

PATRIOT WINDOWS AND DOORS

GLAZING SYSTEMS FOR HARRIS LEVINE RESIDENCE 405 VISCAYA AVENUE, CORAL GABLES, FLORIDA 33134

DESIGN CRITERIA

2023 FLORIDA BUILDING CODE SEVENTH EDITION
WIND LOADS PER ASCE 7-22:

| | |
|------------------------------|---------|
| -BASIC WIND SPEED: | 175 MPH |
| -EXPOSURE CATEGORY: | C |
| -RISK CATEGORY: | II |
| -WIND DIRECTIONAL FACTOR KD: | .85 |
| -MEAN ROOF HEIGHT: | 29 FT |

GENERAL NOTES

- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS.
- EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL FINISHES OR STUCCO.
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/ALUMINUM, THAT COME IN CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2023 FLORIDA BUILDING CODE SECTION 2003.8.4
- ALL STEEL PLATES TO BE A36, ALL STEEL TUBING TO BE A500, GRADE B (Fy=46KSI).
- ALL WELDING TO BE PER THE AWS SPECIFICATIONS.
- ALL ALUMINUM TO BE 6061-T6, AS PER SPECIFICATION 2 OF THE ALUMINUM DESIGN MANUAL.
- WOOD BUCKS TO BE 1X OR 2X FULL DEPTH OF GLAZING FRAMES TO SUBSTRATE AS FOLLOWS: 1/4" TAPCON WITH 1-3/4" EMBED @ 12" O.C. INTO CONCRETE OR #14 SMS/TEKS @ 12" O.C. INTO METAL. PROVIDE CLUSTER OF [2] AT JAMB ENDS AND EACH SIDE OF MULLION, AND MUST ADHERE TO EDGE DISTANCE AND SPACING LIMITATIONS.
- DLGE WILL NOT PROVIDE A STATEMENT OF INSPECTION UNLESS CALLED PRIOR TO INSTALLATION.
- SHOP DRAWING COVER STRUCTURAL REQUIREMENTS ONLY.
- ALL WINDOW OPENINGS IDENTIFIED AS EGRESS SHALL BE UNOBSTRUCTED AND SHALL HAVE A MINIMUM NET CLEAR OPENING HEIGHT OF 24", A NET CLEAR OPENING WIDTH OF 20" AND A MINIMUM NET CLEAR OPENING AREA OF 5.7 S.F. (5.0 S.F. FOR GRADE LEVEL WINDOWS).
- ALL EGRESS WINDOWS SHALL HAVE A SILL HEIGHT NOT TO EXCEED 44" ABOVE FINISHED FLOOR.
- ALL WINDOWS SHALL NOT HAVE A SILL HEIGHT LESS THAN 36" ABOVE FINISHED FLOOR, UNLESS A CODE APPROVED PROTECTIVE BARRIER IS PROVIDED (BY OTHERS).
- IT IS THE EXCLUSIVE RESPONSIBILITY OF THE WINDOW COMPANY TO PROVIDE PRODUCTS THAT MEET OR EXCEED THE ENERGY VALUES MANDATED BY THE STATE OF FLORIDA. COMPLIANCE WITH ENERGY REQUIREMENTS IS BEYOND THE SCOPE OF THESE DRAWINGS.
- ALL SHIMS TO BE AS PER PRODUCT APPROVALS.
- G.C. TO PROVIDE OR REPLACE FIRE PROTECTION ON ALL STRUCTURAL MEMBERS, NEW AND EXISTING, AS NECESSARY, TO MEET FIRE RATING REQUIREMENTS BY APPLICABLE CODES

ONLY MARKED UNITS ARE PART OF THE SCOPE. FULL SCOPE MAY NOT COVER FULL ENVELOPE OF THE BUILDING / RESIDENCE. DLGE NOT RESPONSIBLE FOR THE FULL ENVELOPE OF THE BUILDING / RESIDENCE.

SCOPE LIMITED TO GLAZING PRODUCTS AND ANCHORAGE CHECK

GC IS RESPONSIBLE TO VERIFY THAT THE SUBSTRATES MEET THE REQUIREMENTS SPECIFIED IN PRODUCT APPROVALS AND DETAILS IN THIS DRAWINGS.

ABBREVIATIONS

| | AT | DWG. | DRAWING | MIN. | MINIMUM | N.I.C. | NOT IN CONTRACT | SMS | SHEET METAL SCREW | SYSTEM ABBREVIATIONS | |
|-------|------------------|---------|---------------------------|--------|---------------------------|---------|------------------|---------|------------------------|----------------------|--------------------------|
| ALUM. | ALUMINUM | EA. | EACH | MIR. | MIRROR | O.C. | ON CENTER | STL. | STEEL | CW | CURTAIN WALL |
| ATT. | ATTACHED | E.DIST. | EDGE DISTANCE | MTL. | METAL | O.D. | OUTSIDE DIAMETER | STRUCT. | STRUCTURE | ED | ENTRANCE DOOR |
| BLDG. | BUILDING | EMBED. | EMBEDMENT | N.I.C. | NOT IN CONTRACT | OPG. | OPENING | THK. | THICK | FX | FIXED WINDOW |
| BOT. | BOTTOM | EXIST. | EXISTING | HORIZ. | HORIZONTAL | P.T. | PRESSURE TREATED | TYP. | TYPICAL | HM | HOLLOW METAL DOOR |
| C.C. | CENTER TO CENTER | F.D. | FRAME DIMENSION | HSS | HOLLOW STRUCTURAL SECTION | PL. | PLATE | U.O.N. | UNLESS OTHERWISE NOTED | HR | HORIZONTAL ROLLER WINDOW |
| C.L. | CENTER LINE | H. | HEIGHT | M.O. | MASONRY OPENING | R. | RADIUS | V.I.F. | VERIFY IN FIELD | LV | LOUVER |
| CLG. | CEILING | HORIZ. | HORIZONTAL | MAT'L. | MATERIAL | R.O. | ROUGH OPENING | VERT. | VERTICAL | SF | STOREFRONT |
| COL. | COLUMN | HSS | HOLLOW STRUCTURAL SECTION | MAX. | MAXIMUM | REINF. | REINFORCEMENT | W. | WIDTH | SGD | SLIDING GLASS DOOR |
| CONC. | CONCRETE | M.O. | MASONRY OPENING | MFR. | MANUFACTURER | REINF'D | REINFORCED | WD. | WOOD | SH | SINGLE HUNG |
| CONT. | CONTINUOUS | MAT'L. | MATERIAL | MIN. | MINIMUM | REQ'D. | REQUIRED | | | SKL | SKYLIGHT |
| D. | DEPTH | MAX. | MAXIMUM | MIR. | MIRROR | SIM. | SIMILAR | | | WW | WINDOW WALL |
| DIA. | DIAMETER | MFR. | MANUFACTURER | MTL. | METAL | SL. | SLOPE | | | | |

SYMBOL LEGEND

| | | | | | | | | | | | |
|-------------|----------------------|---------------------|-----------------------|--------------|-------------|-------------------|------------|------------|---------------|----------------|---------------|
| | | | | | | | | | | | |
| NORTH ARROW | DETAIL NUMBER (TYP.) | SHEET NUMBER (TYP.) | OVERALL ELEVATION TAG | SECTION TAGS | DETAIL TAGS | SYSTEM DETAIL TAG | WINDOW TAG | COLUMN TAG | SYSTEM ID TAG | ELEVATION MARK | WIND LOAD TAG |

DIMENSIONS SHOWN ARE NOMINAL, GLAZING / STEEL FABRICATOR TO OBTAIN FIELD DIMENSIONS PRIOR TO FABRICATION

THE EXISTING STRUCTURE AND SUBSTRATE SHOULD BE VERIFIED, BY OTHERS, TO SUPPORT THE LOADS IMPOSED BY THE GLAZING SYSTEM

CONTRACTOR TO REPORT ANY DEVIATIONS BETWEEN FIELD CONDITIONS AND DETAILS SHOWN ON THESE DRAWINGS TO DLG ENGINEERING PRIOR TO INSTALLATION

GLAZING SYSTEMS

- A. FIXED WINDOW - LARGE MISSILE IMPACT
NOA# 23-0724.08
SERIES "5100 FIXED CASEMENT" ALUMINUM FIXED WINDOW - L.M.I.
MANUFACTURER: E.S. WINDOWS, LLC
FINISH: AAMA 2604 BRONZE
- GLAZED WITH: GLASS TYPE "C"
3/8" THICK OVERALL LAMINATED GLASS
OUTBOARD: 5/32" CLEAR HEAT-STRENGTHENED GLASS
INTERLAYER: 0.090" CLEAR INTERLAYER TROSIFOL PVB BY 'KURARAY AMERICA, INC.'
INBOARD: 1/8" CLEAR HEAT-STRENGTHENED GLASS
- B. CASEMENT WINDOW - LARGE MISSILE IMPACT
FL# 41000.1
SERIES "5000" ALUMINUM CASEMENT WINDOW - L.M.I.
MANUFACTURER: E.S. WINDOWS, INC
FINISH: AAMA 2604 BRONZE
- GLAZED WITH: GLASS TYPE "A"
5/16" THICK OVERALL LAMINATED GLASS
OUTBOARD: 1/8" CLEAR HEAT-STRENGTHENED GLASS
INTERLAYER: 0.090" CLEAR INTERLAYER TROSIFOL PVB BY 'KURARAY AMERICA, INC.'
INBOARD: 1/8" CLEAR HEAT-STRENGTHENED GLASS
- C. FIXED WINDOW - LARGE MISSILE IMPACT
NOA# 23-0714.17
SERIES "EL-150" ALUMINUM FIXED WINDOW - L.M.I.
MANUFACTURER: E.S. WINDOWS, LLC
FINISH: AAMA 2604 BRONZE
- GLAZED WITH: GLASS TYPE "B"
7/16" THICK OVERALL LAMINATED GLASS
OUTBOARD: 3/16" CLEAR HEAT-STRENGTHENED GLASS
INTERLAYER: 0.090" CLEAR INTERLAYER TROSIFOL PVB BY 'KURARAY AMERICA, INC.'
INBOARD: 3/16" CLEAR HEAT-STRENGTHENED GLASS

INDEX OF DRAWINGS

| SHEET | SHEET TITLE |
|---------|---------------------------------------|
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| 300 | SOUTH & EAST ELEVATION |
| 301 | NORTH ELEVATION |
| 400 | OPENING ELEVATIONS |
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Wimal
Suaris

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DN: cn=Wimal Suaris, o=DLG, ou=DLG
Engineering, c=US
Reason: I signed in the specified person's
name.
Date: 2024.08.16 16:25:00 -0700

REVISIONS

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WIMAL SUARIS, P.E.

