EXISTING ADJACENT SLABS PRIOR TO EXECUTION.
D. ASSURE PROPER FLOOR DRAINAGE. MINIMUM 1/8" PER FOOT SLOPE TO FLOOR DRAIN. (IF APPLICABLE).

2 - PRODUCTS AND MATERIALS

A. WATERPROOF FLOORS WHEN REQUIRED.
   ALTERNATE A - 3 1/2" OF SMOOTH FINISHED CONCRETE.
   ALTERNATE B - 1" OF MAGNETITE OR OTHER ACCEPTABLE SUBSTITUTE LAID OVER HEAVY WIRE SCREENING, SCREEN AND FLOOR COVERING TO BE CARRIED UP WALL 6".
   ALTERNATE C - A LIQUID VINYL-ACRYLIC COPOLYMER WATERPROOFING AGENT.
B. FIRESAFING
   GE PENCIL 100 SEALANT (OR APPROVED EQUAL).

3 - INSTALLATION

A. INSTALLATION FOR ALL ITEMS ARE TO BE IN ACCORDANCE WITH EACH MANUFACTURER'S STANDARDS SPECIFICATIONS AND INSTRUCTIONS.
B. WATERPROOFING SHALL BE APPLIED A MINIMUM OF 4" VERTICALLY AT ALL TOILET ROOM WALLS.

## 18 DOORS AND WINDOWS

1 - DOORS

A. THE WORK INCLUDED IN THIS SUBCONTRACT SHALL BE PERFORMED ACCORDING TO THE GENERAL CONDITIONS AND REQUIREMENTS WHICH ARE STATED ON THIS SET OF DRAWINGS.
B. ALL DOORS AND DOOR HARDWARE PROVIDED AND INSTALLED BY THE CARPENTRY CONTRACTOR. SEE DOOR SCHEDULE FOR EXCEPTIONS. COMMERCIAL GRADE FINISH HARDWARE, LABELED WHERE REQUIRED, SHALL BE USED THROUGHOUT. ALL EXISTING DOORS TO BE IN PROPER WORKING ORDER.
C. SOLID CORE WOOD DOORS SHALL BE MANUFACTURED IN ACCORDANCE WITH THE LATEST NATIONAL WOODWORK MANUFACTURER ASSOCIATION INDUSTRY STANDARD. DOOR HARDWARE SHALL BE RUSSWIN, SCHLAGE, YALE OR CORBIN. FINISH TO BE US26D OR US32D. VERIFY INFORMATION WITH DOOR SCHEDULE.
D. ROLL-UP GRILLE (IF APPLICABLE) SHALL BE PROVIDED AND INSTALLED BY THE GRILLE MANUFACTURER. ROLL UP GRILLE SHALL BE MANUALLY OPERATED WITH A MANUAL RELEASE EXIT SYSTEM. IF GRILLE IS OVER 10'-0", GENERAL CONTRACTOR TO PROVIDE POWER FOR MOTOR.
   A SIGN TO READ "THIS DOOR TO REMAIN OPEN DURING BUSINESS HOURS." TO BE PLACED ON GRILLE BY G.C.
   BOTTOM BAR AND GUIDES TO BE WITH A MATTE FINISH. GRILLE INSTALLER TO INSTALL GRILLE COMPLETE IN OPERATING ORDER PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. VERIFY INFORMATION WITH DOOR SCHEDULE.
E. GLASS SLIDING DOORS (IF APPLICABLE): SLIDING MULTIPLE TRACK DOORS SHALL BE "INKAN" GROUP, RDM GLASS SYSTEMS 510 SERIES, OR EQUAL FINISH TO BE POWDER WHITE. DOORS TO HAVE SILL LOCKS AND ARE TO BE LOCKED IN THE OPEN POSITION DURING BUSINESS HOURS. DOORS SHALL BE A MINIMUM 1/2" LAMINATED GLASS. VERIFY WITH DOOR SCHEDULE.

2 - WINDOWS

A. THE WORK INCLUDED IN THIS SUBCONTRACT SHALL BE PERFORMED ACCORDING TO THE GENERAL CONDITIONS AND REQUIREMENTS WHICH ARE STATED ON THIS SET OF DRAWINGS.
B. GLAZING CONTRACTOR TO INSTALL ALL GLASS AND GLAZING IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATION. GLAZING CONTRACT TO FIELD VERIFY ALL MEASUREMENTS FOR GLASS AND FITTINGS PRIOR TO ORDERING. ALL GLAZING WORK SHALL BE PERFORMED IN ACCORDANCE WITH "CODE OF FEDERAL REGULATIONS COMMERCIAL PRACTICES - 16; SUBCHAPTER "B" OF CONSUMER PRODUCT SAFETY ACT REGULATIONS PART 1201 "SAFETY STANDARDS FOR ARCHITECTURAL GLAZING MATERIALS" AND LOCAL CODES. EACH UNIT OF LAMINATED GLASS SHALL BE PERMANENTLY IDENTIFIED BY THE MANUFACTURER.
C. ALL MIRRORS AND GLASS IN SALES AREAS TO HAVE POLISHED EDGES AS REQUIRED. SECURE MIRRORS WITH MASTIC OR AS REQUIRED. GLAZING CONTRACTOR TO ALSO PROVIDE AND INSTALL "J" CHANNEL TRIM, BREAK METAL, CLIPS, ETC. AS REQUIRED AND AS DETAILED FOR SAME MIRROR. SEAL EDGE OF SPACE BETWEEN BACKS AND MIRROR AND WALLS WITH SILICONE.

## 19 FINISHES
### GYPSUM DRYWALL SYSTEM

1 - GENERAL

A. THE WORK INCLUDED IN THIS SUBCONTRACT SHALL BE PERFORMED ACCORDING TO THE GENERAL CONDITIONS AND REQUIREMENTS WHICH ARE STATED ON THIS SET OF DRAWINGS AND LANDLORD AND TENANT'S CONSTRUCTION CRITERIA MANUALS AND SPECIFICATIONS.
B. COORDINATE THIS WORK WITH THE RELATED WORK OF OTHERS WHICH INCLUDES BUT IS NOT NECESSARILY LIMITED TO THE FOLLOWING:
   A. 05 - METALS
   B. 06 - WOOD
C. FURNISH AND INSTALL ALL DRYWALL MATERIALS, ACCESSORIES AND PRODUCTS REQUIRED TO PROVIDE A COMPLETE INSTALLATION, INCLUDING, BUT NOT LIMITED TO GYPSUM DRYWALL ON EXISTING DEMISING WALLS, INTERIOR PARTITIONS, SOFFITS, FASCIAS AND GYPSUM WALLBOARD USED AS SUBSTRATES FOR OTHER MATERIALS.
D. APPLICATION PROCEDURES AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH GA-216 AND ASTM C840.

2 - PRODUCTS AND MATERIALS

A. GYPSUM DRYWALL PANELS
   1. FIRE RESISTANT - 5/8" THICK WITH A TYPE "X" CORE, EQUAL TO GOLD BOND FIRE-SHIELD WITH STA-SMOOTH EDGES.
   2. MOISTURE RESISTANT - FOR APPLICATION IN WET AREAS AND FOR USE AS A SUBSTRATE FOR AREAS DESIGNATED TO RECEIVE TILE, NON-ABSORBENT FINISH MATERIALS AND SIMILAR PRODUCTS, USE 5/8" THICK GYPSUM WALLBOARD EQUAL TO GOLD BOND MR FIRE-SHIELD G WITH GREEN PAPER FACES AND TAPERED EDGES.
B. JOINT TREATMENT
   1. JOINT TAPE - PAPER
   2. JOINT COMPOUND - FAST HARDENING TYPE EQUAL TO GOLD BOND STA-SMOOTH.
C. ACCESSORIES
   1. CORNER BEADS - 1-1/8" x 1-1/8" GALVANIZED METAL, CRIMPED TO ALL WALLBOARD CORNERS.
   2. CORNER BEADS - 1-1/4" x 1-1/4" GALVANIZED METAL FOR DOUBLE LAYERED WALLS.
   3. CASING BEADS - GALVANIZED METAL
D. INTERIOR PAINTS
   MANUFACTURED BY SHERWIN WILLIAMS OR APPROVED ALTERNATE, BY DESIGN ARCHITECT.
E. PAINT CONTRACTOR TO APPLY ONE (1) COAT LATEX PRIMER AND A MINIMUM OF TWO (2) COATS OF SPECIFIED PAINT TO PROVIDE AN EVEN FINISH COAT FREE OF RUNS OR SAGS.
   1. WALL/DRYWALL
      PRIME: ONE (1) COAT QUICK DRY PRIME SEAL
      FINISH: TWO (2) COATS ALKYD PAINT
   2. WOOD TRIM
      PRIME: ONE (1) COAT ALKYD ENAMEL UNDER BODY
      FINISH: TWO (2) COATS SEMI-GLOSS
F. PAINT CONTRACTOR SHALL STENCIL PAINT ALL ROOF UNITS, FANS, SWITCHES, ETC. WITH NAME AND NUMBER OF TENANT STORE AS SOON AS IT IS INSTALLED IN A MANNER AND COLOR APPROVED BY LANDLORD AND/OR OWNER. AS REQUIRED.

3 - FABRICATION AND INSTALLATION

A. INSTALL SYSTEM FREE OF WAVES, BUCKLES AND UNEVENNESS.
B. EXPOSED TO VIEW - ALL JOINTS, HOLES AND DEPRESSIONS VISIBLE BELOW THE CEILING LINE SHALL BE FILLED, FLOATED, SANDED SMOOTH AND MADE READY TO RECEIVE PAINT PRIMER.
C. CONCEALED LOCATIONS - ALL JOINTS, HOLES AND DEPRESSIONS CONCEALED ABOVE CEILING LINES AND BEHIND PERMANENT FIXTURES SHALL BE FILLED AND TAPED.
D. EXTENT ABOVE CEILINGS - GYPSUM WALLBOARD SHALL EXTEND A MINIMUM OF 6" ABOVE THE ADJACENT CEILING LINE.
   AT DEMISING WALLS, DRAFT STOP PARTITIONS AND FIRE-SEPARATION WALLS, THE GYPSUM WALLBOARD SHALL EXTEND FULLY TO THE UNDERSIDE OF THE STRUCTURAL DECK ABOVE, UL DESIGN #U456.
E. GYPSUM WALLBOARD SHALL BE INSTALLED WITH ALL CORNER BEADS, TRIM, ACCESSORIES AND MOLDINGS, ETC. AS REQUIRED FOR COMPLETION, TAPED AND SANDED READY FOR PAINT BY DRYWALL CONTRACTOR. REPAIR AND PATCH EXISTING WALLS AS REQUIRED TO ACCEPT NEW FINISHES.

### FLOOR FINISHES

1 - GENERAL

A. THE WORK INCLUDED IN THIS SUBCONTRACT SHALL BE PERFORMED ACCORDING TO THE GENERAL CONDITIONS AND REQUIREMENTS WHICH ARE STATED ON THIS SET OF DRAWINGS AND LANDLORD AND TENANT'S CONSTRUCTION CRITERIA MANUALS AND SPECIFICATIONS.
B. COORDINATE THIS WORK WITH THE RELATED WORK OF OTHERS WHICH INCLUDES BUT IS NOT NECESSARILY LIMITED TO THE FOLLOWING:
   A. CONCRETE
C. EXTENT OF FLOORING WORK IS INDICATED ON DRAWINGS AND SCHEDULES.
D. FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND SERVICES NECESSARY TO THE EXECUTION AND COMPLETION OF FLOOR FINISH APPLICATIONS AND INSTALLATIONS IN ACCORDANCE WITH THE DRAWINGS AS HEREIN SPECIFIED.
E. G.C. TO INSTALL ALL FLOORING IN ACCORDANCE WITH MANUFACTURES SPECIFICATIONS. G.C. TO COVER FINISH FLOOR WITH MASONITE UNTIL ALL CONSTRUCTION IS COMPLETE. COORDINATE WITH TENANT REPRESENTATIVE.
F. VINYL TILE: DURING DRYING TIME OF ADHESIVE THERE SHOULD BE NO FURNITURE OR HEAVY TRAFFIC ON THE FLOOR. ALSO DO NOT WASH TILE DURING THIS PERIOD. AFTER 48 HOURS FLOOR TO BE WASHED WITH A NEUTRAL FLOOR CLEANER, PROPERLY DILUTED. RINSE FLOOR WITH CLEAN WATER AND ALLOW TO DRY. THEN APPLY AT LEAST THREE (3) COATS OF APPROVED FLOOR FINISH. CLEAN SURFACE WITH A NEW MOP FOLLOWING APPLICATION INSTRUCTIONS.
G. THIS CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION FOR ALL FINISHED FLOORS DURING CONSTRUCTION. IN PARTICULAR ALL FLOORS SHALL BE PROTECTED AS FOLLOWS PRIOR TO THE ARRIVAL OF STORE FIXTURES. WOOD FLOORS SHALL BE COVERED COMPLETELY WITH 10 LB. KRAFT PAPER. CARPET SHALL BE COVERED WITH 4 MIL VISQUEEN. CERAMIC TILE SHALL BE COVERED WITH 1/4" PLYWOOD.

2 - INSTALLATION

A. SURFACE PREPARATION:
   1. INSTALLATION FOR ALL ITEMS ARE TO BE IN ACCORDANCE WITH EACH MANUFACTURER'S STANDARDS, SPECIFICATIONS AND INSTRUCTIONS.
   2. GENERAL CONTRACTOR REQUIRED TO PERFORM A MOISTURE TEST ON SUBFLOOR PRIOR TO INSTALLATION OF FINISHED FLOOR MATERIAL. IF MOISTURE CONTENT MEASURES 5% OR GREATER ON THE MOISTURE TEST, FLOOR MUST HAVE VAPOR BARRIER.
   3. IMMEDIATELY PRIOR TO INSTALLATION OF THE WORK, CLEAN SUBSTRATE AND REMOVE OIL, GREASE, PAINT, VARNISH, HARDENERS, AND OTHER ITEMS WHICH COULD ADVERSELY AFFECT THE BOND OF ADHESIVE.
   4. MAKE SUBSTRATE LEVEL AND FREE FROM IRREGULARITIES.