PE# 37369
CA# 28476



GENERAL NOTES AND SITE LOCATION

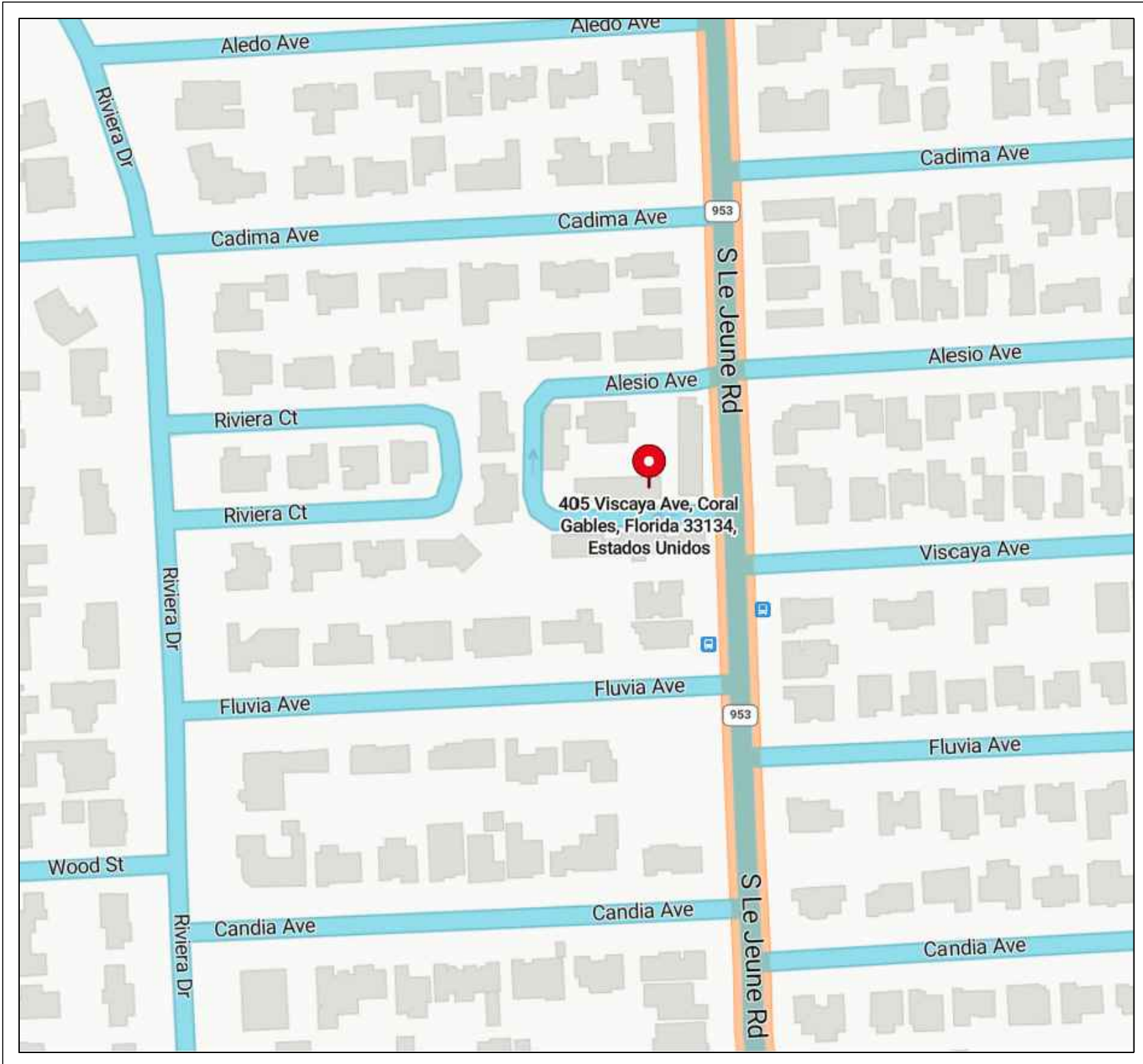
HARRIS LEVINE
RESIDENCE
405 VISCAYA AVENUE,
CORAL GABLES, FLORIDA 33134

PATRIOT WINDOWS
& DOORS
6175 NW 167TH STREET
MIAMI LAKES, FL 33015

| | |
|------------|------------|
| DATE | 03/19/2024 |
| SCALE | AS NOTED |
| DRAWN | AA |
| CHECKED BY | JRO |
| PROJECT | 24-143 |

DRAWING NO.
SD24-143

SHEET
000



SITE LOCATION

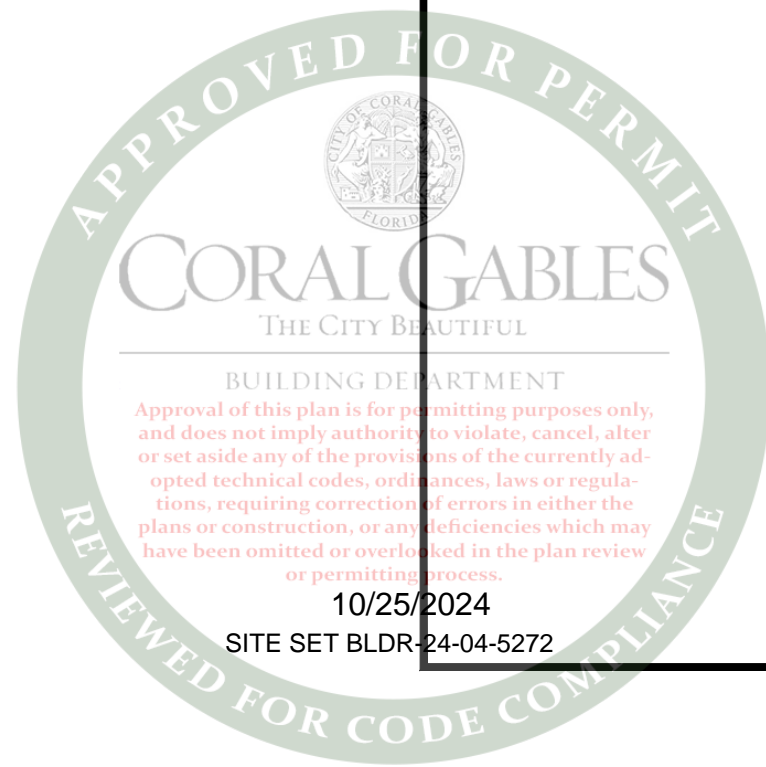
SCALE

N.T.S.