### ACOUSTICAL PANEL CEILING

A. SUSPENSION SYSTEM SHALL BE ADEQUATE TO RECEIVE, BUT NOT SUPPORT, LIGHT FIXTURES, CEILING, GRILLES, DIFFUSERS, AND OTHER NORMAL ACCESSORIES, COMPLY WITH ASTM C635.
B. MINERAL COMPOSITE PANEL - WET FORMED MINERAL FIBER WITH STANDARD WASHABLE PAINTED FINISH; PROVIDE TYPE III, FORM 2 UNITS, PER ASTM E1264.
C. FURNISH AND INSTALL CEILING SYSTEM COMPLETE WITH SUSPENSION SYSTEM AND RELATED ACCESSORIES, AS SHOWN ON DRAWINGS. INSTALL CEILING AND SUSPENSION SYSTEMS IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. FINISH CEILING SHALL BE LEVEL WIT ALL JOINTS SNUG AND SQUARE.

## 20 SPECIALTIES
### ACCESSORIES

1 - GENERAL

A. THE WORK INCLUDED IN THIS SUBCONTRACT SHALL BE PERFORMED ACCORDING TO THE GENERAL CONDITIONS AND REQUIREMENTS WHICH ARE STATED ON THIS SET OF DRAWINGS.
B. COORDINATE THIS WORK WITH THE RELATED WORK OF OTHERS WHICH INCLUDES BUT IS NOT NECESSARILY LIMITED TO THE FOLLOWING:
   A. 06 - ROUGH CARPENTRY
C. FURNISH AND INSTALL SPECIALTIES WHICH INCLUDE BUT ARE NOT NECESSARILY LIMITED TO TOILET ROOM ACCESSORIES AND MISCELLANEOUS ITEMS.
D. SUBMITTALS - PRODUCT DATA SHEETS FOR PROPOSED SUBSTITUTION SHALL BE SUBMITTED FOR APPROVAL.

2 - PRODUCTS AND MATERIALS

A. TOILET ROOM ACCESSORIES
   1. MIRROR: GENERIC ADJUSTABLE ANGLE 36"L x 18"W. TEMPERED WITH STEEL FRAME.
   2. TOILET PAPER DISPENSER: RESIDENTIAL GRADE, CHROME WITH PLASTIC INSERT.
   3. PAPER TOWEL DISPENSER: RESIDENTIAL GRADE, CHROME WITH PLASTIC INSERT.
B. FIRE EXTINGUISHER
   BY J.L. INDUSTRIES, TWO (2) - ONE AT CASH WRAP AND ONE IN STOCKROOM. COSMIC 10E, TYPE - 4A-60BC, OR APPROVED EQUAL. ROOM MODEL
C. TENANT TO FURNISH AND G.C. INSTALL PORTABLE FIRE EXTINGUISHER IN ACCORDANCE WITH 1994 NFPA 10-STANDARD FOR PORTABLE FIRE EXTINGUISHERS.
D. STOREFRONT SIGNAGE
   1. STOREFRONT SIGNS TO BE PROVIDED AND INSTALLED BY TENANT'S SIGN CORPORATION. SIGN SHALL MEET MUNICIPAL ORDINANCE AND PROJECT LANDLORD'S CRITERIA. THE SIGN CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL TO GNC, THE PROJECT LANDLORD AND THE LOCAL AUTHORITY AS REQUIRED PRIOR TO FABRICATION AND INSTALLATION OF SAID SIGNS.
E. MISCELLANEOUS HARDWARE
   1. TOGGLE BOLTS FOR WALL MOUNTED ITEMS TO BE HILTI TOGGLER WITH BOLT #5520520" (OR APPROVED EQUAL). PROVIDED AND INSTALLED BY G.C.
   2. STOCK ROOM SHELVING AND STANDARDS TO BE SUPPLIED BY TENANT, INSTALLED BY G.C. VERIFY SPECIFICATION ON PRODUCT WITH DESIGN ARCHITECT BEFORE INSTALLATION.

3 - INSTALLATION

A. INSTALLATION FOR ALL ITEMS ARE TO BE IN ACCORDANCE WITH EACH MANUFACTURERS STANDARDS, SPECIFICATIONS AND INSTRUCTIONS.
B. ALL ACCESSORIES TO BE MOUNTED AS PER LOCAL AND STATE HANDICAPPED CODES. (SEE ADA NOTES).
C. NOTICE THAT PAINT ON THE WALLS MUST BE COMPLETED FOUR DAYS PRIOR TO INSTALLATION OF SUCH GRAPHICS.

## 21 ACCESS PANELS

1.

ACCESS PANELS

A. FURNISH AND INSTALL ACCESS PANELS WHERE INDICATED ON THE DRAWINGS, REQUIRED BY THE NATURE OF THE PROJECT OR REQUIRED TO SERVICE EXISTING DEVICES IN THE SPACE. INSTALL ACCESS PANELS IN DRYWALL WALLS AND CEILINGS. THE ACCESS PANELS SHALL BE OF SUFFICIENT SIZE SO THAT ALL EQUIPMENT WILL BE COMPLETELY SERVICEABLE. PANELS SHALL BE PAINTED TO MATCH THE WALL OR CEILING IN WHICH THEY ARE LOCATED.
B.
   INSTALL METAL ACCESS PANELS FURNISHED BY OTHER CONTRACTORS FOR ACCESS TO MECHANICAL OR ELECTRICAL EQUIPMENT. PAINT TO MATCH ADJACENT FINISHES.

## 22 MECHANICAL

1 - GENERAL

A. CONCEALED SPRINKLER HEAD TO BE USED IN ALL HARD CEILINGS.
B. SEMI-RECESSED SPRINKLER HEADS TO BE USED IN ALL DROP CEILINGS.
C. ALL SPRINKLER HEADS TO BE WHITE.

GNC LIVE WELL
GENERAL NUTRITION CENTER, INC.
300 SIXTH AVENUE, PITTSBURGH, PA 15222
PHONE: 412-338-8967 FAX: 412-338-8878

RSW CONSULTANTS
2203 SUNSET BLVD
SAN ANTONIO, TX 78216
PHONE: 210-408-1860

STATE OF FLORIDA
JIMMY LEE POWERS
AR0017748
REGISTERED ARCHITECT

JIMMY LEE POWERS
AR 0017748

| NO. | DATE | DESCRIPTION REVISIONS | BY | APPR. |
|---|---|---|---|---|

GNC
17TH & ALTON ROAD RETAIL
1698 ALTON ROAD
MIAMI BEACH, FL 33139
SPACE # 200

| | |
|---|---|
| Store No. 2841 | |
| Drawn by: JRT | Date: 1/3/18 |
| Checked By: AMP | Date: DATE CHECKED |
| Drawing Name: 02841.DWG | |
| Drawing No. AS-2 | |

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE

INTERI

BC1808816

3rd.

# GNC LIVE WELL

## PROJECT DATA

17TH & ALTON ROAD RETAIL
1698 ALTON ROAD
MIAMI BEACH, FL 33139

STORE NUMBER: 2841
SPACE NUMBER: 200

### OWNER

GNC
300 SIXTH AVENUE
PITTSBURGH, PA 15222
PHONE: (412) 288-4600
FAX: (412) 338-8878

PROJECT MANAGER:
JOSEPH KARAFA
PHONE: (412) 288-4769

PROJECT COORDINATOR:
KELLY LAUGLIN
PHONE: (412) 402-7316

### LANDLORD

1681 WEST VENTURES LLC
19501 BISCAYNE BLVD.
AVENTURA, FL 33180

TENANT COORDINATOR:
Boyd Hall
PHONE: (305) 607-2799 2

### DATA COMMUNICATION

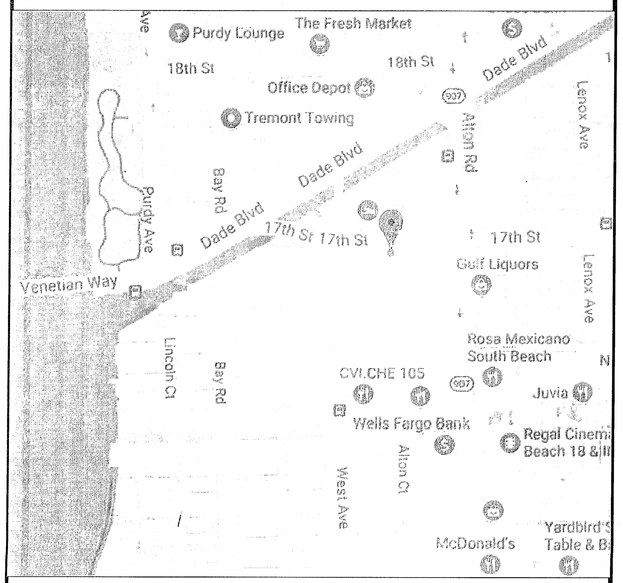
TELAID

BUSINESS TELEPHONE AND DATA SYSTEM
JEANNIE DAVIDSON
13 WEST MAIN STREET
P.O. BOX 711
NIANTIC, CT 06357
PHONE: (860) 439-7325
FAX: (860) 739-9913

### ARCHITECT/ENGINEER/CONSULTANT

RSW CONSULTANTS
PROJECT MANAGEMENT & DESIGN
12035 COLWICK
SAN ANTONIO, TX 78216
PHONE: (210) 408-1860
FAX: (210) 408-0273

## LOCATION MAP




## CODE INFORMATION

PROJECT DESCRIPTION : TENANT IMPROVEMENT - MERCANTILE STORE

USE GROUP CLASSIFICATION : 'M' - MERCANTILE

OCCUPANCY LOAD CAPACITY : SALES AREA (976) S.F. x 1 PERSON/30 S.F. = 33 PERSONS
STOCKROOM (105) S.F. x 1 PERSON/300 S.F. = 1 PERSONS
TOTAL OCCUPANCY LOAD = 34 PERSONS

FIRE SUPPRESSION SYSTEM : FULLY SPRINKLERED - CONNECTED TO MALL'S MAIN. (SPRINKLER DWGS. TO BE SUBMITTED FOR PERMIT BY SPRINKLER CONTRACTOR)

CONSTRUCTION TYPE : EXISTING DOWNTOWN LOCATION - TYPE II-B FULLY SPRINKLERED

APPLICABLE CODES G.C. WILL BE TOTALLY RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE CODES, ORDINANCES AND BUILDING CLASSIFICATIONS FOR HIS SPECIFIED TYPE. CONSTRUCTION MEANS, METHODS, TECHNIQUES AND PROCEDURES WILL COMPLY WITH REGULATORY AGENCIES AND UTILITY AGENCIES HAVING JURISDICTION FOR THE CITY OF MIAMI BEACH. ALL PLANS AND SPECIFICATIONS FOR CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE CODES AND BE CERTIFIED IN ACCORDANCE WITH THE STATE OF FLORIDA LAWS GOVERNING THE PRACTICE OF ARCHITECTURE AND ENGINEERING. THE CURRENT CODES ARE LISTED BELOW
-6TH EDITION 2017 FLORIDA BUILDING CODE 1

DEFERRED SUBMITTALS: SIGNAGE
FIRE ALARM
SPRINKLER 3

TENANT SCOPE OF WORK: G.C. TO FURNISH AND INSTALL DECORATIVE LIGHTING, SUPPLY AND INSTALL FLOOR COVERINGS IN SALES AREA AND STOCKROOM AREAS ONLY, SUPPLY AND INSTALL ALL TRADE HARDWARE AND FIXTURES, AND SUPPLY AND INSTALL EXTERIOR IDENTIFICATION SIGNAGE. ALL OTHER WORK TO BE DONE BY LLD, EXCEPT AS NOTED ON THESE DRAWINGS. 2

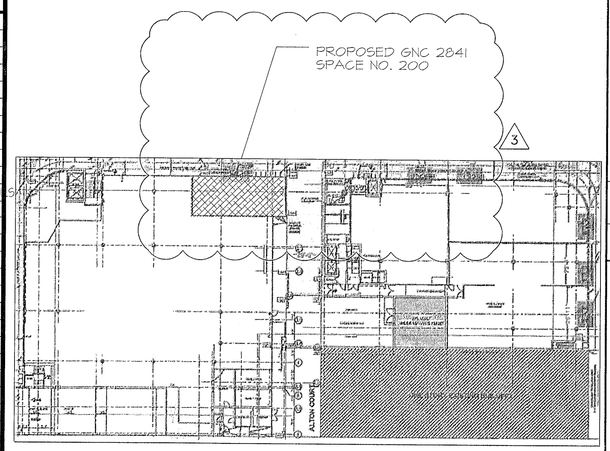
## DRAWING INDEX

| NO. | DRAWING DESCRIPTION |
|---|---|
| CS-1 | COVER SHEET |
| CS-2 | SCHEDULES |
| AS-1 | ARCHITECTURAL SPECIFICATIONS |
| AS-2 | ARCHITECTURAL SPECIFICATIONS |
| A-1 | PLANS AND SCHEDULES |
| A-2 | INTERIOR ELEVATIONS |
| A-3 | STOREFRONT & SIDE ELEVATIONS |
| A-5 | PARTITION TYPES, DOOR TYPES, & MISCELLANEOUS DETA |
| F-1 | FIXTURE DETAILS |
| F-2 | FIXTURE DETAILS |
| E-1 | POWER & LIGHTING PLANS |
| E-2 | ELECTRICAL SCHEDULES & DETAILS |
| E-3 | ELECTRICAL NOTES |

## AREA ANALYSIS

| AREA | S.F. | % |
|---|---|---|
| SALES AREA | 976 | 85% |
| SERVICE AREA | 105 | 9% |
| TOILET ROOM(S) | 66 | 6% |
| FIRE CORRIDOR | N/A | N/A |
| TOTAL GROSS AREA | 1,147 | 100% |

## KEY PLAN




SINGLE LEVEL

## DISCLAIMER

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS BEFORE DETERMINING THE BID PRICE. ANY VARIANCE SHALL BE REPORTED TO THE TENANT'S CONSTRUCTION DEPARTMENT IMMEDIATELY. NO EXTRAS WILL BE PAID FOR WORK DUE TO THE FAILURE OF CHECKING THE EXISTING CONDITIONS.

GNC LIVE WELL
GENERAL NUTRITION CENTER, INC.
300 SIXTH AVENUE, PITTSBURGH, PA 15222
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12035 COLWICK
SAN ANTONIO, TX 78216
PHONE: 210-408-1860

STATE OF FLORIDA
LEE E. WEISS
AR0017748
REGISTERED ARCHITECT

| NO. | DATE | DESCRIPTION | BY | APPR. |
|---|---|---|---|---|
| | | REVISIONS | | |
| 3 | 10/02/2018 | REVISIONS PER BLDG DEPT | GG | |
| 2 | 9/07/2018 | REVISIONS PER LANDLORD | GNC | |
| 1 | 8/14/18 | INTERNAL REVISIONS | JRT | |

GNC
17TH & ALTON ROAD RETAIL
1698 ALTON ROAD
MIAMI BEACH, FL 33139
SPACE # 200

Store No. 2841
Drawn by: JRT
Date: 1/3/18
Checked By: AMP
Date: DATE CHECKED
Drawing Name: 02841.DWG
Drawing No. CS-1

MIAMI BEACH
REVIEWED FOR
CODE COMPLIANCE

# RESPONSIBILITY SCHEDULE

| ITEMS | EXISTING | FURNISHED: TENANT | FURNISHED: LANDLORD | INSTALLED: GENERAL CONTRACTOR | INSTALLED: TENANT MFR. | INSTALLED: TENANT | INSTALLED: LANDLORD | INSTALLED: GENERAL CONTRACTOR | INSTALLED: TENANT MFR. | DOES NOT APPLY | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **01 GENERAL REQUIREMENTS** | | | | | | | | | | | |
| BARRICADE/CONSTRUCTION GRAPHICS | | | | | | | | | | ● | |
| CONSTRUCTION GRAPHICS | | ● | | | | | | ● | | | REFER TO STOREFRONT BARRICADE NOTES |
| PERMITS AND FEES | | | | ● | | | | ● | | | |
| STATE APPROVALS | | | | ● | | | | ● | | | |
| HEALTH DEPARTMENT APPROVALS | | | | ● | | | | ● | | | |
| TEMPORARY ENCLOSURE/NOISE/DUST PROTECTION | | | | ● | | | | ● | | | |
| DAILY CLEANING, DEBRIS REMOVAL | | | | ● | | | | ● | | | |
| EXECUTING PUNCH LIST | | | | ● | | | | ● | | | |
| VERIFY SITE CONDITIONS | | | | ● | | | | ● | | | PRIOR TO BIDDING |
| INSURANCE PER LANDLORD REQ'D. | | | | ● | | | | ● | | | |
| PRE-CONSTRUCTION MALL MEETING | | | | ● | | | | ● | | | |
| **02 SITEWORK** | | | | | | | | | | | |
| DEMOLITION | | | | | | | | | | ● | |
| CORE DRILL/TRENCH SLAB | | | | ● | | | | ● | | | |
| **03 CONCRETE** | | | | | | | | | | | |
| CONCRETE SLAB REPAIR | | | | ● | | | | ● | | | |
| CONCRETE REINFORCEMENT | | | | ● | | | | ● | | | |
| MISCELLANEOUS CONCRETE WORK | | | | | | | | | | ● | |
| **04 MASONRY** | | | | | | | | | | | |
| DEMISING WALL REPAIR | | | | ● | | | | ● | | | |
| MISCELLANEOUS MASONRY WORK | | | | | | | | | | ● | |
| **05 METALS** | | | | | | | | | | | |
| METAL STUDS | | | | | | | | | | | |
| DEMISING PARTITIONS | ● | | | | | | | | | | |
| INTERIOR PARTITIONS/SOFFITS/FURRING | ● | | | | | | | | | | |
| STRUCTURAL FRAMING FOR HVAC | ● | | | | | | | | | | |
| MISCELLANEOUS STRUCTURAL FRAMING/METAL | | | | | | | | | | ● | |
| **06 WOOD AND PLASTIC** | | | | | | | | | | | |
| WOOD BLOCKING (FIRE RETARDANT TREATED AS REQ'D) | ● | | | | | | | | | | |
| PLYWOOD AT ELECTRICAL/PHONE PANEL BOARDS | ● | | | | | | | | | | |
| **07 THERM./MOIST. PROTECT.** | | | | | | | | | | | |
| PARTITION INSULATION | | | | ● | | | | ● | | | |
| VAPOR BARRIER | | | | ● | | | | ● | | | |
| SEALANTS | | | | ● | | | | ● | | | |
| ROOFING | | | | | | | | | | ● | |
| **08 DOORS AND WINDOWS** - SEE DOOR SCHEDULE | | | | | | | | | | | |
| DOORS | | | | | | | | | | | |
| STOREFRONT | ● | | | | | | | | | | |
| SALES/SERVICE | ● | | | | | | | | | | |
| TOILET ROOM DOORS | ● | | | | | | | | | | |
| SERVICE/EXIT DOORS | | | | | | | | | | ● | |
| DOOR HARDWARE | ● | | | | | | | | | | |
| STOREFRONT GLAZING SYSTEM | ● | | | | | | | | | | |
| **09 FINISHES** - SEE FINISH SCHEDULE FOR LOCATIONS | | | | | | | | | | | |
| FLOORS | | | | | | | | | | | |
| HARDWOOD FLOORING | | | | | | | | | | ● | |
| TILE & GROUT | | | | | | | | | | ● | |
| RESILIENT TILE FLOORING (VINYL TILE) | | | | ● | | | | ● | | | |
| SHEET VINYL FLOORING | | | | | | | | | | ● | |
| CARPET | | | | | | | | | | ● | |
| MALL FLOORING | | | | | | | | | | ● | |
| DIVIDER STRIP/TRANSITION STRIP | | | | ● | | | | ● | | | |
| BASE | | | | | | | | | | | |
| WOOD BASE | | ● | | | | | | ● | | | |
| TILE BASE & GROUT | | | | | | | | | | ● | |
| VINYL | | | | ● | | | | ● | | | |
| LAMINATE BASE | | | | | | | | | | ● | |
| FLASH COVE BASE | | | | | | | | | | ● | |
| WALLS | | | | | | | | | | | |
| GYPSUM WALL BOARD | ● | | | | | | | | | | |
| PAINT (INCLUDING PRIMER) | | | | ● | | | | ● | | | |
| TILE & GROUT | | | | | | | | | | ● | |
| VINYL WALLCOVERING | | | | | | | | | | ● | |
| CEILING | | | | | | | | | | | |
| GYPSUM BOARD | ● | | | | | | | | | | |
| LAY-IN TILES AND GRID (SALES) | ● | | | | | | | | | | |
| LAY-IN TILES AND GRID (NON-SALES) | ● | | | | | | | | | | |
| PAINT (INCLUDING PRIMER) | | | | ● | | | | ● | | | DRYWALL CEILINGS AND BULKHEADS |

# RESPONSIBILITY SCH

| ITEMS | EXISTING | FURNISHED: TENANT | FURNISHED: LANDLORD | INSTALLED: GENERAL CONTRACTOR | INSTALLED: TENANT MFR. | INSTALLED: TENANT | INSTALLED: LANDLORD | INSTALLED: GENERAL CONTRACTOR | INSTALLED: TENANT MFR. | DOES NOT APPLY | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **10 SPECIALTIES** (EQUIPMENT & FIXTURES) | | | | | | | | | | | |
| TOILET FIXTURES & CABINETS | ● | | | | | | | | | | |
| STOREFRONT SIGN | | | | | ● | | | | ● | | |
| GRAPHICS | | | ● | | | | | ● | | | |
| 2A10BC FIRE EXTINGUISHERS | | | ● | | | | | ● | | | COORDINATE LOCATIONS WITH FIRE MARSHALL |
| TOILET ACCESSORIES | ● | | | | | | | | | | |
| **12 FURNISHINGS** | | | | | | | | | | | |
| NON-SALES SHELVING | | | ● | | | | | ● | | | |
| SALES FLOOR FIXTURES | | | ● | | | | | ● | | | |
| **15 MECHANICAL** - SEE MECHANICAL DRAWINGS | | | | | | | | | | | |
| HVAC | | | | | | | | | | | |
| UNIT | ● | | | | | | | | | | |
| DUCTWORK AND DIFFUSERS | ● | | | | | | | | | | |
| THERMOSTAT AND CONTROL WIRING | | | ● | | | | | ● | | | |
| ROOF CURB | ● | | | | | | | | | | |
| ROOF PENETRATIONS & DECK PATCHING | ● | | | | | | | | | | |
| SPRINKLER | | | | | | | | | | | |
| PIPING MODIFICATIONS | ● | | | | | | | | | | |
| HEADS AND ESCUTCHEONS | ● | | | | | | | | | | |
| PLUMBING | | | | | | | | | | | |
| PLUMBING FIXTURES | ● | | | | | | | | | | |
| ROUGH-IN AND FINAL CONNECTIONS | ● | | | | | | | | | | |
| WATER HEATER | ● | | | | | | | | | | |
| UTILITY SINK | ● | | | | | | | | | | |
| DRINKING FOUNTAIN | ● | | | | | | | | | | |
| **16 ELECTRICAL** - SEE ELECTRICAL DRAWINGS | | | | | | | | | | | |
| SERVICE | ● | | | | | | | | | | |
| METER | ● | | | | | | | | | | FIELD VERIFY LOCATION AS REQUIRED |
| TRANFORMER | ● | | | | | | | | | | |
| PANELS | ● | | | | | | | | | | |
| LIGHT FIXTURES AND LAMPS | ● | | | | | | | | | | |
| DECORATIVE LIGHTING | | | ● | | | | | ● | | | |
| EMERGENCY LIGHTS AND EXIT SIGNS | | | ● | | | | | ● | | | |
| DATA/COMMUN. POWER AND LOW VOLTAGE CONDUIT | | | | ● | | | | ● | | | |
| DATA COMMUNICATIONS CABLING AND CONNECTIONS | | | | | ● | | | | ● | | |
| DELIVERY BUZZER SYSTEM @ REAR SERVICE DR. | | | | | | ● | | | | ● | |
| WIRING DEVICES | | | | ● | | | | ● | | | |
| BRANCH CIRCUITING | | | | ● | | | | ● | | | |
| SERVICE DOOR ALARM LOCK (DETEX) | | | | | | ● | | | | ● | |
| PHONE CONDUIT (POINT OF ENTRY TO CASHARAP) | | | | ● | | | | ● | | | |
| FIRE ALARM SYSTEM | ● | | | | | | | ● | | | G.C. TO VERIFY SCOPE OF WORK WITH LL. |

INTERIOR FINISHES: INTERIOR WALL, CEILING, FLOORS, DECORATIONS AND TRIM FINISH, SHALL COMPLY WITH FBCB CHAPTER 8. SHOW FINISH CLASS BASED ON TABLE 803.11. COMBUSTIBLE MATERIALS SHALL COMPLY WITH FBCB 805. 3

## STOREFRONT BARRICADE NOTES (IF APPLICABLE)

1. G.C. IS TO CONSTRUCT A STOREFRONT BARRICADE PER LANDLORD/MALL SPECIFICATIONS.
2. IF LANDLORD/MALL HAVE NO SPECIFICATIONS, THEN: G.C. IS TO CONSTRUCT TEMPORARY BARRICADE(S) OF 3 5/8" 25 GA. METAL STUDS AT 24" O.C. WITH ONE LAYER 5/8" GYP. BD. (MALL SIDE) TAPED AND SPACKLED SMOOTH. INSTALL A 4 MIL. PLASTIC OR GYP. BD. BACK TO MALL BULKHEAD TO CREATE DUST-PROOF CONDITION AND INSTALL 1/2" C-D PLYWOOD ON FLOOR TO PROTECT EXISTING MALL FLOORING. SUBSTITUTE GYP. BD. AND PLASTIC WITH 5/8" EXTERIOR GRADE PLYWOOD, FULL HEIGHT, AT EXTERIOR STOREFRONTS. BARRICADES ARE TO BE ADEQUATELY SECURED AND BRACED TO MALL BULKHEAD FRAMING FOR LATERAL STABILITY AND MUST BE STRUCTURALLY SOUND. CARE MUST BE TAKEN TO PROTECT MALL FLOORING.
3. IF REQUIRED BY LANDLORD:
   PRIME AND PAINT STOREFRONT BARRICADE P-2 OR AS DIRECTED BY LANDLORD. G.C. IS TO INSTALL OWNER-SUPPLIED GRAPHIC WALLCOVERING ON BARRICADE (AFTER HAVING RECEIVED LANDLORD APPROVAL) CONTACT TENANT'S CONSTRUCTION REPRESENTATIVE TO OBTAIN MATERIALS AND INSTALLATION INSTRUCTIONS.
4. CARE IS TO BE TAKEN WHEN DISASSEMBLING AND REMOVING BARRICADE. G.C. IS TO RESTORE MALL SOFFIT, FASCIA, NEUTRAL PIERS AND FLOOR TO A 'LIKE-NEW' CONDITION AND FINISH.
5. G.C. IS TO CONSULT WITH MALL REPRESENTATIVE FOR HOURS IN WHICH WORK ON BARRICADE CAN OCCUR.

## TURN OVER REQUIREMENTS

1. THE CONTRACTOR IS TO ARRANGE FOR ALL INSPECTIONS AND FURNISH THE STORE MANAGER WITH THE CERTIFICATE OF OCCUPANCY. ALSO, PROVIDE A LIST OF NAMES, ADDRESSES, AND TELEPHONE NUMBERS FOR ALL SUBCONTRACTORS, INCLUDING ALL OWNER PROVIDED SUBCONTRACTORS. BOTH ITEMS TO BE MOUNTED IN SEPARATE PICTURE FRAMES (8 1/2" X 11") ON EXTERIOR SIDE OF LAVATORY DOOR AT 5'-0" A.F.F. TO BOTTOM OF FRAME AND ONE COPY TO TENANT'S DIRECTOR OF CONSTRUCTION.
2. PRIOR TO STORE OPENING, THE CONTRACTOR IS TO ARRANGE FOR A CERTIFIED INDEPENDENT BALANCING CONTRACTOR TO BALANCE H.V.A.C. SYSTEM. CONTRACTOR IS TO PROVIDE THE LANDLORD AND TENANT WITH A COPY OF THE BALANCE REPORT. IF REQUIRED BY LANDLORD.
3. IF REQUIRED BY LANDLORD, CONTRACTOR SHALL SECURE THE NECESSARY APPROVAL OF STORE'S SPRINKLER SYSTEM FROM LANDLORD'S FIRE INSURANCE CARRIER.
4. TURN OVER ALL KEYS TO STORE MANAGER CLEARLY MARKING EACH KEY FOR IDENTIFICATION.
5. EXPLAIN OPERATION OF ALL MECHANICAL SYSTEMS TO STORE MANAGER.
6. INSTALL REMAINING OWNER SUPPLIED FIXTURES AND HARDWARE ARRIVING ON TRUCK.
7. GENERAL CONTRACTOR IS RESPONSIBLE TO PROVIDE TRASH CONTAINER FOR ALL INITIAL MERCHANDISE PACKING PRIOR TO STORE OPENING.