| WINDOW & DOOR SCHEDULE | | | | | | | | | | | |
|--|------|------------|-------------------------|-----------|----------------------------|--------|------------------------------|--------|---|------------------|--|
| MARK | QTY. | GLASS TYPE | O.A. FRAME SIZE (W X H) | WIND ZONE | DESIGN LOADS PER ASCE 7-22 | | ALLOWABLE LOADS PER APPROVAL | | PRODUCT DESCRIPTION | NOA No. / FL No. | REMARKS |
| | | | | | (+)PSF | (-)PSF | (+)PSF | (-)PSF | | | |
| 1 | 1 | C | 19.0" X 40.0" | 5 | 45.78 | 61.30 | 90.0 | 90.0 | SERIES "5100 FIXED CASEMENT" ALUMINUM FIXED WINDOW - L.M.I. | NOA# 23-0724.08 | O CONFIGURATION / FLANGE FRAME / MUNTIN DETAILS: GRID, (1) LITE ACROSS , (3) LITES DOWN, ES1014 INTERNAL AND EXTERNAL STYLE / FINISH: AAMA 2604 BRONZE |
| 2 | 1 | A | 37.0" X 40.0" | 4 | 45.78 | 49.66 | 85.0 | 85.0 | SERIES "5000" ALUMINUM CASEMENT WINDOW - L.M.I. | FL# 41000.1 | XR CONFIGURATION / FLANGE FRAME / MULTIPOINT LOCK / MUNTIN DETAILS: GRID, (2) LITES ACROSS , (3) LITES DOWN, ES1014 INTERNAL AND EXTERNAL STYLE / FINISH: AAMA 2604 BRONZE |
| 3 | 1 | C | 19.0" X 40.0" | 4 | 45.78 | 49.66 | 90.0 | 90.0 | SERIES "5100 FIXED CASEMENT" ALUMINUM FIXED WINDOW - L.M.I. | NOA# 23-0724.08 | O CONFIGURATION / FLANGE FRAME / MUNTIN DETAILS: GRID, (1) LITE ACROSS , (3) LITES DOWN, ES1014 INTERNAL AND EXTERNAL STYLE / FINISH: AAMA 2604 BRONZE |
| 4 | 2 | A | 35-1/2" X 50.0" | 4 | 45.78 | 49.66 | 85.0 | 85.0 | SERIES "5000" ALUMINUM CASEMENT WINDOW - L.M.I. | FL# 41000.1 | XR CONFIGURATION / FLANGE FRAME / MULTIPOINT LOCK / MUNTIN DETAILS: GRID, (2) LITES ACROSS , (3) LITES DOWN, ES1014 INTERNAL AND EXTERNAL STYLE / FINISH: AAMA 2604 BRONZE |
| 5 | 1 | A | 35-1/2" X 37-1/2" | 4 | 45.78 | 49.66 | 85.0 | 85.0 | SERIES "5000" ALUMINUM CASEMENT WINDOW - L.M.I. | FL# 41000.1 | XR CONFIGURATION / FLANGE FRAME / MULTIPOINT LOCK / MUNTIN DETAILS: GRID, (2) LITES ACROSS , (3) LITES DOWN, ES1014 INTERNAL AND EXTERNAL STYLE / FINISH: AAMA 2604 BRONZE |
| 6 | 2 | A | 52-1/2" X 49-1/2" | 5 | 45.78 | 61.30 | 85.0 | 85.0 | SERIES "5000" ALUMINUM CASEMENT WINDOW - L.M.I. | FL# 41000.1 | XX CONFIGURATION / FLANGE FRAME / MULTIPOINT LOCK / MUNTIN DETAILS: GRID, (1) LITES ACROSS , (4) LITES DOWN, ES1014 INTERNAL AND EXTERNAL STYLE / FINISH: AAMA 2604 BRONZE |
| 7 | 1 | A | 36-1/2" X 38.0" | 4 | 45.78 | 49.66 | 85.0 | 85.0 | SERIES "5000" ALUMINUM CASEMENT WINDOW - L.M.I. | FL# 41000.1 | XR CONFIGURATION / FLANGE FRAME / MULTIPOINT LOCK / MUNTIN DETAILS: GRID, (2) LITES ACROSS , (3) LITES DOWN, ES1014 INTERNAL AND EXTERNAL STYLE / FINISH: AAMA 2604 BRONZE |
| 8 | 1 | A | 37.0" X 50-5/8" | 4 | 45.78 | 49.66 | 85.0 | 85.0 | SERIES "5000" ALUMINUM CASEMENT WINDOW - L.M.I. | FL# 41000.1 | XL CONFIGURATION / FLANGE FRAME / MULTIPOINT LOCK / MUNTIN DETAILS: GRID, (2) LITES ACROSS , (3) LITES DOWN, ES1014 INTERNAL AND EXTERNAL STYLE / FINISH: AAMA 2604 BRONZE |
| 9 | 1 | B | 37.0" X 39.0" | 5 | 45.78 | 61.30 | 85.0 | 85.0 | SERIES "5000" ALUMINUM CASEMENT WINDOW - L.M.I. | FL# 41000.1 | XL CONFIGURATION / FLANGE FRAME / MULTIPOINT LOCK / MUNTIN DETAILS: GRID, (2) LITES ACROSS , (3) LITES DOWN, ES1014 INTERNAL AND EXTERNAL STYLE / FINISH: AAMA 2604 BRONZE |
| 10 | 2 | A | 35-1/2" X 51.0" | 4 | 45.78 | 49.66 | 85.0 | 85.0 | SERIES "5000" ALUMINUM CASEMENT WINDOW - L.M.I. | FL# 41000.1 | XR CONFIGURATION / FLANGE FRAME / MULTIPOINT LOCK / MUNTIN DETAILS: GRID, (2) LITES ACROSS , (3) LITES DOWN, ES1014 INTERNAL AND EXTERNAL STYLE / FINISH: AAMA 2604 BRONZE |
| 11 | 1 | B | 19.0" X 39.0" | 4 | 45.78 | 49.66 | 80.0 | 80.0 | SERIES "EL-150" ALUMINUM FIXED WINDOW - L.M.I. | NOA# 23-0714.17 | O CONFIGURATION / FLANGE FRAME / MUNTIN DETAILS: GRID, (1) LITE ACROSS , (3) LITES DOWN, ES1014 INTERNAL AND EXTERNAL STYLE / FINISH: AAMA 2604 BRONZE |
| 12R | 1 | A | 35-1/2" X 50.0" | 4 | 45.78 | 49.66 | 85.0 | 85.0 | SERIES "5000" ALUMINUM CASEMENT WINDOW - L.M.I. | FL# 41000.1 | XR CONFIGURATION / FLANGE FRAME / MULTIPOINT LOCK / MUNTIN DETAILS: GRID, (2) LITES ACROSS , (3) LITES DOWN, ES1014 INTERNAL AND EXTERNAL STYLE / FINISH: AAMA 2604 BRONZE |
| 12L | 1 | A | 35-1/2" X 50.0" | 4 | 45.78 | 49.66 | 85.0 | 85.0 | SERIES "5000" ALUMINUM CASEMENT WINDOW - L.M.I. | FL# 41000.1 | XL CONFIGURATION / FLANGE FRAME / MULTIPOINT LOCK / MUNTIN DETAILS: GRID, (2) LITES ACROSS , (3) LITES DOWN, ES1014 INTERNAL AND EXTERNAL STYLE / FINISH: AAMA 2604 BRONZE |
| NOTE: ANCHORAGE PATTERN AND SPECIFICATIONS AS PER MARKED UP PRODUCT APPROVALS INCLUDED IN PERMIT SUBMITTAL | | | | | | | | | | | |

| | |
|-----|------------------------|
| 1 | WINDOW & DOOR SCHEDULE |
| 100 | SCALE |

N.T.S.



Wimal Suaris

Digitally signed by Wimal Suaris
DN: cn=Wimal Suaris, email=W.Suaris@dlgeng.com, o=DLG Engineering, c=US
Reason: I agree with the specified content
Date: 2024.09.05 16:25:19 -0400

DLG ENGINEERING, INC.

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REVISIONS

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WIMAL SUARIS, P.E.

PE# 37369
CA# 28476

WIMAL SUARIS
P.E.
MECHANICAL ENGINEERING
STATE OF FLORIDA
LICENSE NO. 37369

WINDOW & DOOR SCHEDULE

CLIENT:

PATRIOT WINDOWS & DOORS
6175 NW 167TH STREET
MIAMI LAKES, FL 33015

PROJECT:

HARRIS LEVINE RESIDENCE
405 VISCAYA AVENUE,
CORAL GABLES, FLORIDA 33134

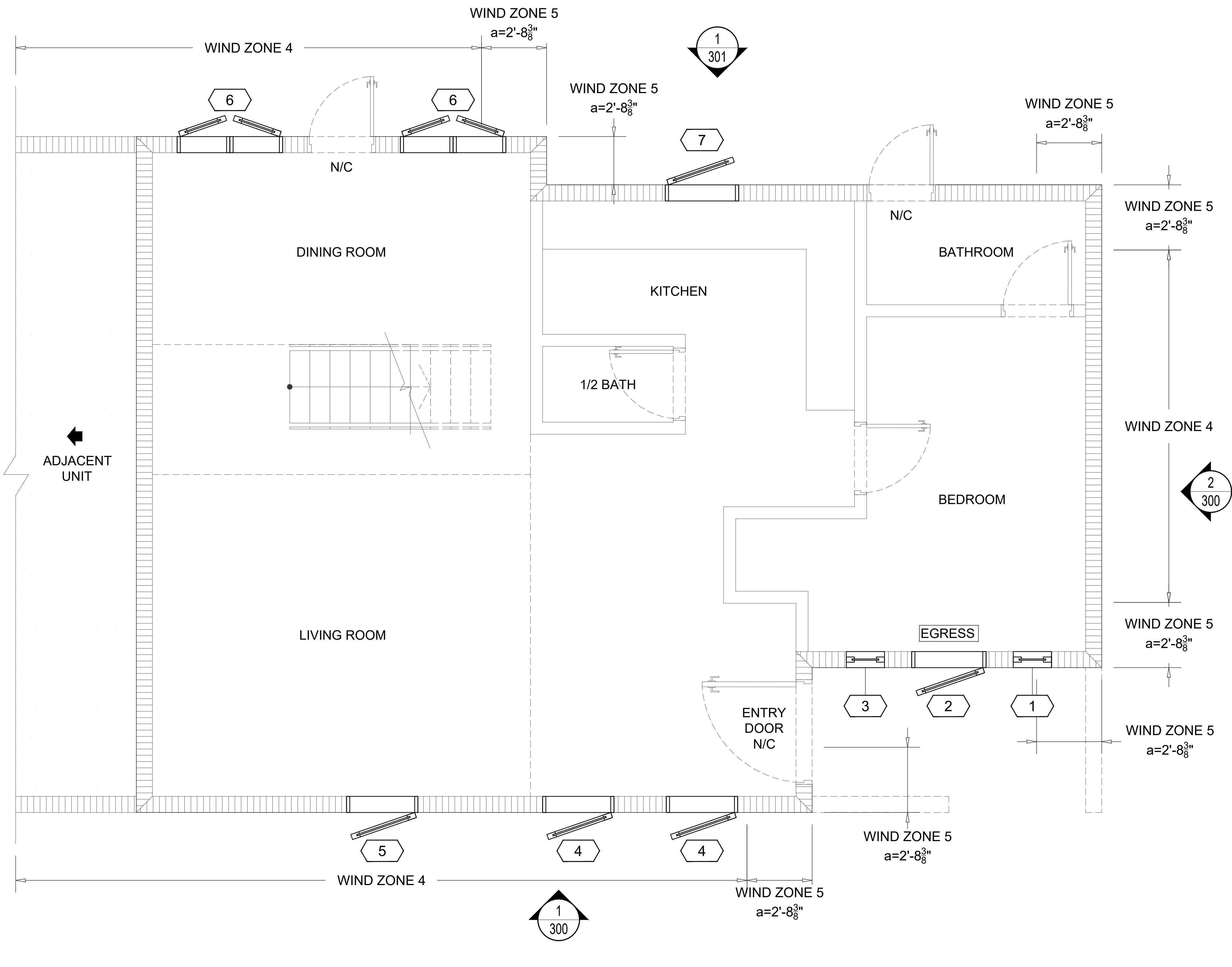
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| DATE | 03/19/2024 |
| SCALE | AS NOTED |
| DRAWN | AA |
| CHECKED BY | JRO |
| PROJECT | 24-143 |

DRAWING NO.