   ALL UNUSED FIXTURES ARE TO REMAIN THE PROPERTY OF THE STORE. CONTRACTOR SHALL NOT REMOVE OR DISCARD ANY OF THE UNUSED FIXTURES.

   G.C. TO CONTACT TENANT PCI AFTER COMPUTER INSTALLATION TO ENSURE PROPER WORKING ORDER. CALL 1-800-888-9576.

## GENERAL NOTES

1. < SHALL BE PERFORMED IN A PROFESSIONAL, WORKMANLIKE MANNER AND SHALL CONFORM TO ALL STATE, FEDERAL, AND LOCAL CODES, INDUSTRY ORGANIZATION STANDARDS, OR AS REQUIRED BY LANDLORD. OTHERWISE, CONTRACTOR WILL BE HELD LIABLE TO CORRECT ANY MISTAKES NOT COMPLYING TO THESE CODES AND ORGANIZATIONS AS MENTIONED.
2. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. NO 'EXTRAS' OR EXTENSIONS WILL BE GRANTED FOR FAILURE TO FOLLOW THE SPECS.
3. AS A GENERAL RULE, DIMENSIONS ARE TAKEN FROM MAJOR SURFACES OR PANEL SURFACES, NOT FROM THE PROJECTIONS OF MOLDINGS APPLIED TO THE SURFACE OR EDGE. MOLDING PROJECTIONS VARY, BUT MOST ARE 1/4" TO 3/8" BEYOND THE FACE.
4. THIS CONTRACTOR SHALL MAINTAIN ALL FIRE RATINGS AS REQUIRED BY CODES, BY THE LANDLORD AND HIS FIRE UNDERWRITER.
5. STRUCTURAL FRAMING MEMBERS FOR THE STOREFRONT AND INTERIOR AREAS SHALL BE LOAD BEARING STUDS. THIS CONTRACTOR SHALL COORDINATE WITH THE LANDLORD ON LOCATIONS, HEIGHT, AND METHOD OF ATTACHMENT OF ALL LOADS IMPOSED ON THE OVERHEAD STRUCTURE. ANY FIREPROOFING THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION.
6. ALL PAINTED WOOD SHALL BE CLOSED GRAIN HARDWOOD SUCH AS BIRCH, POPLAR, MAPLE, OR BIRCH VENEER PLYWOOD. SEE SPECS.
7. ALL NAIL, SCREW, AND FASTENER HOLES SHALL BE FILLED AND SMOOTH SANDED, READY FOR PAINTING. JOINTS IN MATERIAL SHALL BE KEPT TO A MINIMUM, AND SHALL BE AT CORNERS WHEN POSSIBLE. JOINTS IN EXPOSED FACES SHALL BE TIGHT AND FLUSH. JOINTS SHOULD BE PLANNED TO FALL BEHIND MOULDINGS. ALL EXPOSED JOINTS SHALL BE FILLED AND SANDED.
8. THIS CONTRACTOR SHALL COORDINATE ALL WORK ON THE SIGN AND SIGN LIGHTING WITH E.C. AND SIGN CO. THE SIGN WILL BE FURNISHED AND INSTALLED BY SIGN CO. REPAIR OF ANY DAMAGE TO THE SIGN PANEL WILL BE UNDER THE DIRECTION OF TENANT AT THE G.C.'S EXPENSE.
9. THIS CONTRACTOR SHALL COORDINATE WITH THE LANDLORD (AND OTHERS AS REQ'D.) FOR THE ERECTION OF BARRICADES, MOVEMENT OF MATERIALS, TRASH REMOVAL, TEMPORARY DISCONNECTION OF SPRINKLERS, ETC.
10. GNC SHALL FURNISH, PRIOR TO OPENING, ABC TYPE FIRE EXTINGUISHERS OF SIZE REQUIRED BY LOCAL CODES.
11. IF APPLICABLE, THE GENERAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR AND THE LANDLORD THE LOCATION AND SIZE OF RETURN AIR OPENINGS IN THE DEMISING WALLS ABOVE THE CEILING. THIS CONTRACTOR SHALL PROVIDE A FRAMING SECURITY SCREEN OVER THESE OPENINGS OF 1"x1" WIRE MESH.
12. THE GENERAL CONTRACTOR SHALL FIELD MEASURE THE LEASED PREMISES AND PROVIDE TENANT A DRAWING WITH ACCURATE ACTUAL DIMENSIONS, PARTICULARLY VERIFY DIMENSIONS IN THE AREA OF THE STOREFRONT. NOTIFY TENANT OF ANY DISCREPANCIES AND PROBLEMS THAT MAY OCCUR IMMEDIATELY.
13. THIS CONTRACTOR SHALL PROVIDE EXPANSION JOINTS IN THE FLOOR, STOREFRONT, WALLS, ETC., AS SHOWN OR REQUIRED. EXPANSION JOINT IN HARDWOOD FLOOR SHALL BE THE RUBBER OR NEOPRENE TYPE, SET FLUSH WITH THE HARDWOOD FLOOR ON EITHER SIDE.
14. IF EXISTING, G.C. SHALL REPAIR ANY FIRE PROOFING ON EXISTING STRUCTURAL STEEL MEMBERS WHETHER IT BE SPRAY-ON OR OTHER.
15. PRIOR TO BID SUBMISSION AND COMMENCEMENT OF WORK, THE G.C. SHALL MAKE A SITE VISIT TO THE EXISTING SPACE TO REVIEW DEMOLITION/SALVAGE REQUIREMENTS. COORDINATE ALL DEMOLITION WITH TENANT'S REPRESENTATIVE AND LANDLORD'S FIELD REPRESENTATIVE.
16. ALL DRYWALL SHALL BE 5/8" TYPE 'X' AS PER LOCAL BUILDING DEPARTMENT REQUIREMENTS.
17. G.C. TO INCLUDE ALL LANDLORD CHARGE BACK COSTS IN BID.

## DEFINITIONS

TENANT - GNC
G.C. - GENERAL CONTRACTOR
LANDLORD - MALL'S LANDLORD
F.C. - FIXTURE CONTRACTOR

SUFFIX "X" - EXISTING
SUFFIX "N" - NEW
SUFFIX "R" - RELOCATE

V.I.F. - VERIFY IN FIELD
E.T.R. - EXISTING TO REMAIN

## DISCLAIMER

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS BEFORE DETERMINING THE BID PRICE. ANY VARIANCE SHALL BE REPORTED TO THE TENANT'S CONSTRUCTION DEPARTMENT IMMEDIATELY. NO EXTRAS WILL BE PAID FOR WORK DUE TO THE FAILURE OF CHECKING THE EXISTING CONDITIONS.

## FLOOR COVERING SCHEDULE

| | |
|---|---|
| FC-1 | SHEET RUBBER MOHAWK TRUE COLLECTION MEDI-FLEX 133 DRIED CORAL |
| FC-2 | 7.25" X 48" LVT MOHAWK GOO095 - 937 DELIVER |
| FC-8 | 24" x 24" PORCELAIN TILE: AFI URBAN LANDSCAPE / COLOR SILVER LAKE GROUT: SUMMITVILLE S-710 PLYCHROMES #570 "SILVER GREY", 1/8" GROUT JOINT @ TOSERI MORTAR: SUMMITVILLE S-1200 MULTI-PURPOSE PREMIUM MEDIUM BED MORTAR OR EQUAL |
| FC-9 | EXPOSED CONCRETE - APPLY 2 COATS SW ARMORSEAL TREAD-PLEX ACRYLIC FLOOR COATING (BASE) OVER 1 COAT SW TREAD-PLEX PRIMER (BASE) |

FLOOR COVERING NOTES:
- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO HAVE A CALCIUM CHLORIDE TEST PERFORMED ON ALL CONCRETE SLABS TO CHECK THE MOISTURE CONTENT BEFORE INSTALLING FLOORING MATERIALS. A COPY OF THE RESULTS MUST BE FORWARDED TO THE PROJECT MANAGER WHEN TEST RESULTS ARE RECEIVED BY THE G.C.
- G.C. SHALL FURNISH AND INSTALL WATERPROOF MEMBRANE LATICRETE #9235 IN TOILET ROOM USING LATEX ADHESIVE BEFORE INSTALLING V.C.T. IF REQUIRED.

## BASE SCHEDULE

| | |
|---|---|
| B-1 | 2 3/4" WHITE BASE. |
| B-2 | 1/8" X 4" JOHNSONITE COLOR INTEGRATED RUBBER WALL BASE / CB - 63 - 4" BURNT UMBER |
| B-3 | 24" X 24" QUARTZ TILE: CELADON BIANCO BY NATICO GROUT: SUMMITVILLE "CASTLE" #19 1/8" GROUT JOINT |
| B-5 | FLASH COVE BASE: SEE FC-1 (SEE DETAIL 7/C.1) |

## PAINT SCHEDULE

| | |
|---|---|
| P-1 | PAINT: WASHABLE VPROMAR" ALKYD EGGSHELL FINISH/SW7005 "PURE WHITE"/B SHERWIN WILLIAMS / OR LATEX PAINT WASHABLE/POPLAR SERIES #3160/1 WHITE/EGGSHELL FINISH BY BENJAMIN MOORE |
| P-2 | PAINT: SEMI-GLOSS FINISH / SW 7005 "PURE WHITE" / BY SHERWIN WILLIAMS |

PAINT NOTES:
- PAINTING CONTRACTOR TO LEAVE ONE QUART OF EACH FINISH PAINT AT THE SITE FOR LATER TOUCH-UPS. CLEARLY LABEL EACH CAN.
- ACCESS DOORS ARE TO BE FIELD PAINTED TO MATCH ADJACENT SURFACES PRIOR TO INSTALLATION.
- ALL PAINTS SHALL BE APPLIED IN TWO COATS.

## WALLCOVERING SCHEDULE

| | |
|---|---|
| WC-2 | FRP BOARD REINFORCED FIBERGLASS PANELS FURNISHED & INSTALLED BY G.C. FOR USE AROUND UTILITY SINK & TOILET ROOM @ 48" A.F.F. |
| WC-4 | 24" X 24" QUARTZ TILE: CELADON BIANCO BY NATICO GROUT: SUMMITVILLE "CASTLE" #19 1/8" GROUT JOINT |
| WC-5 | GRANITE: SANDRE NEW STONE, 12" X 12" PORCELAIN TILE "PIETRA BASALTINA" DURABOND "PLATINUM" #G-223 |

## A.T.C. SCHEDULE

| | |
|---|---|
| ATC-1 | LAY-IN ACOUSTICAL CEILING/2' X 4' X 5/8"/TRIM EDGE/WHITE/#7755 "METRO" GRID BY ARMSTRONG OR DONN #91 "PRELUDE" BY CELOTEX OR USG #550 FISSURED WITH "DONN" DX-24 (#50 FLAT WHITE) OR EQUIVALENT SUSPENSION SYSTEM |
| ATC-2 | LAY-IN ACOUSTICAL CEILING/2' X 4' X 3/4"/TEGULAR EDGE/WHITE/#2167B SECOND LOOK II (SIMULATES 2' X 2' TILE) BY ARMSTRONG OR HYTONE BOLL-223 (SIB-6RD) BAROQUE CUSTOMLINE BY CELOTEX OR USG, #3575 "ILLUSION" WITH "DONN" DX-24 (#50 FLAT WHITE) OR EQUIVALENT SUSPENSION SYSTEM |
| ATC-3 | LAY-IN ACOUSTICAL CEILING/2' X 2' X 3/4"/FINE FISSURED HIGH TEGULAR "PRISMA" BY ARMSTRONG OR #7841 "SEVEREL EDGE /TEKTONA" BY CELOTEX OR USG #132 FISSURED WITH "DONN" DX-24 (#50 FLAT WHITE) OR EQUIVALENT SUSPENSION SYSTEM |
| ATC-6 | EXISTING LAY-IN ACOUSTICAL CEILING TILE & GRID TO REMAIN - REPLACE ANY DAMAGED OR STAINED TO MATCH EXISTING. |

## STOREFRONT GLAZING SYSTEMS

ALL INTERIOR STOREFRONT GLAZING CHANNEL IS TO BE BRUSHED CLEAR ANODIZED ALUMINUM IICB BY AFI OR EQUAL. ALL EXTERIOR STOREFRONT SYSTEMS TO BE CLEAR ANODIZED ALUMINUM UNLESS OTHERWISE SPECIFIED.

GNC LIVE WELL
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STATE OF FLORIDA
AR0017748
REGISTERED ARCHITECT
JIMMY LEE POWERS
AR 0017748

| NO. | DATE | DESCRIPTION |
|---|---|---|
| 13 | 4/24/2018 | REVISIONS PER BLDG DEPT COMMENTS |

GNC
17TH & ALTON ROAD RETAIL
1698 ALTON ROAD
MIAMI BEACH, FL 33139
SPACE # 200

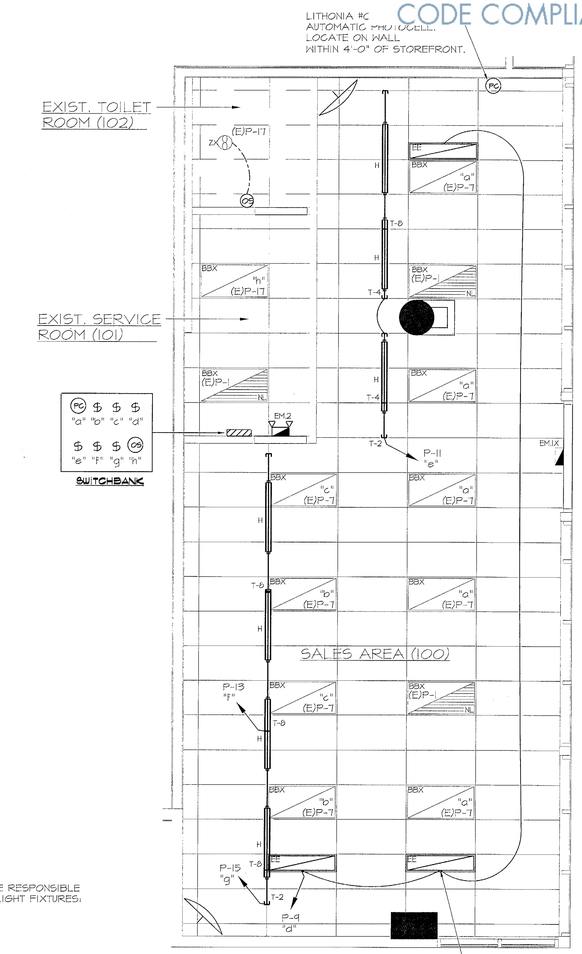
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| | |
|---|---|
| Drawn by: JRT | Date: 1/3/18 |
| Checked By: AMP | Date: DATE CHECKED |

Drawing Name: 02841.DWG

Drawing No. CS-2

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE

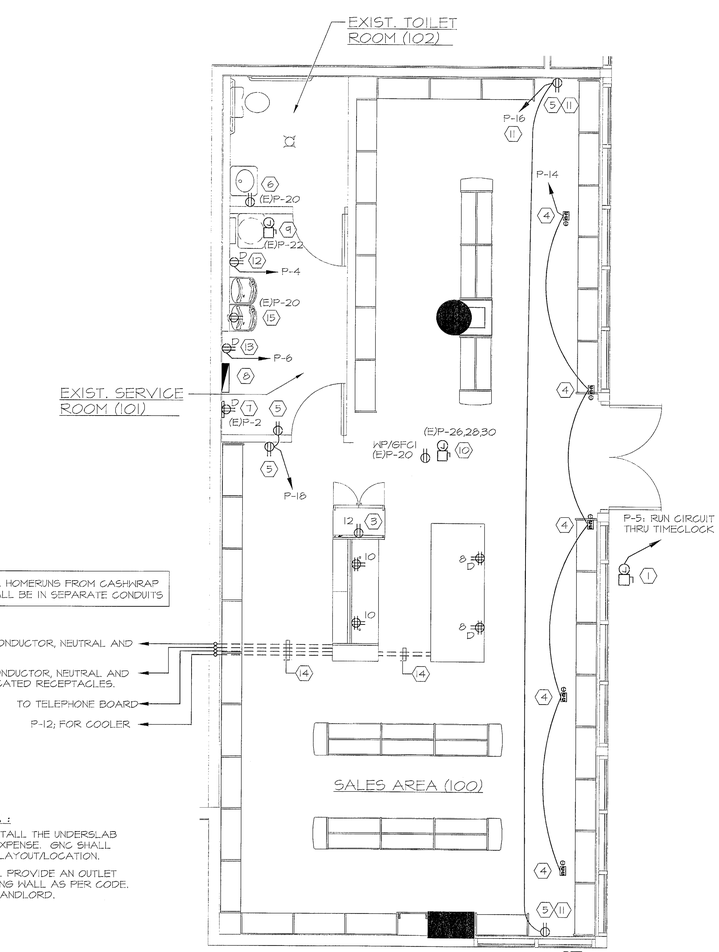



GNC CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF LIGHT FIXTURES:
- "EE" FIXTURE
- "H" FIXTURE
- "X" FIXTURE

NEW RECESSED WALLWASHER ACCENT LIGHT FIXTURES SEE DETAIL 2/E-2 FURN. BY GNC

## LIGHTING PLAN

SCALE: 1/4" = 1'-0"




ALL HOMERUNS FROM CASH/WRAP SHALL BE IN SEPARATE CONDUITS

P-10 ; 3/4" C. W/ ONE PHASE CONDUCTOR, NEUTRAL AND GROUND FOR RECEPTACLES.

P-8 ; 3/4" C. W/ ONE PHASE CONDUCTOR, NEUTRAL AND SEPARATE GROUND FOR DEDICATED RECEPTACLES.

TO TELEPHONE BOARD

P-12; FOR COOLER

P-3: RUN CIRCUIT THRU TIMECLOCK

## POWER PLAN

SCALE: 1/4" = 1'-0"

**LANDLORD WORK :**

LANDLORD SHALL INSTALL THE UNDERSLAB CONDUITS AT GNC'S EXPENSE. GNC SHALL PROVIDE THE EXACT LAYOUT/LOCATION.

THE LANDLORD SHALL PROVIDE AN OUTLET EVERY 20' ON DEMISING WALL AS PER CODE. WORK SHALL BE BY LANDLORD.

**GENERAL LIGHTING NOTES:**

1. ALL EXIT & EMERGENCY LIGHTS SHALL BE CONNECTED TO NEAREST GENERAL LIGHTING CIRCUIT & REMAIN UN-SWITCHED.
2. CONTRACTOR SHALL MODIFY EXISTING SWITCHLEG AS REQUIRED FOR EXISTING LIGHTS TO ACHIEVE SWITCHING AS SHOWN.

## SCOPE OF WORK :

ELECTRICAL SERVICE ENTRANCE IS EXISTING TO REMAIN.
ELECTRICAL PANEL IS EXISTING TO REMAIN.
HVAC UNIT, WATER HEATER, DRINKING FOUNTAIN & TOILET ROOM ARE EXISTING TO REMAIN.
GENERAL 2'x4' LIGHT FIXTURES ARE EXISTING TO REMAIN.

ALL CIRCUITS THAT ARE EXISTING TO REMAIN HAVE AN (E) BEFORE THE CIRCUIT NUMBER. EXAMPLE "(E)P-20". THESE ARE SHOWN FOR COORDINATION ONLY.

ALL NEW CIRCUITS ARE SHOWN AS "P-#"

NEW LIGHTING WORK :
- INSTALL NEW TRACK LIGHTING
- INSTALL NEW WALL WASHERS
- VERIFY EXISTING LIGHTING MEETS CURRENT ENERGY CODE BY CONFIRMING SWITCHING AS SHOWN.

NEW POWER WORK :

ALL OUTLETS, CIRCUITS, J-BOXES, ETC. SHOWN ARE NEW UNLESS THE CIRCUIT IS SHOWN AS EXISTING.
EXISTING SHOWN AS : (E)P-#
NEW SHOWN AS : P-#
ELECTRICAL KEYED NOTES WILL SAY EXISTING.
ALSO NOTED ON ELECTRICAL PANEL SCHEDULE ON SHEET E.2

## LIGHTING & POWER KEYED NOTES

1. J-BOX & 30A/2P/115V/NF/N-3R DISCONNECT SWITCH TO BE MOUNTED WITHIN 6'-0" OF BULKHEAD. TRANSFORMER AND FINAL CONNECTION BY ELECTRICAL CONTRACTOR. SIGN ON TIME CLOCK BY E.C.
2. NOT USED.
3. 1" CONDUIT FROM COOLER TO NEAREST WALL , E.C. TO INSTALL OUTLET W/ COVERPLATE FLUSH IN CASH/WRAP. COORDINATE W/ GNC
4. E.C. SHALL FURNISH AND INSTALL A DUPLEX RECEPTACLE AND "CEILING" HOOK W/ NON-COMBUSTABLE BLOCKING FOR SUPPORT, MOUNTED IN CEILING. FIELD COORDINATE EXACT LOCATION.
5. DUPLEX RECEPTACLE FLUSH MOUNTED IN WALL AT 18" A.F.F.
6. EXISTING G.F.C.I. DUPLEX RECEPTACLE FLUSH MOUNTED AT 42" A.F.F.
7. EXISTING LOCATION OF TELEPHONE SERVICE BACKBOARD. EXISTING SEPARATE GROUND RECEPTACLE FOR POWER TO TELEPHONE EQUIPMENT.
8. ELECTRICAL SERVICE
   REFER TO ELECTRICAL RISER DIAGRAM SHEET E.2
9. EXISTING J-BOX & 30A/2P/115V/NF/N-1 DISCONNECT SWITCH FOR WATER HEATER. INSTALLED NEW BY LANDLORD
10. EXISTING J-BOX & 60A/3P/208V/FUSED 50A/N-3R DISCONNECT SWITCH FOR ROOFTOP HVAC UNIT. EXISTING WP/GFCI RECEPTACLE @ UNIT. INSTALLED NEW BY LANDLORD
11. OUTLET & CIRCUIT BY LANDLORD
12. DUPLEX RECEPTACLE MOUNTED IN WALL APPROXIMATELY 1'-0" BELOW SERVICE ROOM CEILING. PROVIDE A DEDICATED CIRCUIT W/ LOCK-ON BREAKER FOR SECURITY. COORDINATE FINAL LOCATION WITH GNC.
13. DEDICATED DUPLEX RECEPTACLE MOUNTED @ 60" A.F.F. FOR MUZAK SYSTEM.
14. TRENCH/CORE DRILL FLOOR AS REQUIRED.
15. EXISTING G.F.C.I. DUPLEX RECEPTACLE FLUSH MOUNTED IN WALL AT 18" A.F.F.

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STATE OF FLORIDA
JIMMY LEE POWERS
AR0017748
REGISTERED ARCHITECT
1/17/19

JIMMY LEE POWERS
AR 0017748

| NO. | DATE | DESCRIPTION |
|---|---|---|
| 3 | 10/16/2006 | REVISIONS PER BLDG DEPT RSW |
| 4 | 1/16/2019 | INTERNAL REVISIONS RSW |
| | | BY APPR. |

GNC
17TH & ALTON ROAD RETAIL
1698 ALTON ROAD
MIAMI BEACH, FL 33139
SPACE # 200

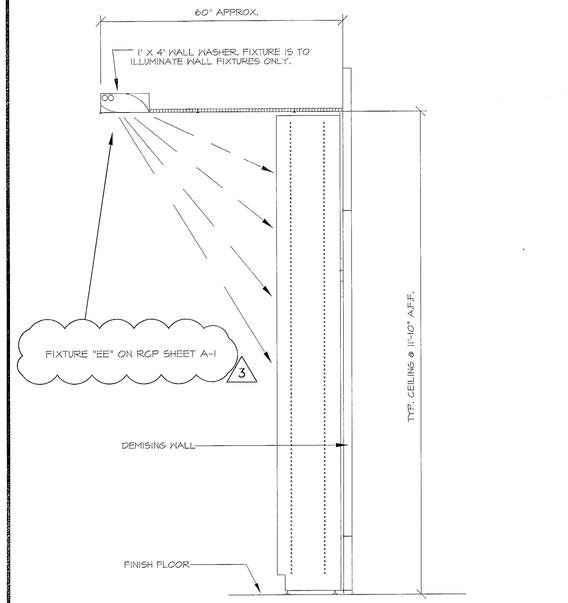
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|---|---|
| Drawn by: JRT | Date: 1/3/18 |
| Checked By: AMP | Date: DATE CHECKED |

Drawing Name: 02841.DWG

Drawing No. E-1

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE




2 / E-2 TYPICAL 1' x 4' WALLWASHER INSTALLATION
NO SCALE

## CASH/WRAP LEGEND

| | |
|---|---|
| | INDICATES 2 GANG JUNCTION BOX |
| J | INDICATES JUNCTION BOX |

## CASH/WRAP GENERAL NOTES

1. HOLES FOR POS #1, #2 AND ISP CABLE(S) TO BE 2 1/2" DIA.
2. CABINET WORK BY GNC AND INSTALLATION BY GNC GENERAL CONTRACTOR (GC). ELECTRICAL CONTRACTOR TO VERIFY PROPOSED LOCATION OF CASHWRAP W/GNC GC PRIOR TO INSTALLING ELECTRICAL DEVICES.
3. THESE DETAILS ARE FOR A TYPICAL CASH/WRAP INSTALLATION. E.C. SHALL FIELD VERIFY EXACT LOCATIONS, CONFIGURATIONS AND REQUIREMENTS WITH G.C. AND GNC PROJECT REPRESENTATIVE FOR STORE SPECIFIC CASH/WRAP.

## OL LEGEND

| | |
|---|---|
| | EX RECEPTACLE |
| | DEDICATED RECEPTACLE |
| | FLUSH MTD FLOOR RECEPTACLE |
| | FLUSH MTD CEILING RECEPTACLE |
| | TELEPHONE OUTLET |
| J | JUNCTION BOX |
| T/C | 24HR 7 DAY-TIME CLOCK |
| | DISCONNECT SWITCH |
| | TELEPHONE BOARD |
| | ELECTRICAL PANEL |
| | 3 #12, 1/2"C (2 CKT WIRES AND 1 NEUTRAL) |
| | HOME RUN |
| | CONDUIT STUBBED UP |
| | CONDUIT STUBBED DOWN |
| GFI | GROUND FAULT INTERRUPTER |
| N.L. | NIGHT LIGHT |
| T/C | TIMECLOCK |
| AV | FIRE ALARM AUDIO/VISUAL DEVICE |
| V | FIRE ALARM VISUAL DEVICE |
| OS | OCCUPANCY SENSOR HUBBELL#WS1277 |

## CONTRACTORS NOTE

UPON RECEIVING FIXTURES FROM GNC, THE E.C. SHALL IMMEDIATELY NOTIFY GNC OF ANY ADDITIONAL LIGHTING FIXTURES AS REQUIRED BY THE LIGHTING PLAN. ALL FIXTURES TO BE INSTALLED PRIOR TO FINAL INSPECTIONS.