SD24-143

SHEET

100



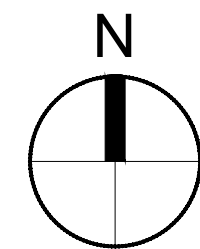
GENERAL NOTES:

- ONLY MARKED OPENINGS ARE PART OF THIS PERMIT.
- THE MAIN WIND FORCE RESISTING SYSTEMS OF THE STRUCTURE (i.e. BEAMS, COLUMNS, FRAMING, ETC) IS NOT TO BE ALTERED. ANY ALTERATIONS TO THOSE SYSTEMS SHALL BE DESIGNED OR CHECKED BY OTHERS TO WITHSTAND ANY STRUCTURAL LOADS, NO CALCULATIONS HAVE BEEN PERFORMED TO VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE.

1 FIRST FLOOR PLAN (AS REFERENCE ONLY)

200 SCALE

7/16"=1'-0"



Wimal Suaris
Digital signed by Wimal Suaris
DN: cn=Wimal Suaris, o=DLG Engineering, Inc., email=wimal@dlgengineering.com, c=US
Reason for signing: I am the author of the document
Date: 2024.08.19 20:11:00Z

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| REVISIONS |
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PE# 37369
CA# 28476

FIRST FLOOR PLAN (AS REFERENCE ONLY)

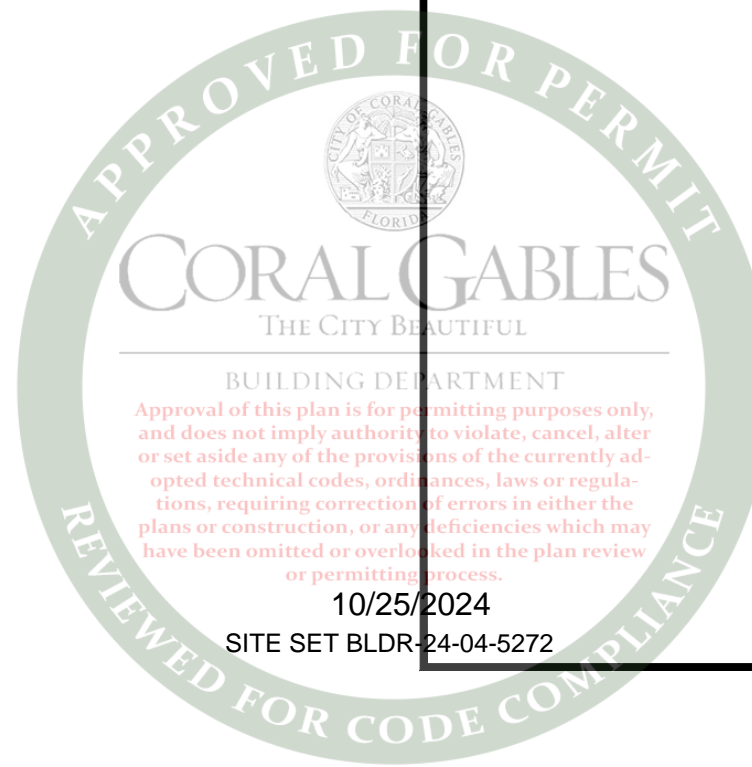
CLIENT: PATRIOT WINDOWS & DOORS
6175 NW 167TH STREET
MIAMI LAKES, FL 33015

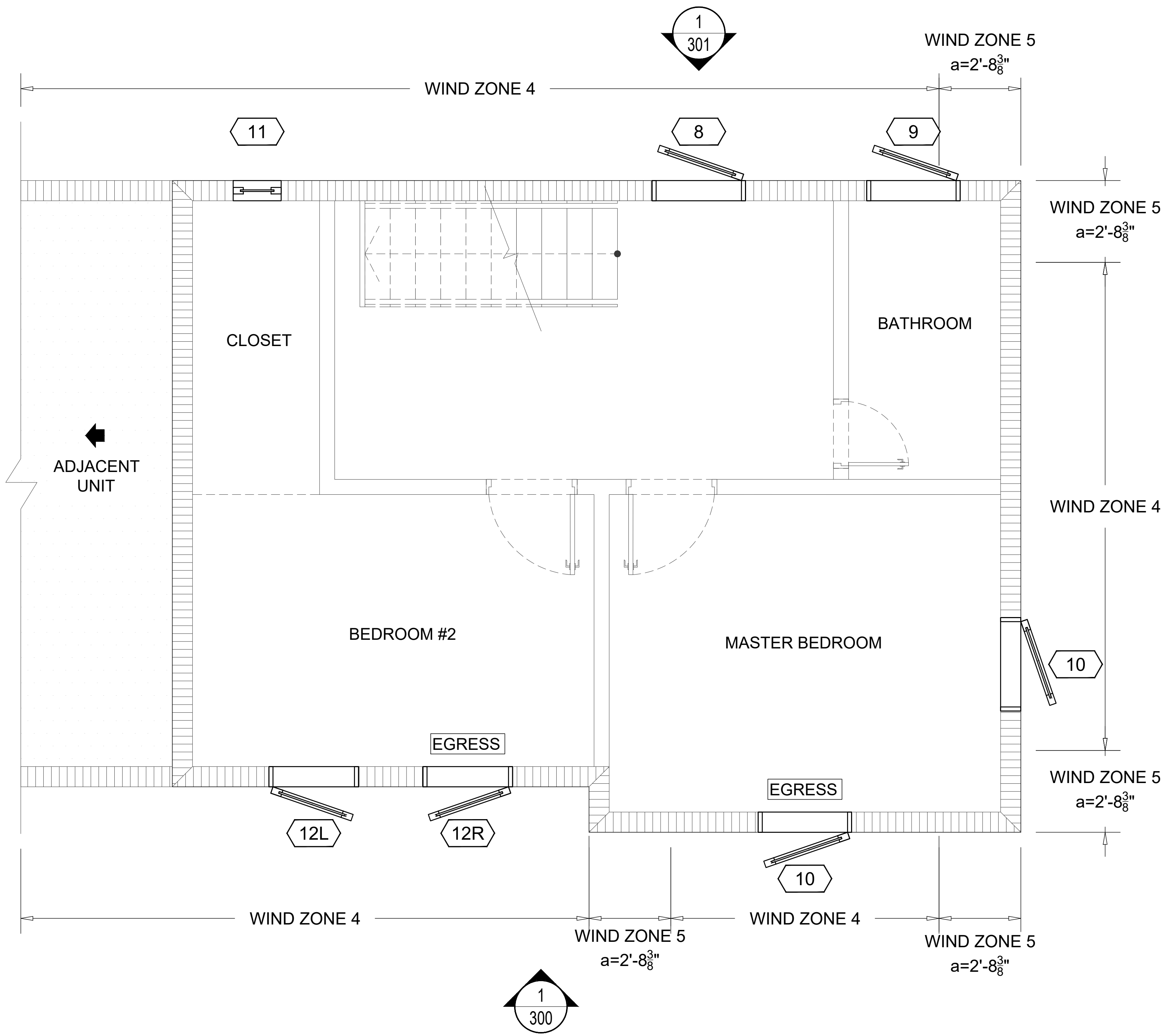
PROJECT: HARRIS LEVINE RESIDENCE
405 VISCAYA AVENUE,
CORAL GABLES, FLORIDA 33134

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|------------|-------------|
| DATE | 03/19/2024 |
| SCALE | 7/16"=1'-0" |
| DRAWN | AA |
| CHECKED BY | JRO |
| PROJECT | 24-143 |

DRAWING NO.
SD24-143

SHEET
200





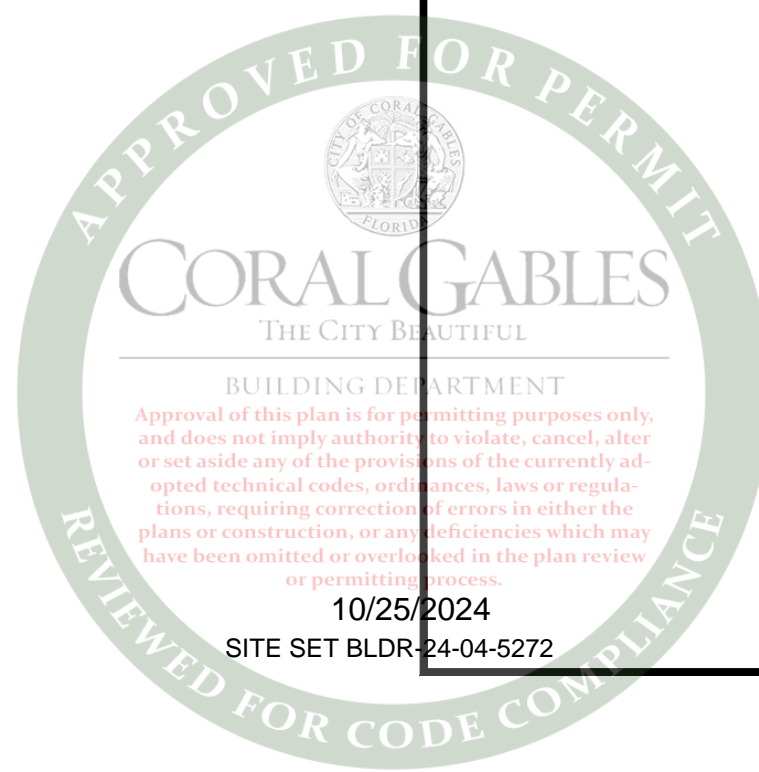
GENERAL NOTES:

- ONLY MARKED OPENINGS ARE PART OF THIS PERMIT.
- THE MAIN WIND FORCE RESISTING SYSTEMS OF THE STRUCTURE (i.e. BEAMS, COLUMNS, FRAMING, ETC) IS NOT TO BE ALTERED. ANY ALTERATIONS TO THOSE SYSTEMS SHALL BE DESIGNED OR CHECKED BY OTHERS TO WITHSTAND ANY STRUCTURAL LOADS, NO CALCULATIONS HAVE BEEN PERFORMED TO VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE.

1 SECOND FLOOR PLAN (AS REFERENCE ONLY)

201 SCALE

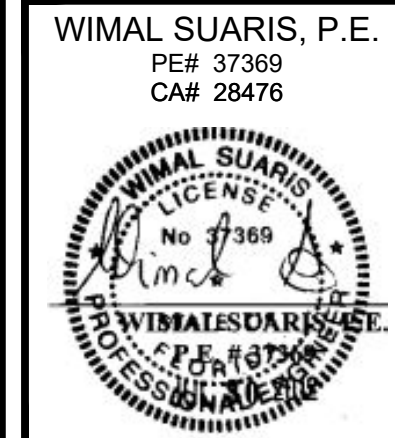
7/16"=1'0"



Wimal Suaris
Digitally signed by Wimal Suaris
DN: cn=Wimal Suaris, o=DLG Engineering, Inc., email=W.Suaris@dlgengineering.com, serial=1, c=US
Date: 2024.08.08 16:28:05 -0400

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REVISIONS



SECOND FLOOR PLAN (AS REFERENCE ONLY)

CLIENT: PATRIOT WINDOWS & DOORS
6175 NW 167TH STREET
MIAMI LAKES, FL 33015
PROJECT: HARRIS LEVINE RESIDENCE
405 VISCAYA AVENUE,
CORAL GABLES, FLORIDA 33134

| | |
|------------|-------------|
| DATE | 03/19/2024 |
| SCALE | 7/16"=1'-0" |
| DRAWN | AA |
| CHECKED BY | JRO |
| PROJECT | 24-143 |

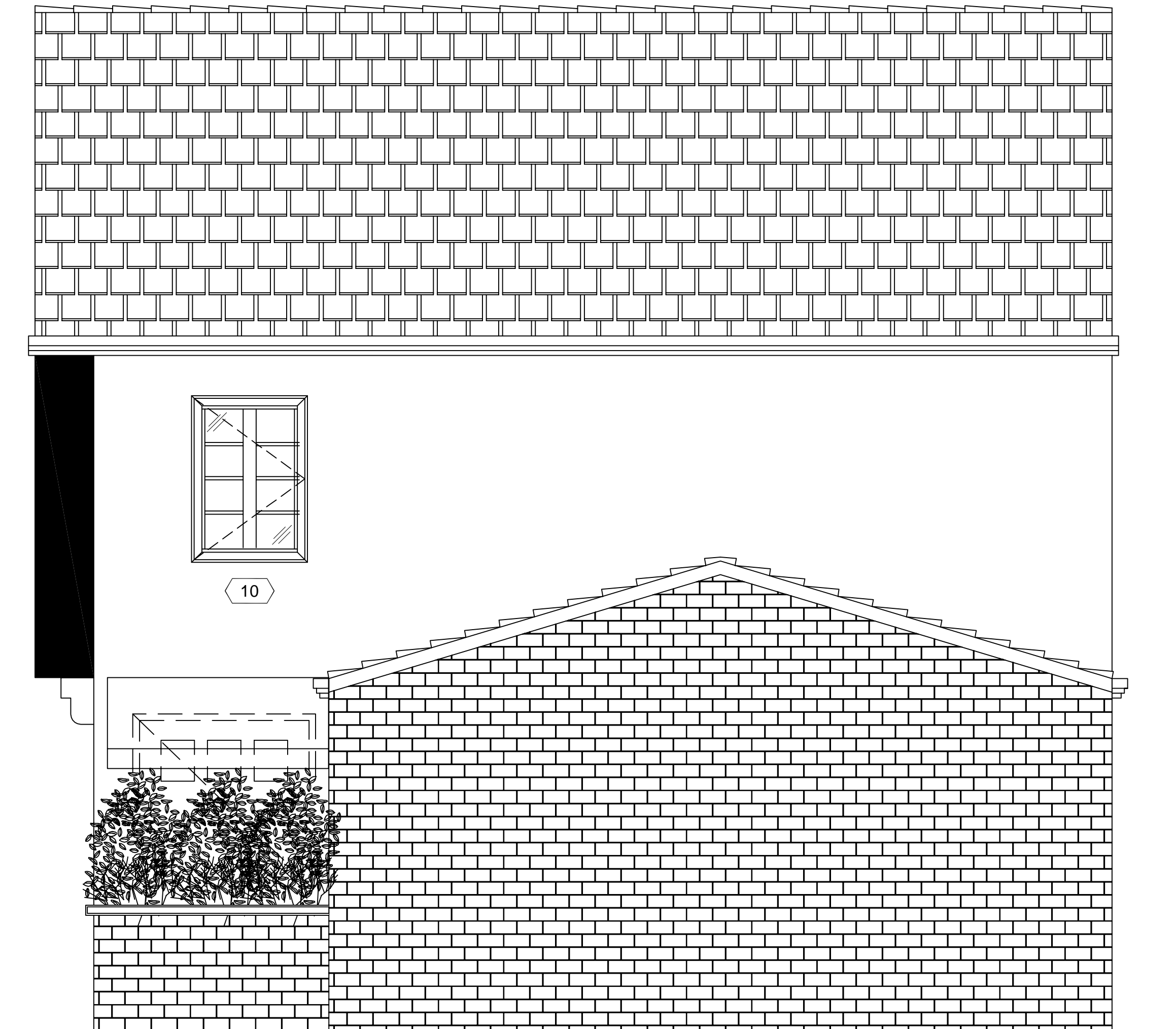
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SD24-143

SHEET
201



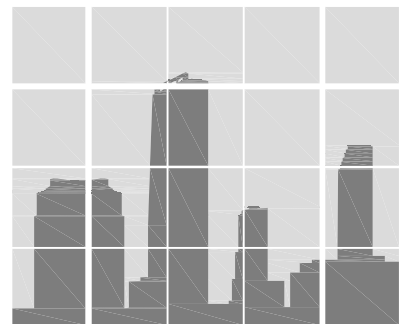
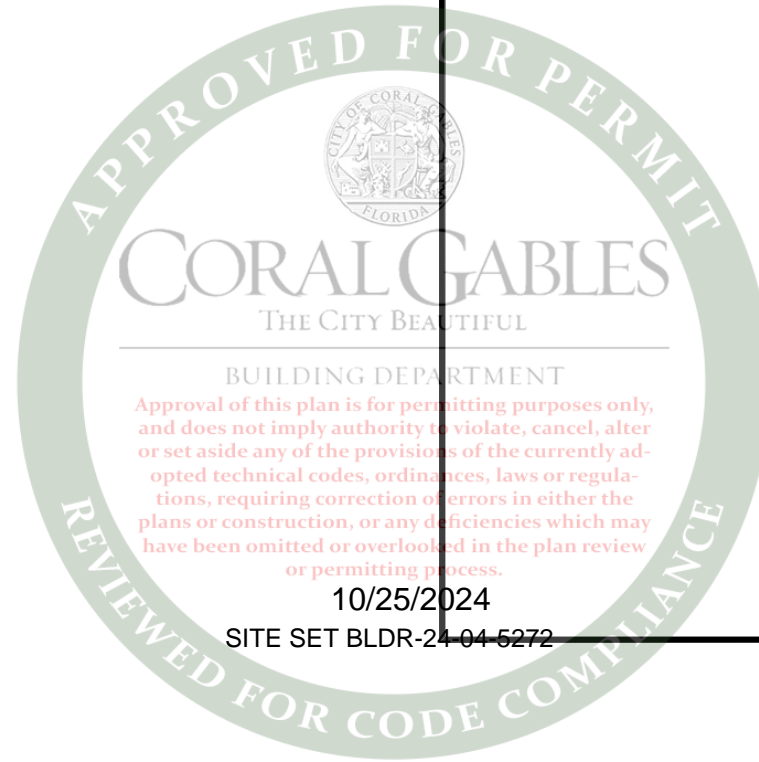
1 SOUTH ELEVATION
300 SCALE

13/32"=1'-0"



2 EAST ELEVATION
300 SCALE

13/32"=1'-0"



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BUILDING ENVELOPE CONSULTANTS
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F: 305 665-4672 | mailing@dlgengineering.com

| REVISIONS | |
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WIMAL SUARIS, P.E.
PE# 37369
CA# 28476

WIMAL SUARIS, P.E.
No. 37369
STATE OF FLORIDA
Professional Engineer Seal

| SOUTH & EAST ELEVATION | |
|------------------------|--|
| CLIENT: | PATRIOT WINDOWS & DOORS 6175 NW 167TH STREET MIAMI LAKES, FL 33015 |
| PROJECT: | HARRIS LEVINE RESIDENCE 405 VISCAYA AVENUE, CORAL GABLES, FLORIDA 33134 |

| | |
|------------|--------------|
| DATE | 03/19/2024 |
| SCALE | 13/32"=1'-0" |
| DRAWN | AA |
| CHECKED BY | JRO |
| PROJECT | 24-143 |

DRAWING NO.
SD24-143

SHEET
300



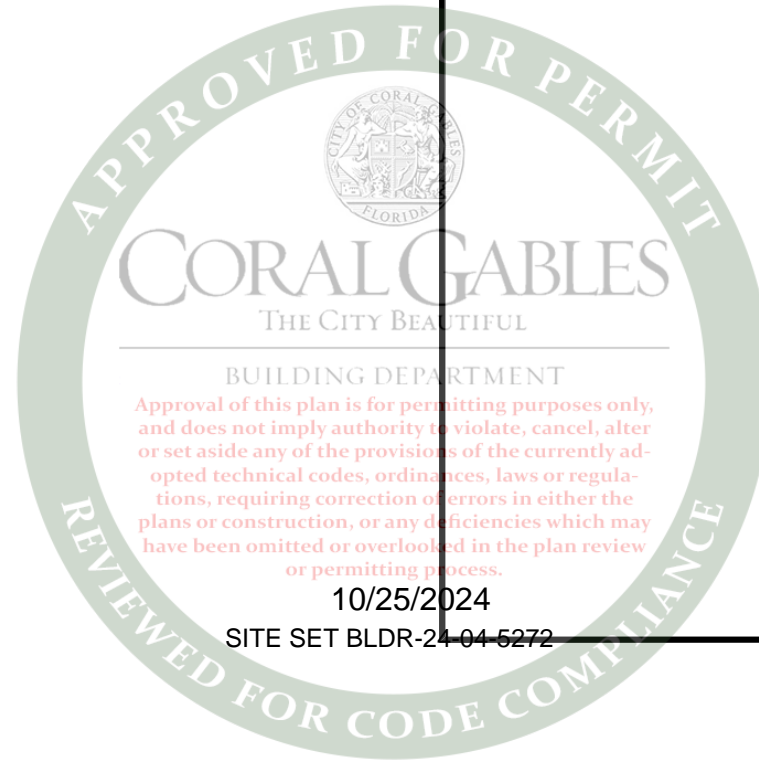
1 NORTH ELEVATION
301 SCALE

13/32"=1'-0"