## LIGHT FIXTURE SCHEDULE

| SYMBOL | TYPE | DESCRIPTION | MANUFACTURER | CATALOG NO. | VOLTS | MOUNTING |
|---|---|---|---|---|---|---|
| | A | 2 x 2 FLUORESCENT W/ 9 CELL PARABOLIC LENSES | LIGHTOLIER | DPA269ILSZT (120/277TS9) ADV RGN-2TTP40-SC 2L | 120/277 | REC |
| | AA | 2 x 4 FLUORESCENT W/ 9 CELL PARABOLIC LENSES | LIGHTOLIER | DPA269ILS232 (120/277TS9) ADV IG 2P32SC GEN 2L | 120/277 | REC |
| | B | 2 X 2 FLUORESCENT W/ PRISMATIC ACRYLIC LENSE | LIGHTOLIER | SPS269FSVA2TT (120/277TS9) ADV RGN-2TTP40-SC 2L | 120/277 | REC |
| | BB | 2 X 4 FLUORESCENT W/ PRISMATIC ACRYLIC LENSE | LIGHTOLIER | SPS232FSVA232 (120/277TS9) ADV IG 2P32SC GEN 2L | 120/277 | REC |
| | BL | 2 X 2 LED FLAT PANEL | TG | 8822240-35-L-F DIMMABLE T24 | 120/277 | REC |
| | BBL | 2 X 4 LED FLAT PANEL | TG | 8822450-35-L-F DIMMABLE T24 | 120/277 | REC |
| | C | RECESSED 6" OPEN DOWNLIGHT PAR 38 FRAME KIT | LIGHTOLIER | C6RBODCLW/ C6:20 | 120 | REC |
| | D | 48" TWO LAMP OPEN STRIP LIGHT | LIGHTOLIER | SW4S232HPFUNVCA ADV IG 2P32SC GEN 2L | 120/277 | SUR |
| | E | 'WALMASTER' 2' WALLWASHER | LIGHTOLIER | WMRLI24I20IB GSNC ADV RGN-1TTP40-SC IL | 120/277 | REC |
| | EE | 10' x 48" FLUORESCENT WALL WASH | HUBBLE | SP1-2-FP54-120 | 120/277 | REC |
| | J | LYTESPAN LOW PROFILE TRACK HEAD | LIGHTOLIER | 8201WH | 120 | PEN/TRK |
| | SP | PAR38 FRONT RELAMPING GIMBAL TRACK FIXTURE | LIGHTOLIER | 9022WH | 120 | PEN/TRK |
| | H | POWERWASH T5 4 FOOT TRACK MOUNTED FLUORESCENT | LIGHTOLIER | 9476NWH | 120 | PEN/TRK |
| | K | GALGULITE INCANDESCENT ADJUSTABLE ACCENT | LIGHTOLIER | AA7GLK30/ PAA7P38D | 120/277 | REC |
| | Q | 48" POWERWASH TRACK HEAD T5 ALUMINUM FINISH | LIGHTOLIER | 9476AL | 120 | PEN/TRK |
| | T2 | 24" ONE CIRCUIT, SURFACE TRAC WHITE, W6089 CLG CLIP | LIGHTOLIER | 6000WH | 120 | SUR |
| | T4 | 48" ONE CIRCUIT, SURFACE TRAC WHITE, W6089 CLG CLIP | LIGHTOLIER | 6001WH | 120 | SUR |
| | T8 | 96" ONE CIRCUIT, SURFACE TRAC WHITE, W6089 CLG CLIP | LIGHTOLIER | 6002WH | 120 | SUR |
| | EM-1 | L.E.D. EXIT SIGN | DUALITE | LXURN | 120/277 | SUR |
| | EM-2 | L.E.D. 'EXIT' SIGN W/ DUAL EMERGENCY LIGHTS, - 90MIN. BATTERY BACKUP | DUALITE | LTURN | 120/277 | SUR |
| | EM-3 | DUAL EMERGENCY LIGHTS, - 90MIN. BATTERY BACKUP | DUALITE | EZ-2 | 120/277 | SUR |
| | Z | EXHAUST FAN/LIGHT COMBINATION | NUTONE | 8664RP | 120 | REC |
| | XT | EXTERIOR DUAL EMERGENCY LIGHTS, - 90MIN. BATTERY BACKUP | LITHONIA | APN-DB-EXT | 120/277 | SUR |
| | G3 | 3-LAMP RECESSED DOWNLIGHT | PATHWAY | 3HDT4-34-W-H-W | 120 | REC |
| | L | 12" COMPACT FLUORESCENT STEMLIGHT WITH ACRYLIC SHADE | GCN TECH | CAFIIBGS-P/ CLAS6INT | 120/277 | PEN/STEM |

## LAMP SCHEDULE

| DESCRIPTION | # OF LAMPS | TOTAL WATTS |
|---|---|---|
| FT40T5/835 BIAX | 2 | 75 |
| T8/32W/835 | 2 | 54 |
| FT40T5/835 BIAX | 2 | 75 |
| T8/32W/835 | 2 | 54 |
| LED | - | 40 |
| LED | - | 50 |
| LED13PAR30LN/ DIM/NFL/SL1/W | 1 | 13 |
| T8/32W/835 | 2 | 64 |
| FT40DL/835/RS | 1 | 40 |
| FP54/835HOEGO | 2 | 108 |
| LED13PAR30LN/ DIM/NFL/SL1/W | 1 | 13 |
| LED13PAR38/DIM/830 830/NFL/SL1/W | 1 | 17 |
| T5 HIGH OUTPUT FL | 2 | 117 |
| LED13PAR30LN/ DIM/NFL/SL1/W | 1 | 13 |
| T5/54W | 2 | 108 |
| NOT APPLICABLE | —— | —— |
| NOT APPLICABLE | —— | —— |
| NOT APPLICABLE | —— | —— |
| INCLUDED | | 3 |
| INCLUDED | 2 | 5 |
| INCLUDED | 2 | 5 |
| 60W AIR | 1 | 155 |
| INCLUDED | 2 | 6 |
| T4 METAL HALLIDE | 3 | 117 |
| 18W / PAR30 / 40 FL DFN30WW2FL120 | 1 | 18 |

1. FIXTURES AND LAMPS SUPPLIED BY TENANT AND INSTALLED BY ELECTRICAL CONTRACTOR UNLESS OTHERWISE NOTED.
2. EQUIP NEW FLUORESCENT AND METAL HALIDE LIGHT FIXTURES WITH ELECTRONIC BALLASTS.
3. FIXTURES SHOWN WITH CROSS-HATCH ARE TO BE NIGHTLIGHTS.
4. FIXTURES USED FOR NIGHTLIGHTING TO BE ON LOCKOUT CIRCUIT.
5. GENERAL CONTRACTOR SHALL CLEAN AND RELAMP EXISTING FIXTURES TO REMAIN TO LIKE-NEW CONDITION. FIELD VERIFY LAMP TYPE.
6. E.C. TO VERIFY CONDITION OF EMERGENCY BALLAST AND REPLACE IF NECESSARY. IF NOT EQUIPPED, E.C. TO SUPPLY AND INSTALL NEW.

Kva x 1000 / Volts x 1.73 = 77 Amp

Feeder = 4 No. 2 + 8 GW - 2" C

Feeder Switch = 100 Amp 3 Pole 100 Fuse

Feeder CB _____ Amp _____ Pole

Notes/Remarks EXISTING SERVICE TO REMAIN

Transformer Feeder:

n/a KVA / - FLA (primary) x 1.25 = - Ampere

Use - No. - & No. - Ground & - Ampere CB

| LOAD | COND KW | DEMAND FACTOR | DESIGN KW SUMMER | DESIGN KW WINTER |
|---|---|---|---|---|
| Lighting | 4.45 | 1.25 | 5.56 | 5.56 |
| Receptacles | 5.33 | 1.00 | 5.33 | 5.33 |
| Motors | 0.2 | 1.00 | 0.2 | 0.2 |
| Heating | Included | 1.00 | X | 12.0 |
| Air Condition | 12.0 | 1.00 | 12.0 | X |
| Water Heater | 1.5 | 1.00 | 1.5 | 1.5 |
| Signs | 2.4 | 1.25 | 3.0 | 3.0 |
| TOTAL | 25.88 | | 27.59 | 27.59 |

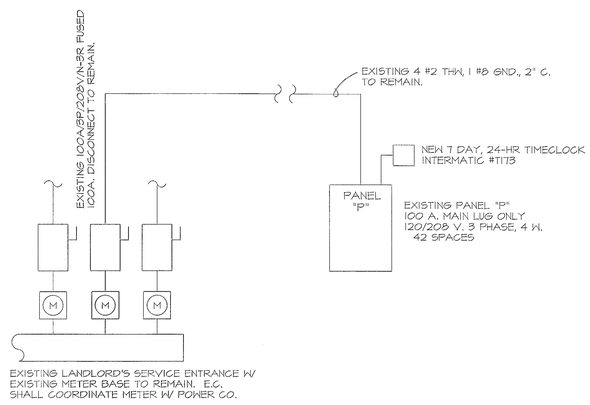
PANEL NO. "P" | DOUBLE WIDTH ☐ | LOCATION EXISTING IN SERVICE RM. | MAIN: 100A MAIN LUG breaker ___ amp ___ pole 10,000 AIC | ENCLOSURE NEMA ☐ flush mounted ☒ surface mounted

SERVICE 120 / 208 volt 3 phase 4 wire

| wire size | circ no. | trip amps | no. pole | FOR | phase load A | phase load B | phase load C | FOR | circ no. | trip amps | no. pole | wire size |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| #12 | 1 | 20 | 1 | NIGHTLIGHTS | 177 / 180 | | | TELEPHONE BOARD | 2 | 20 | 1 | #12 |
| #12 | 3 | 20 | 1 | SIGNAGE | | 1200 / 180 | | OUTLET-SECURITY | 4 | 20 | 1 | #12 |
| #12 | 5 | 20 | 1 | SIGNAGE | | | 1200 / 180 | OUTLET-MUZAK | 6 | 20 | 1 | #12 |
| #12 | 7 | 20 | 1 | SALES LIGHTING | 531 / 120 | | | CASH REGISTER | 8 | 20 | 1 | #12 |
| #12 | 9 | 20 | 1 | WALL WASHERS | | 324 / 720 | | OUTLETS-COUNTER | 10 | 20 | 1 | #12 |
| #12 | 11 | 20 | 1 | TRACK LIGHTING | | | 1350 / 1000 | COOLER | 12 | 20 | 1 | #12 |
| #12 | 13 | 20 | 1 | TRACK LIGHTING | 1200 / 900 | | | OUTLETS-CEILING | 14 | 20 | 1 | #12 |
| #12 | 15 | 20 | 1 | TRACK LIGHTING | | 750 / 360 | | OUTLETS-FRONT | 16 | 20 | 1 | #12 |
| #12 | 17 | 20 | 1 | STOCK/TOILET RM. | | | 319 / 360 | OUTLETS-BACK | 18 | 20 | 1 | #12 |
| - | 19 | - | - | - | - / 130 | | | OUTLET-ROOF/TR | 20 | 20 | 1 | #12 |
| - | 21 | - | - | - | | - / 1500 | | WATER HEATER | 22 | 20 | 1 | #12 |
| - | 23 | - | - | - | | | - / - | - | 24 | - | - | - |
| - | 25 | - | - | - | - / 4000 | | | HVAC UNIT | 26 | 50 | | #8 |
| - | 27 | - | - | - | | - / 4000 | | " " | 28 | | | #8 |
| - | 29 | - | - | - | | | - / 4000 | " " | 30 | | 3 | #8 |
| | | | | TOTAL | 8438 | 9034 | 8409 | CONNECTED LOAD = 25.88 KW DEMAND LOAD = 27.59 KW | | | | 77 AMPS |

1. PROVIDE A TYPED INDEX CARD IDENTIFYING ALL CIRCUITS.
2. ALL BREAKERS ARE EXISTING TO REMAIN UNLESS NOTED OTHERWISE.

(1) LOCK-ON BREAKER
(2) DEDICATED CIRCUIT W/ SEPARATE GROUND
(3) RUN CIRCUIT THRU TIMECLOCK
(E) EXISTING CIRCUIT & BREAKER TO REMAIN
(N) NEW BREAKER
(R) RE-USE EXISTING BREAKER FOR NEW CIRCUIT PROVIDE NEW BREAKER AS NEEDED.




## ELECTRICAL RISER DIAGRAM

NOTE : THE ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING A BID.

GNC LIVE WELL
GENERAL NUTRITION CENTER, INC.
300 SIXTH AVENUE, PITTSBURGH, PA 15222
PHONE: 412-338-8967 FAX: 412-338-8878

PSW CONSULTANTS
2203 SOUTH COLWICK
SAN ANTONIO, TX 78216
PHONE: 210-408-1860

STATE OF FLORIDA JIMMY LEE POWERS AR0017748 REGISTERED ARCHITECT

JIMMY LEE POWERS
AR 0017748

| NO. | DATE | DESCRIPTION | BY | APPR. |
|---|---|---|---|---|
| 3 | 10/02/2006 | REVISIONS PER BLDG DEPT COMMENTS | | |

GNC
17TH & ALTON ROAD RETAIL
1698 ALTON ROAD
MIAMI BEACH, FL 33139
SPACE # 200

Store No. 2841

| | |
|---|---|
| Drawn by: JRT | Date: 1/3/18 |
| Checked By: AMP | Date: DATE CHECKED |

Drawing Name: 02841.DWG

Drawing No. E-2

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE

# ELECTRICAL SPECIFICATIONS

## 1. DEMOLITION NOTES

A. ELECTRICAL DEMOLITION WORK SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO, REMOVING LIGHTING PANELS, LIGHTING FIXTURES, RECEPTACLES, WIRE, CONDUIT, ETC., AS REQUIRED FOR THE INSTALLATION OF NEW EQUIPMENT AS INDICATED ON DRAWINGS.

B. CONTRACTOR SHALL REMOVE ANY EXPOSED WIRE, CONDUIT, HANGERS, CLAMPS, ETC., WHICH ARE NOT BEING UTILIZED FOR THE NEW INSTALLATION.

C. EXISTING WIRE AND CONDUITS CONCEALED ABOVE CEILING OR IN WALLS NOT BEING REUSED SHALL BE REMOVED. EXISTING CONDUITS, WHERE APPLICABLE, MAY BE REUSED.

D. PROVIDE A NEW TYPEWRITTEN CIRCUIT DIRECTORY FOR EACH NEW OR EXISTING PANEL.

E. CONTRACTOR SHALL VISIT THE JOB SITE AND BE THOROUGHLY AWARE OF EXISTING CONDITIONS UNDER WHICH THE WORK MUST BE PERFORMED AND SHOULD ADVISE GNC CONSTRUCTION DEPARTMENT OF ANY INTERFERENCES OR VIOLATIONS BEFORE SUBMITTING THE BID.

F. ALL EXISTING EQUIPMENT NOT UTILIZED AS PART OF THE NEW WORK SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND BE DISPOSED OF AWAY FROM THE JOB SITE.

G. EXISTING METERING IS TO REMAIN. FIELD VERIFY EXISTING CONDITIONS AND REQUIREMENTS.

## 2. GENERAL

A. ALL SUB TRADES SHALL COORDINATE THEIR WORK WITH WORK OF OTHERS OR WITH EXISTING CONDITIONS OCCURRING ABOVE OR BELOW THE LEASED PREMISES AND SHALL MAKE CHANGES FROM TIME TO TIME AS REQUIRED TO ACCOMMODATE SUCH WORK OR CONDITIONS.

B. ALL WORK AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF ALL FEDERAL, STATE, AND LOCAL LAWS, ORDINANCES, AND REGULATIONS AS WELL AS THE RULES AND STANDARDS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS, THE NATIONAL ELECTRICAL CODE, THE NEMA, AIEE, AND OSHA.

C. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND CERTIFICATES OF INSPECTION FOR WORK HEREIN SPECIFIED. THE COST OF SUCH PERMITS AND CERTIFICATES SHALL BE INCLUDED IN THE BID PROPOSAL.

D. ELECTRICAL CONTRACTOR SHALL VISIT THE SITE AND BUILDING AND SHALL EXAMINE TO HIS/HER SATISFACTION ALL OF THE PHYSICAL CONDITIONS THAT AFFECT THE CONTRACT PRICE, NOTING THE LOCATION OF EXISTING EQUIPMENT. NO ADDITIONS TO THE CONTRACT PRICE WILL BE PERMITTED DUE TO IGNORANCE OF EXISTING CONDITIONS.

E. ELECTRICAL CONTRACTOR SHALL WIRE COMPLETE ALL NEW SERVICE SWITCHES, EQUIPMENT PANELS, SWITCHES, LIGHT FIXTURES, DUPLEX OUTLETS, ETC., AS REQUIRED AND AS SHOWN. ALL NEW BRANCH CIRCUIT WIRING AT LIGHT PANEL, DISCONNECTS, ETC., SHALL BE AS INDICATED OR AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.

F. SHOULD ANY QUESTIONS ARISE REGARDING OUTLET LOCATION, ACCESS DOOR REQUIREMENTS, ETC., CONTACT GNC CONSTRUCTION DEPARTMENT.

G. IN GENERAL, WIRES SHALL BE RUN IN CORROSION RESISTANT, THREADED INTERMEDIATE METAL CONDUIT (I.M.C.), OR ELECTRICAL METALLIC TUBING (E.M.T.), OR PRE-WIRED FLEXIBLE CONDUIT (REFER TO NEC ARTICLE 334), UNLESS OTHERWISE NOTED.

H. PROVIDE "TEFLON" COATED WIRE, OR THINWALL E.M.T. CONDUIT SYSTEM FOR LOW VOLTAGE SYSTEMS.

I. BRANCH CIRCUIT WIRING IN CONCRETE OR MASONRY OR DAMP LOCATIONS SHALL BE RUN IN INTERMEDIATE METAL CONDUIT (NEC ARTICLE 342) USING "THIN" WIRE.

J. THE FINAL CONNECTION AT ALL MOTORS OR MOTORIZED EQUIPMENT SHALL BE MADE WITH A MINIMUM OF 12" OF LIQUID TIGHT FLEXIBLE CONDUIT WITH APPROVED GROUNDING MEANS. CONDUIT AND FITTINGS SHALL CONFORM TO THE FOLLOWING: STEEL CONDUIT, ELBOWS, AND COUPLINGS SHALL BE HOT DIPPED GALVANIZED, CONFORM TO THE LATEST (ANSI) SPECIFICATION FOR STEEL CONDUIT, ZINC COATED, AND SHALL BE PITTSBURGH, REPUBLIC, TRIANGLE, YOUNGSTOWN, OR APPROVED EQUAL.

K. BOXES AND FITTINGS SHALL BE STEEL CITY, APPLETON ELECTRIC, RACO, OR RUSSELL AND STOLL, GALVANIZED STEEL, CODE THICKNESS, A MINIMUM OF 1-1/2" DEEP, AND OF SUFFICIENT SIZE TO ACCOMMODATE THE DEVICES SHOWN ACCORDING TO NEC REQUIREMENTS.

L. ALL EQUIPMENT, NEW OR EXISTING, INSTALLED ABOVE A CEILING USED AS A PLENUM FOR ENVIRONMENTAL AIR SHALL BE SO RATED FOR THAT PURPOSE. NO OPEN CABLING OR PVC PLASTIC CONDUITS SHALL BE INSTALLED IN THE PLENUM SPACE AS NOTED IN NEC #300- 22.

M. WIRE AND CABLE SHALL BE OF COPPER WITH 98% CONDUCTIVITY AND SHALL MEET THE STANDARD SPECIFICATIONS AND TESTS ESTABLISHED FOR SUCH MATERIALS AND CONSTRUCTION OF ASTM, NEMA, UL ANSI, AEIC, AND IPECA, WHERE APPLICABLE MATERIAL, CONSTRUCTION DATA, INSULATION THICKNESS, JACKET THICKNESS TEST DATA, AND SAMPLE SHALL BE SUBMITTED FOR APPROVAL UPON REQUEST. WIRE AND CABLE SHALL BE AS MANUFACTURED BY ANACONDA, AMERICAN STEEL AND WIRE, GENERAL CABLE, GENERAL ELECTRIC, OKONITE, PHELPS DODGE, REYNOLDS, SIMPLEX, TRIANGLE, OR APPROVED EQUAL.

I. WIRE FOR GENERAL INTERIOR BRANCH CIRCUIT USE (#8 AWG AND SMALLER) SHALL BE TINNED, STRANDED, ANNEALED COPPER. INSULATION SHALL BE A MOISTURE AND HEAT RESISTING THERMOPLASTIC MEETING UL REQUIREMENTS FOR TYPE "THHN/THWN", 600 VOLT, 90 DEGREES C.

2. WIRE FOR FEEDERS AND POWER EQUIPMENT (#6 AWG AND LARGER) SHALL BE STRANDED COPPER, INSULATION SHALL BE A MOISTURE AND HEAT RESISTANT CROSS-LINKED SYNTHETIC POLYMER, MEETING THE UL REQUIREMENTS FOR TYPE "XHHW", 600 VOLT, 90 DEGREES C (DRY LOCATIONS).

## 3. TRANSFORMERS

A. STEP DOWN TRANSFORMERS SHALL BE EQUAL TO GE OR WESTINGHOUSE 600 VOLT CLASS "DRY TYPE" SINGLE OR THREE PHASE (PER PLAN) CLASS "R" INSULATION WITH MULTIPLE TAPS ABOVE AND BELOW RATED VOLTAGE.

## 4. PANELS AND OVERCURRENT PROTECTION

A. LIGHTING AND RECEPTACLE PANELBOARDS SHALL BE CIRCUIT BREAKER TYPE WITH THERMAL MAGNETIC, TRIP FREE, TRIP INDICATING, INVERSE TIME. MULTIPLE POLE BREAKERS SHALL BE COMMON TRIP CIRCUIT BREAKERS, EQUIPPED WITH SILVER ALLOY CONTACTS AND QUICK-MAKE, QUICK-BREAK MECHANISM, AND WITH INSULATED SCREW TERMINAL SOLID NEUTRAL BAR. PANELS TO HAVE MAIN BREAKERS OR MAIN LUGS ONLY AS NOTED.

1. LIGHTING AND RECEPTACLE PANELS SHALL BE FLAT FRONT AND TRIM UNITS EQUIPPED WITH CONCEALED HINGED DOOR AND TYPEWRITTEN CIRCUIT DIRECTORIES.

B. ALL ELECTRICAL WORK IN THE LEASED PREMISES, UNLESS OTHERWISE NOTED, INCLUDING, BUT NOT LIMITED TO, ALL LIGHTING FIXTURES, SHALL BE OF A MANUFACTURER APPROVED BY GNC CONSTRUCTION DEPARTMENT'S PROVISIONS AND INSTALLATION OF ELECTRICAL PANELS, BREAKERS, WALL OUTLETS, BOXES, POWER SYSTEM FEEDERS, EMPTY CONDUIT FOR COMMUNICATION SYSTEMS WIRING, AND INSULATION OF LIGHTING FIXTURES SHALL BE BY THE ELECTRICAL CONTRACTOR. CONSULT PLANS AND DETAILS FOR EXTENT OF WORK. ALL ELECTRICAL MATERIALS SHALL BE NEW AND SHALL BE NATIONAL ELECTRIC CODE STANDARD, UNLESS BETTER GRADE IS MENTIONED HEREIN, AND SHALL BEAR THE UNDERWRITERS' LABORATORIES LABEL.

C. ELECTRICAL CONTRACTOR SHALL GUARANTEE AGAINST MECHANICAL AND ELECTRICAL DEFECTS OF ANY OR ALL EQUIPMENT, MATERIALS AND WORKMANSHIP COVERED BY THESE SPECIFICATIONS AND SHALL MAKE GOOD, REPAIR, OR REPLACE, AT HIS OWN EXPENSE, ANY DEFECTIVE EQUIPMENT, MATERIAL, WORK OR PART WHICH MAY SHOW ITSELF WITHIN A PERIOD OF ONE (1) YEAR AFTER FINAL ACCEPTANCE OF WORK.

D. UPON COMPLETION OF ELECTRICAL WORK, THE INSTALLATION SHALL BE ENTIRELY FREE FROM GROUNDS AND SHORT CIRCUITS. ALL CIRCUITS SHALL BE GROUND OUT AND PROPERLY LABELED. ALL CIRCUITS SHALL BE BALANCED ACROSS ALL PHASES IN ALL PANELS (NEW AND/OR EXISTING)

E. THE ELECTRICAL SYSTEM GROUNDING AND GROUNDING ON NON-CURRENT CARRYING METAL PARTS OF ELECTRICAL EQUIPMENT SHALL IN ALL INSTANCES CONFORM TO THE MINIMUM REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE WITH ADDITIONAL GROUNDING AS SHOWN ON THE DRAWINGS AND AS SPECIFIED HEREINAFTER. THE MINIMUM SIZE CONDUCTOR TO BE USED FOR ELECTRICAL SYSTEM GROUNDING SHALL BE NO. 6. WHERE CONDUIT IS USED FOR MECHANICAL PROTECTION OF A GROUNDING CONDUCTOR, THE CONDUCTOR SHALL BE SECURELY BONDED TO THE CONDUIT AT EACH END. CONSULT DRAWINGS FOR EXACT SIZE OF GROUNDING CONDUCTORS AND/OR CONSULT NEC ARTICLE 250, TABLE 250-66

F. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL TEMPORARY LIGHTING AND RECEPTACLES AS REQUIRED TO MEET OSHA REQUIREMENTS.

G. ALL CONTROL WIRING FOR HVAC SYSTEM SHALL BE BY THE HVAC CONTRACTOR.

H. LIGHTING AND RECEPTACLE PANELS SHALL BE RATED 120/208 VOLT, 3 PHASE, 4 WIRE, WITH MINIMUM RATED 10,000 A.I.C. BOLT-ON BREAKERS. PANELBOARD SHALL BE NOMINAL SIZE, 20" WIDE x 5-3/4" DEEP WITH LOCKING DOORS AND WITH BUSSING AS SIZED ON DRAWINGS, SIMILAR TO SQUARE D, TYPE "NQOB" OR OTHER APPROVED. SAFETY SWITCHES SHALL BE FUSIBLE OR NON-FUSIBLE TYPE AS INDICATED ON PLANS. UNITS SHALL BE QUICK-MAKE, QUICK-BREAK, SAFETY INTERLOCK TYPE, SINGLE THROW, SINGLE, TWO OR THREE POLE, 250 VOLT RATING AS REQUIRED, AND WITH AMPERE AND/OR HORSEPOWER RATINGS INDICATED OR REQUIRED FOR THE INSTALLATION AND AS SHOWN ON DRAWINGS.

1. IF CIRCUIT BREAKERS ARE TO BE USED AS THE SWITCH CONTROL OF LIGHTING CIRCUITS, THE BREAKERS MUST BE APPROVED FOR THAT USE (TYPE "SWD").

2. PROVIDE GFI BREAKERS AS NOTED AND AS REQUIRED.

3. PROVIDE GROUND BUS AS INDICATED IN PANEL SCHEDULE AND/OR RISER DIAGRAMS.

4. IN GENERAL, ENCLOSURES SHALL BE NEMA 1 EXCEPT WHERE WEATHERPROOF SWITCH IS REQUIRED. ENCLOSURES SHALL BE NEMA 3R.

5. UNITS SHALL BE "GENERAL DUTY" TYPE AND SHALL BE SIMILAR TO SQUARE D TYPE "GD" OR OTHER APPROVED.

I. FUSES FOR THIS PROJECT SHALL BE AS MANUFACTURED BY BUSSMAN MANUFACTURING CO., CHASE-GOULD CO., OR RELIANCE FUSE, AND SHALL BE OF THE SIZE AS INDICATED ON THE DRAWINGS OR AS REQUIRED. COORDINATION AND VERIFICATION OF FINAL SIZING AND INTERRUPTING CAPACITY OF FUSES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT THE COMPLETION OF THE PROJECT. ALL FUSES FOR THIS PROJECT SHALL BE PROVIDED BY THE CONTRACTOR AND SHALL BE OF ONE MANUFACTURER.

1. FUSES FOR PROTECTION OF ALL MOTOR CIRCUITS SHALL BE DUAL ELEMENT, TIME DELAY TYPE, "LOW PEAK".

2. FUSES FOR PROTECTION OF CIRCUIT BREAKERS SHALL BE FAST ACTING "LIMITRONS".

3. FUSES FOR PROTECTION OF EQUIPMENT OTHER THAN THOSE LISTED ABOVE SHALL BE "TUSETRONS".

## 5. ELECTRICAL DEVICES

A. LOCAL WALL SWITCHES SHALL BE SPECIFICATION GRADE, 20 AMP, 120/277 VOLT, RATED NON-MERCURY "QUIETTE" TOGGLE SWITCHES WITH WHITE OPERATING HANDLES. SWITCHES SHALL BE HUBBELL #1221 SERIES, ARROW-HART, BRYANT, GENERAL ELECTRIC, OR P & S 5 FOR OPERATING ON 120V CIRCUITS. SWITCHES SHALL BE MOUNTED 4'-0" ABOVE THE FLOOR.

B. GENERAL USE RECEPTACLES SHALL BE DUPLEX, 2 WIRE, 3 POLE, SELF-GROUNDING TYPE WITH STANDARD PARALLEL SLOTS TO ACCOMMODATE BOTH REGULAR AND GROUND TYPE PLUG CAPS. RECEPTACLES SHALL BE, 20A AND BEAR UL LABELS FOR RATINGS AT 125V AC. RECEPTACLES SHALL BE HUBBELL #5362 SERIES, A.H. & H., BRYANT, P & S, OR GENERAL ELECTRIC.