ACTUAL DOUBLE
CASEMENT FRAME



PROPOSED SURFACE APPLIED MUNTIN
(APPARENT COLOR DIFFERENCE DUE
TO DIFFERENT LIGHTING CONDITIONS)



DLG ENGINEERING, INC.
BUILDING ENVELOPE CONSULTANTS
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F: 305 665-4672 | mailing@dlgengineering.com

| REVISIONS | |
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WIMAL SUARIS, P.E.
PE# 37369
CA# 28476

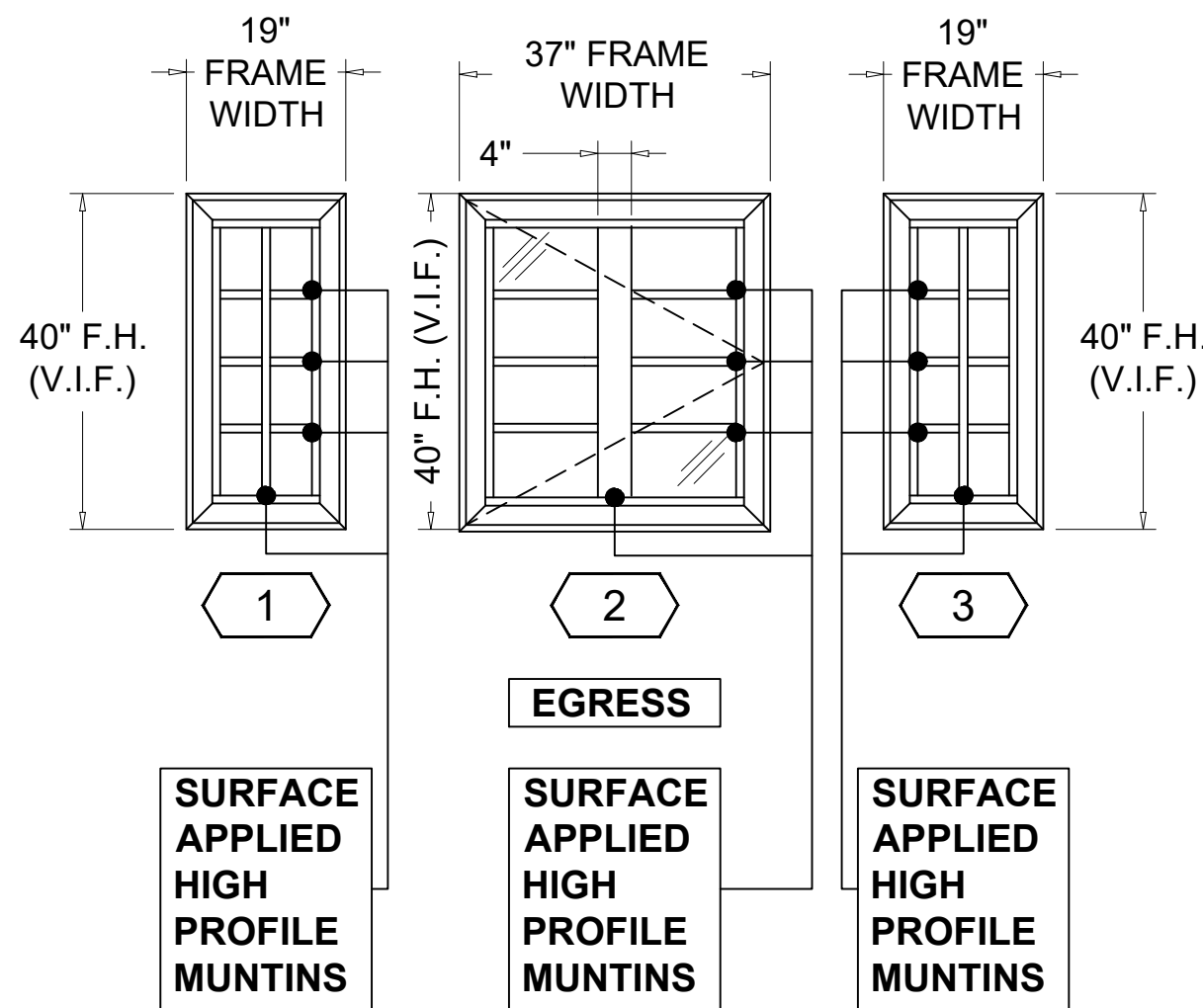
CLIENT:
PATRIOT WINDOWS & DOORS
6175 NW 167TH STREET
MIAMI LAKES, FL 33015

PROJECT:
HARRIS LEVINE RESIDENCE
405 VISCAYA AVENUE,
CORAL GABLES, FLORIDA 33134

| | |
|------------|--------------|
| DATE | 03/19/2024 |
| SCALE | 13/32"=1'-0" |
| DRAWN | AA |
| CHECKED BY | JRO |
| PROJECT | 24-143 |

DRAWING NO.
SD24-143

SCALE SHEET
301



QTY ('1')=1
NOA# 23-0724.08
SERIES "5100 FIXED CASEMENT"
ALUMINUM FIXED WINDOW - L.M.I.
LAMINATED GLASS "C"
WIND ZONE 5

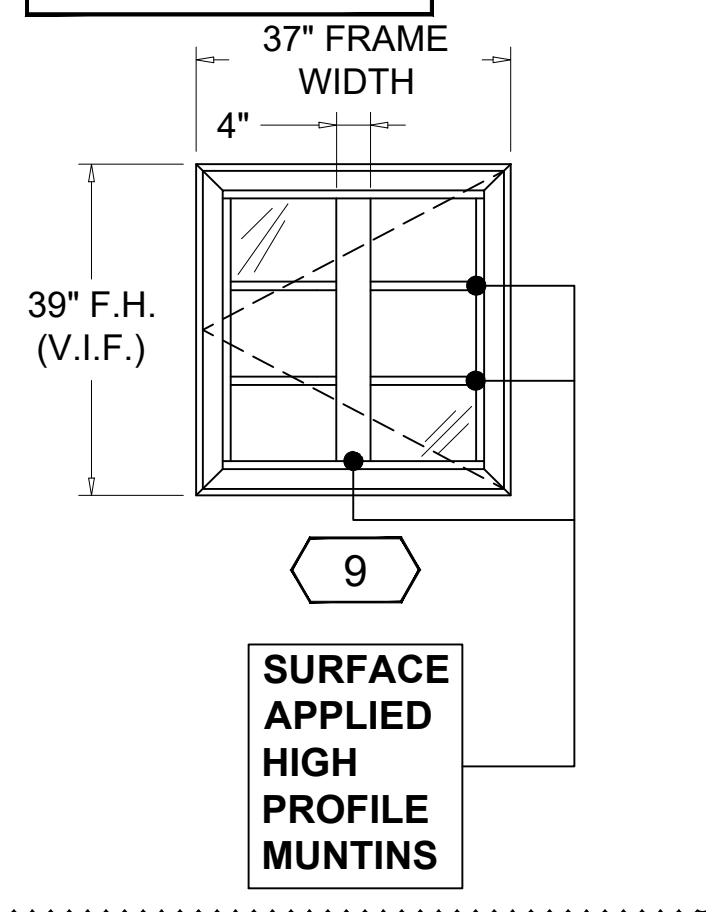
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- 61.30 PSF

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CASEMENT WINDOW - L.M.I.
LAMINATED GLASS "A"
WIND ZONE 4

LOAD= + 45.78 PSF
- 49.66 PSF

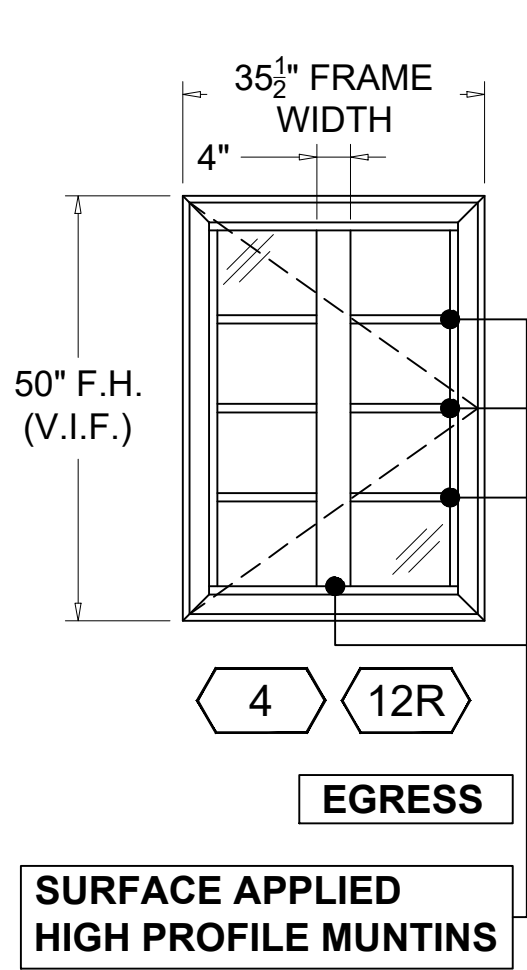
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ALUMINUM FIXED WINDOW - L.M.I.
LAMINATED GLASS "C"
WIND ZONE 4

LOAD= + 45.78 PSF
- 49.66 PSF



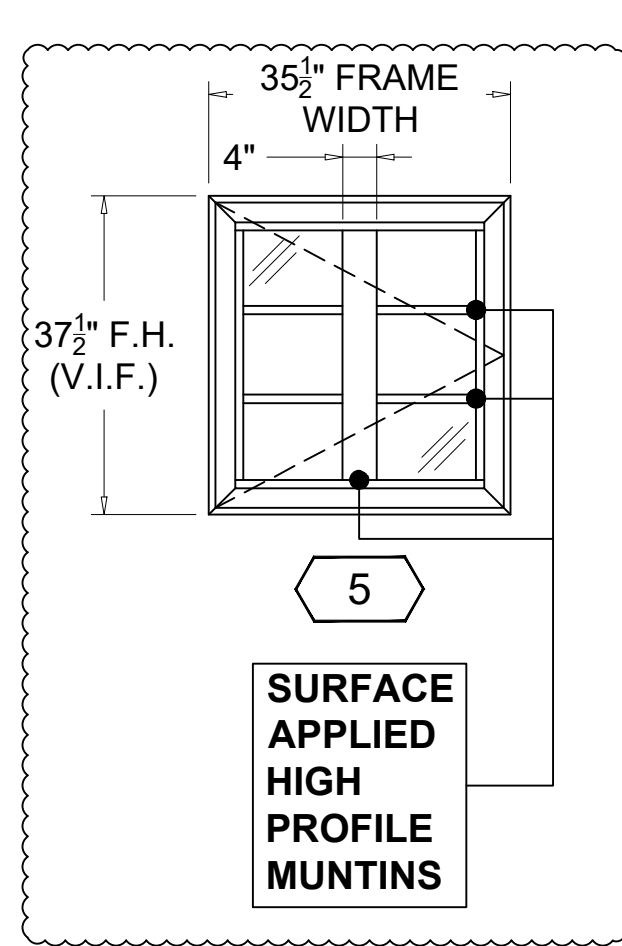
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CASEMENT WINDOW - L.M.I.
LAMINATED GLASS "A"
WIND ZONE 5

LOAD= + 45.78 PSF
- 61.30 PSF



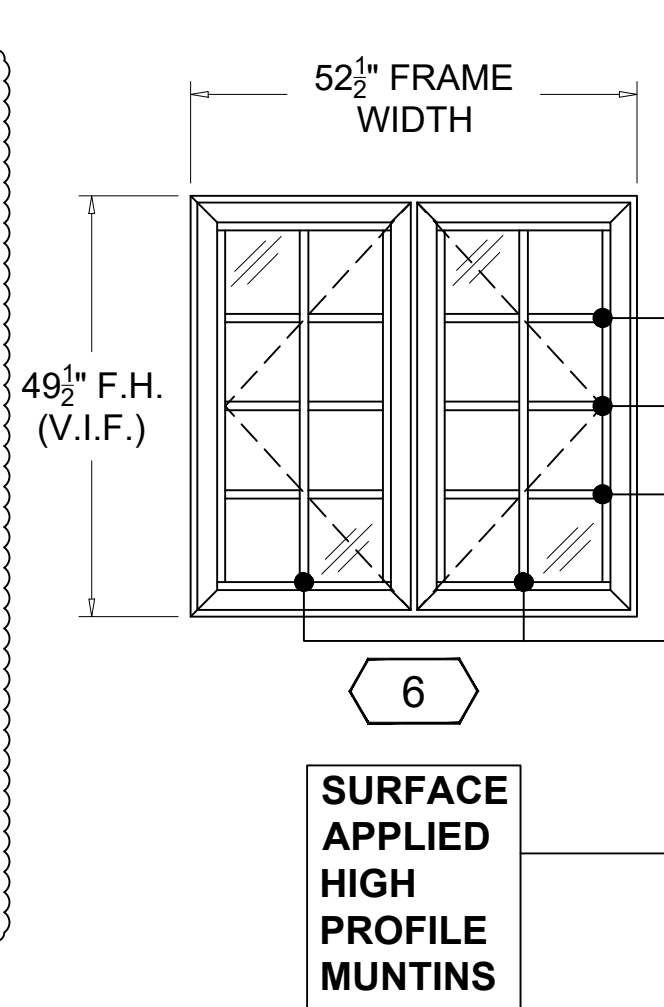
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SERIES "5000" ALUMINUM
CASEMENT WINDOW - L.M.I.
LAMINATED GLASS "A"
WIND ZONE 4

LOAD= + 45.78 PSF
- 49.66 PSF



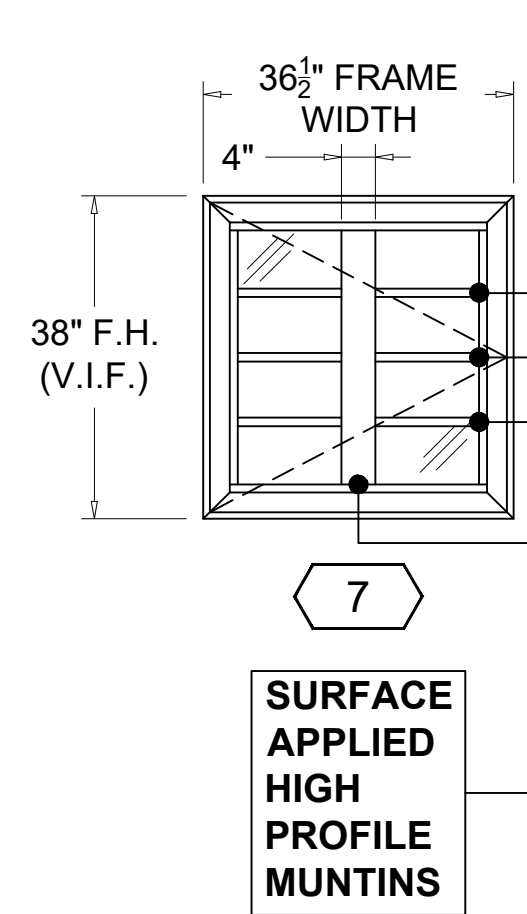
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CASEMENT WINDOW - L.M.I.
LAMINATED GLASS "A"
WIND ZONE 4

LOAD= + 45.78 PSF
- 49.66 PSF



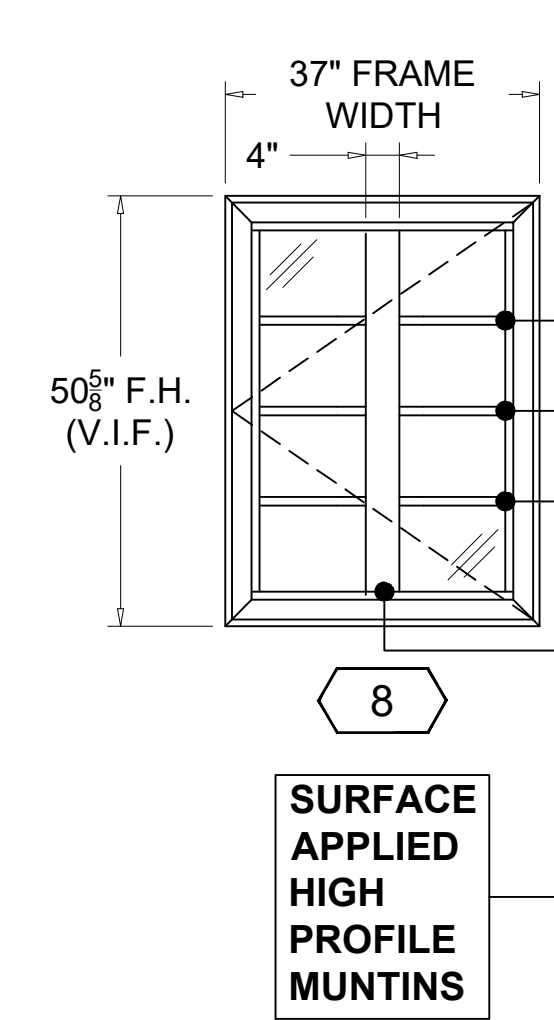
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CASEMENT WINDOW - L.M.I.
LAMINATED GLASS "A"
WIND ZONE 5

LOAD= + 45.78 PSF
- 61.30 PSF



QTY ('7')=1
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SERIES "5000" ALUMINUM
CASEMENT WINDOW - L.M.I.
LAMINATED GLASS "A"
WIND ZONE 4

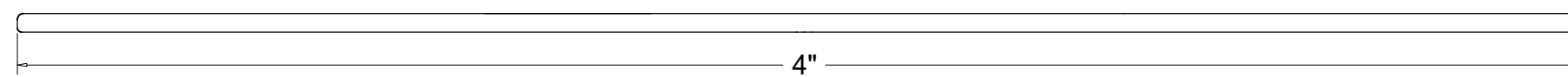
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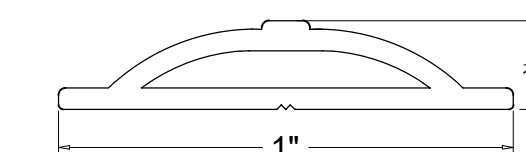
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CASEMENT WINDOW - L.M.I.
LAMINATED GLASS "A"
WIND ZONE 4