C. FLUSH FLOOR BOXES SHALL BE CAST IRON, WATERTIGHT, AND FULLY OR SEMI-ADJUSTABLE AS REQUIRED. FLOOR BOXES INSTALLED IN FLOORS WITHOUT ROUGH SLAB AND TOPPING SHALL BE SINGLE GANG AND SIMILAR TO HUBBELL #B-2481 OR HUBBELL #B-2414 (SEMI-ADJUSTABLE) FOR INSTALLATIONS WITH EXISTING ROUGH SLAB WITH NEW 2" TOPPING. COVER PLATE SHALL BE HUBBELL #S-3625 DUPLEX COVER FLAP FOR POWER AND HUBBELL #16-5362 ISOLATED GROUND DUPLEX RECEPTACLE. PROVIDE CARPET FLANGES AS REQUIRED.

D. ELECTRICAL FLOOR OUTLETS SHALL BE FLUSH POKE-THRU TYPE WITH FULL CAPACITY FOR TWO SERVICES; 5 OR 20 AMP RECEPTACLE POWER; WITH INDIVIDUAL OPENINGS FOR LOW TENSION WIRING-- DUPLEX RECEPTACLE TO BE 5262, AND SHALL EXCEED FEDERAL SPECIFICATIONS WC596E, COMPATIBLE WITH ANY THICKNESS SLAB.

E. ALL SWITCHES, RECEPTACLE AND TELEPHONE PLATES, ESCUTCHEONS, ETC., FOR ALL CONCEALED CONDUIT AREAS SHALL BE FLAT FRONT, SMOOTH EDGES, ROUNDED CORNERS, STEEL PLATES, SMOOTH FINISH, FINISH AS FOLLOWS: WHITE PLATES ON WHITE FINISHES; BLACK PLATES ON BLACK FINISHES, ALL OTHER PLATES SHALL BE IVORY. PLATES SHALL BE SIMILAR TO HUBBELL "THERMOPLASTIC" OR OTHER APPROVED. ALL DEVICE PLATES FOR EXPOSED BOXES SHALL BE CADMIUM OR ZINC PLATED STEEL.

F. COVER PLATES AND RECEPTACLES FOR EXTERIOR OUTLETS (WEATHERPROOF TYPE) SHALL BE MOUNTED HORIZONTALLY WITH DOUBLE LIFT COVERS AND CAST ALUMINUM. BOX AND COVER PLATES SHALL BE SIMILAR TO HUBBELL #5200 SERIES OR OTHER APPROVED. ALL EXTERIOR RECEPTACLES SHALL BE GFI CIRCUIT PROTECTED.

G. DIMENSION NEXT TO OUTLETS: INDICATE ABOVE FINISHED FLOOR ELEVATION TO CENTER OF JUNCTION BOX.

H. TIME CLOCKS (SWITCHES) FOR CONTROL OF SIGNS SHALL BE SYNCHRONOUS MOTOR TYPE, MANUAL OVERRIDE SWITCH, DAY SKIPPER, AND 24 HOUR DIAL. INTERMATIC #T-170 SERIES OR OTHER APPROVED.

## 6. LIGHTING

A. LIGHTING FIXTURES SHALL BE UL LISTED, COMPLETE IN EVERY DETAIL, INCLUDING PLASTER FRAMES WHERE REQUIRED, PROPERLY WIRED AND CONNECTED WITH CONDUITS SUPPLYING SAME. ALL INDICATED AND HID FIXTURES SHALL BE PREWIRED. COORDINATE INSTALLATION OF FIXTURES WITH CEILING TYPE CONSTRUCTION AND GRID LAYOUT.

1. LIGHTING FIXTURES SHALL BE SECURELY SUPPORTED AS REQUIRED. SUPPORTS SHALL BE BY THE ELECTRICAL CONTRACTOR. SURFACE-MOUNTED OF SUSPENDED FLUORESCENT LIGHTING FIXTURES SHALL HAVE A MINIMUM OF TWO (2) SUPPORTS PER 4 FEET OF LENGTH.

2. EXIT LIGHTS SHALL NOT BE SUPPORTED FROM THE CEILING TILES. ALL RECESSED FLUORESCENT FIXTURES TO HAVE SAFETY GRID CLIPS AS REQUIRED BY NEC 2011 ARTICLE 410-36, PARAGRAPH (B).

3. ALL LIGHTING FIXTURES SHALL BE PANEL SWITCHED UNLESS OTHERWISE INDICATED ON THE PLANS OR DETAILS.

4. LIGHTING FIXTURE CHANNELS SHALL NOT BE UTILIZED AS A WIRING RACEWAY UNLESS CHANNELS ARE PROVIDED AND LABELED FOR SUCH USE BY UL AND AS APPROVED BY NEC.

5. IN GENERAL, ALL RECESSED FIXTURES SHALL COMPLY WITH ARTICLES #410-110, #410-118, #410-118, AND #410-130 OF NEC REGARDING TEMPERATURE, CLEARANCE, CONSTRUCTION, AND INSULATION.

6. ELECTRICAL CONTRACTOR SHALL UPDATE EXISTING AND/OR INSTALL NEW NIGHT LIGHT CIRCUITS, EXIT LIGHTS, AND EMERGENCY LIGHTING AS REQUIRED TO COMPLY WITH THE REQUIREMENTS OF STATE AND LOCAL CODES AND AUTHORITIES.

7. VERIFY "LETTER COLOR", STYLE, SIZE AND SPACING OF EXIT LIGHTS WITH LOCAL CODES PRIOR TO INSTALLATION.

8. AT THE COMPLETION OF WORK, ALL FIXTURES SHALL BE CLEAN AND FREE OF FOREIGN MATERIALS AND DEBRIS. REPLACE ALL BURNED OUT OR DEFECTIVE LAMPS, BALLASTS, FUSES, LENSES, ETC.

## 7. TELEPHONE

A. ELECTRICAL CONTRACTOR TO SUPPLY ALL WIRE CONNECTIONS FOR TELEPHONE SERVICE AND RUN ALL WIRES FROM CASHWRAP TO THE PHONE BLOCK IN REAR OF STORE.

## 8. ELECTRIC CASH REGISTER

A. ELECTRICAL CONTRACTOR TO INSTALL JUNCTION BOX WITH (1) 120V, 20A, ISOLATED GROUND CIRCUIT FOR POS (SEPARATE CIRCUIT) AND (1) 120V, 20A, CIRCUIT FOR CONVENIENCE OUTLET FOR GENERAL USE, MOUNTED AT COUNTER AS SHOWN.

B. THE CIRCUIT USED TO POWER AN POS CASH REGISTER SHALL NOT BE USED FOR OTHER ELECTRO-MECHANICAL EQUIPMENT. THE CIRCUITS SHALL NOT SHARE THE NEUTRAL LINE WITH OTHER EQUIPMENT, SEPARATE POWER, NEUTRAL AND GROUND WIRES. WIRE SIZE SHALL BE #12 AWG AND SHALL BE RUN TO CIRCUIT BREAKER BOX WITH GROUND WIRE TIED TO GROUND TERMINAL IN PANEL. ISOLATED GROUND WIRE AND BUS FROM NEUTRAL. DO NOT USE THIS CONDUIT FOR GROUNDING AS THESE GROUNDS MAY NOT BE ADEQUATE AT THE HIGH FREQUENCIES UTILIZED BY THE ELECTRIC CASH REGISTER. THE POWER LINES FOR THE ELECTRIC CASH REGISTERS SHOULD NOT BE RUN IN THE SAME CONDUIT AS THE POWER LINES FOR HEAVY MOTOR LOADS.

## 9. FIRE AND SMOKE DETECTION SYSTEM

A. IF REQUIRED BY THE LANDLORD OR LOCAL BUILDING CODES, THIS CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR TO FURNISH AND INSTALL A FIRE AND SMOKE DETECTIONS SYSTEM, INCLUDING BUT NOT LIMITED TO, SMOKE DETECTORS, SMOKE EXHAUST FANS, VISUAL AND AUDIBLE ALARMS, TAMPER AND FLOW SWITCHES, ETC. ALL EQUIPMENT MUST BE FULLY OPERABLE AND MEET THE LANDLORD AND BUILDING DEPARTMENT REQUIREMENTS. CONTACT THE TENANT'S REPRESENTATIVE WITH ANY DISCREPANCIES OR MISUNDERSTANDINGS.

GNC LIVE WELL
GENERAL NUTRITION CENTER, INC.
300 SIXTH AVENUE, PITTSBURGH, PA 15222
PHONE: 412-338-8967 FAX: 412-338-8878

RSW CONSULTANTS
SAN ANTONIO, TX 78216
PHONE: 210-408-1860

STATE OF FLORIDA
JIMMY LEE POWERS
AR0017748
REGISTERED ARCHITECT
1/1/18

JIMMY LEE POWERS
AR 0017748

| NO. | DATE | DESCRIPTION | BY | APPR. |
|---|---|---|---|---|
| | | REVISIONS | | |

GNC
17TH & ALTON ROAD RETAIL
1698 ALTON ROAD
MIAMI BEACH, FL 33139
SPACE # 200

| | |
|---|---|
| Store No. 2841 | |
| Drawn by: JRT | Date: 1/3/18 |
| Checked By: AMP | Date: DATE CHECKED |
| Drawing Name: 02841.DWG | |
| Drawing No. E-3 | |

MIAMIBEACH

REVIEWED FOR CODE COMPLIANCE

**Building Department**
0 Convention Center Drive, 2nd FL
Miami Beach, Florida 33139
Telephone: 305-673-7610
http://www.miamibeachfl.gov/city-hall/building/

# Plan Routing Sheet

| General Information – All fields MUST be completed for submittal | | |
|---|---|---|
| Date: 12/13/2018 | Process/Permit Number: BC 1800816 | Historic (Y/N): (N) |
| Job Address: 1698 ALTON ROAD SUITE 200 | | |
| Contact Name: JOE LEBLANC | | |
| E-mail: JOSEPH_LEBLANC@COMCAST.NET | | |
| Phone No: 954-642-6345 | Cell /Fax No: | |

**Re-submittals - New Sheets:** Yes [X] No [ ]

**List all new sheets:**
ES-1,2, AS-1,2, A1,2,3,5, E-1,2, E-1,2,3

→ Send 1st + 2nd submittal to Dem

**OFFICE USE ONLY**

| Required Approvals - As Indicated | | |
|---|---|---|
| [X] Building | [X] Flood Plain Management | [ ] Public Works |
| [X] DERM | [ ] Landscaping | [ ] Roofing |
| [X] Electrical | [X] Mechanical | [X] Structural |
| [ ] Elevator | [ ] Parking | [ ] Urban Forestry |
| [ ] Environmental-Sustainability | [X] Planning & Zoning | [ ] |
| [X] Fire | [X] Plumbing | [ ] |

Comments:

*Clerk's Name:* _____ Date: 12/12/18

| | | |
|---|---|---|
| [X] 2 sets of plans | [ ] Flood Proofing Certificate | [ ] Permit Application |
| [ ] Appraisal | [ ] Geotechnical Report | [ ] Special Inspector Forms |
| [ ] Construction Contract | [ ] Master set | [ ] Structural calculations |
| [X] DERM Approval N/A | [ ] Master Permit #: | [ ] Survey(s) |
| [ ] Elevation Certificate | [ ] Plans in color | [ ] |
| [ ] Energy calculations | [X] Narrative response | [ ] |

[ ] **Walk-Thru**

[X] **Drop-Off**

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE

To request this material in accessible persons with disabilities, and/or any accommodation to review any documer 305-604-2489 (voice), 305-673-7524 (fax), or 305-673-7218 (TTY) five (5) days in advance to initiate your request. TTY users may also call 711 (Florida Relay Service).

**City of Miami Beach Mission**
We are committed to providing excellent public service and safety to all who live, work and play in our vibrant, tropical, historic community.

**Excellence Miami Beach**

**Form Name** Plan Routing Request Sheet.

**Purpose** To route to several disciplines at once to reach final approval status.

**Form Submittal** Submit in person to the ***Drop-Off Section.***

**For Assistance** Please contact:

1. **In person**: Building Department 1700 Convention Center Drive, 2nd Floor, Drop-Off Section, Miami Beach, Florida 33139.
2. **Via Telephone**: 305-673-7610

   Ebony Dukes – Ext. 6434
   RaShonda Blatch – Ext. 6621
3. **Via E-mail:**

   EbonyDukes@miamibeachfl.gov
   RaShondaBlatch@miamibeachfl.gov
4. **Online:**
   www.miamibeachfl.gov
   http://www.miamibeachfl.gov/city-hall/building/

**Building Department Mission**

We are dedicated to serving the public by the efficient and effective supervision of construction, business, professional and personal activities to safeguard the public health, safety and general welfare of the City's residents and visitors by enforcing the Florida Building Code and the City Code of Ordinances.

MIAMI BEACH
REVIEWED FOR
CODE COMPLIANCE

GNC
LIVE WELL.

**Store Planning & Construction**
**300 Sixth Avenue Pittsburgh, PA 15222**
**Ph: (412) 338-8892 Fax: (412) 338-8878**

December 6, 2018

Building Department
1700 Convention Center Drive,
Miami Beach, FL 33139
P: (305) 673-7610

GNC #2841 Plan Review/Permit Corrections Report: BC1808816
1698 Alton Road, Unit #200, Miami Beach, FL 33139

To Whom It May Concern,

Please see the attached plans and comments below pertaining to the requested revisions. Revisions are clouded with a delta three on drawing set.

**Building Review:**

1. All documents submitted with DERM for Review and Approval.
2. Please reference this letter for the narrative to all the review responses and location of corrections to plan set.
3. Please see Sheet CS-1 Cover Sheet under the *Code Information* section. Fire Suppression & Protection Systems have been identified as a deferred submittal.
4. Please refer to separate Landlord Work Permit #BC1602075 as this is not part of our scope of work but the Landlord's.
5. Please refer to separate Landlord Work Permit #BC1602075 as this is not part of our scope of work but the Landlord's.
6. Please refer to separate Landlord Work Permit #BC1602075 as this is not part of our scope of work but the Landlord's.
7. Please see revised sheet CS-2 Schedules. We have added the note indicating the FBC Chapter 8 compliance for interior finishes. Also see revised sheet A-1 plans and Schedules, compliance note has been added and a table showing finish class based on FBC Table 803.11.
8. Please refer to separate Landlord Work Permit #BC1602075 as this is not part of our scope of work but the Landlord's.
9. Please refer to separate Landlord Work Permit #BC1602075 as this is not part of our scope of work but the Landlord's.
10. Please refer to separate Landlord Work Permit #BC1602075 as this is not part of our scope of work but the Landlord's.