LOAD= + 45.78 PSF
- 49.66 PSF

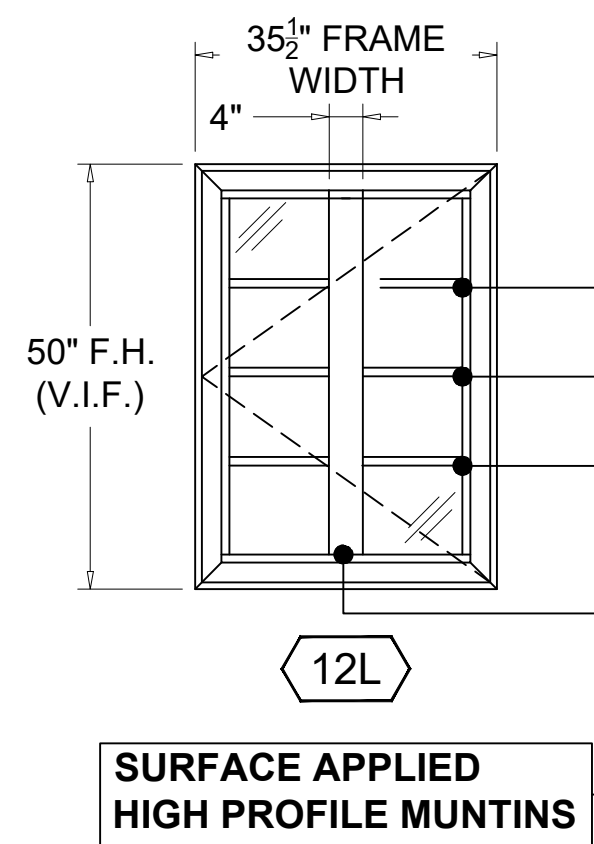
NOTE:
REFER TO PICTURE ON SHEET 301 4" THICK MUNTIN



ES-1015 / OG MUNTIN

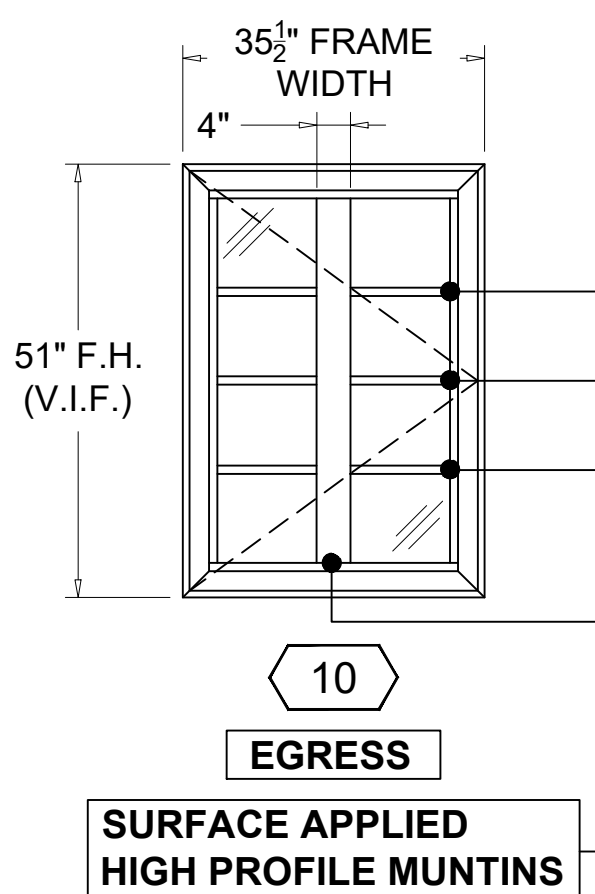


2 MUNTIN DETAIL
400 SCALE 2'-6"=1'-0"



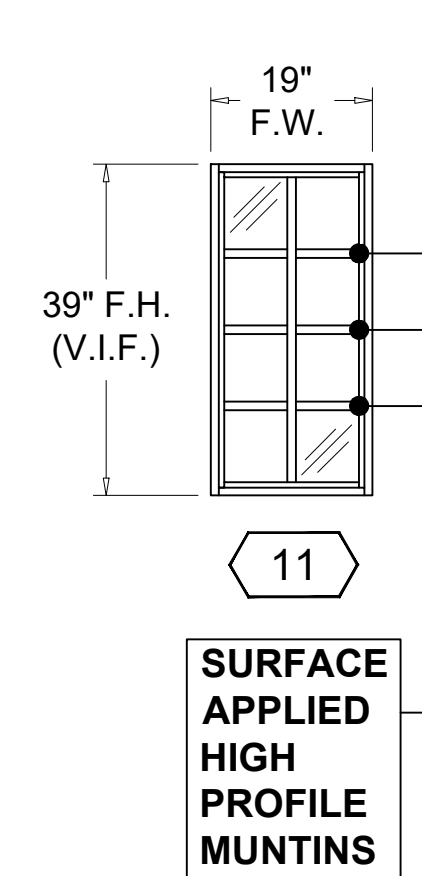
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SERIES "5000" ALUMINUM
CASEMENT WINDOW - L.M.I.
LAMINATED GLASS "A"
WIND ZONE 4

LOAD= + 45.78 PSF
- 49.66 PSF



QTY ('10')=2 / EGRESS
FL# 41000.1
SERIES "5000" ALUMINUM
CASEMENT WINDOW - L.M.I.
LAMINATED GLASS "A"
WIND ZONE 4

LOAD= + 45.78 PSF
- 49.66 PSF



QTY ('11')=1
NOA# 23-0714.17
SERIES "EL-150" ALUMINUM
FIXED WINDOW - L.M.I.
LAMINATED GLASS "B"
WIND ZONE 4

LOAD= + 45.78 PSF
- 49.66 PSF

NOTE:
FRAME COLOR: AAMA 2604 BRONZE
GLASS COLOR: CLEAR / NO TINT /
NO REFLECTIVITY

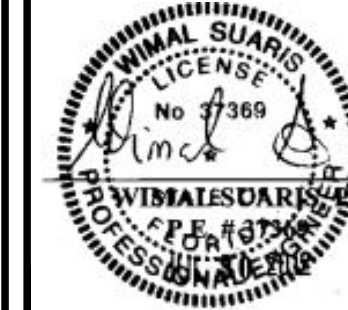
1 OPENING ELEVATIONS
400 SCALE

Wimal Suaris
Digitally signed by Wimal Suaris,
DN: cn=Wimal Suaris, o=DLG Engineering, Inc.,
email=wimal@dlgengineering.com,
c=US. Reason: I have signed in the specified context
date: 2024.06.10 10:04:32 -0400

DLG ENGINEERING, INC.
BUILDING ENVELOPE CONSULTANTS
5825 Sunset Drive - Suite 300 | South Miami, Florida 33143
P: 305 665-9089 www.dlgengineering.com
F: 305 665-4672 mailing@dlgengineering.com

REVISIONS

WIMAL SUARIS, P.E.
PE# 37369
CA# 28476



OPENING ELEVATIONS

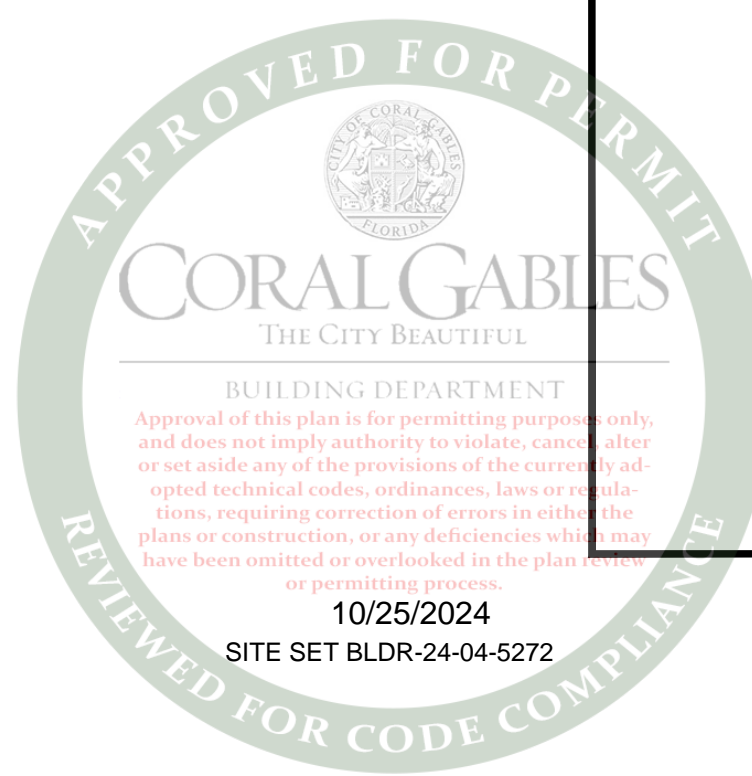
HARRIS LEVINE
RESIDENCE
405 VISCAYA AVENUE,
CORAL GABLES, FLORIDA 33134

PATRIOT WINDOWS
& DOORS
6175 NW 167TH STREET
MIAMI LAKES, FL 33015

DATE 03/19/2024
SCALE 9/16"=1'-0"
DRAWN AA
CHECKED BY JRO
PROJECT 24-143

DRAWING NO.
SD24-143

SHEET
400





1 SOUTH
500 SCALE

N.T.S.



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5825 Sunset Drive - Suite 300 | South Miami, Florida 33143
P: 305 665-9089 www.dlgengineering.com
F: 305 665-4672 mailing@dlgengineering.com

| REVISIONS | |
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WIMAL SUARIS, P.E.
PE# 37389
CA# 28476

WIMAL SUARIS, P.E.
MECHANICAL ENGINEERING
STATE OF FLORIDA

| | |
|-------------|--|
| PHOTOGRAPHS | PROJECT |
| | HARRIS LEVINE RESIDENCE 405 VISCAYA AVENUE, CORAL GABLES, FLORIDA 33134 |
| CLIENT | PATRIOT WINDOWS & DOORS 6175 NW 167TH STREET MIAMI LAKES, FL 33015 |

| | |
|------------|------------|
| DATE | 03/19/2024 |
| SCALE | N.T.S. |
| DRAWN | AA |
| CHECKED BY | JRO |
| PROJECT | 24-143 |

DRAWING NO.
SD24-143

SHEET
500



1 NORTH
501 SCALE


N.T.S.



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BUILDING ENVELOPE CONSULTANTS
5825 Sunset Drive - Suite 300 | South Miami, Florida 33143
P: 305 665-9089 www.dlgengineering.com
F: 305 665-4672 mailing@dlgengineering.com

| REVISIONS | |
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WIMAL SUARIS, P.E.
PE# 37389
CA# 28476

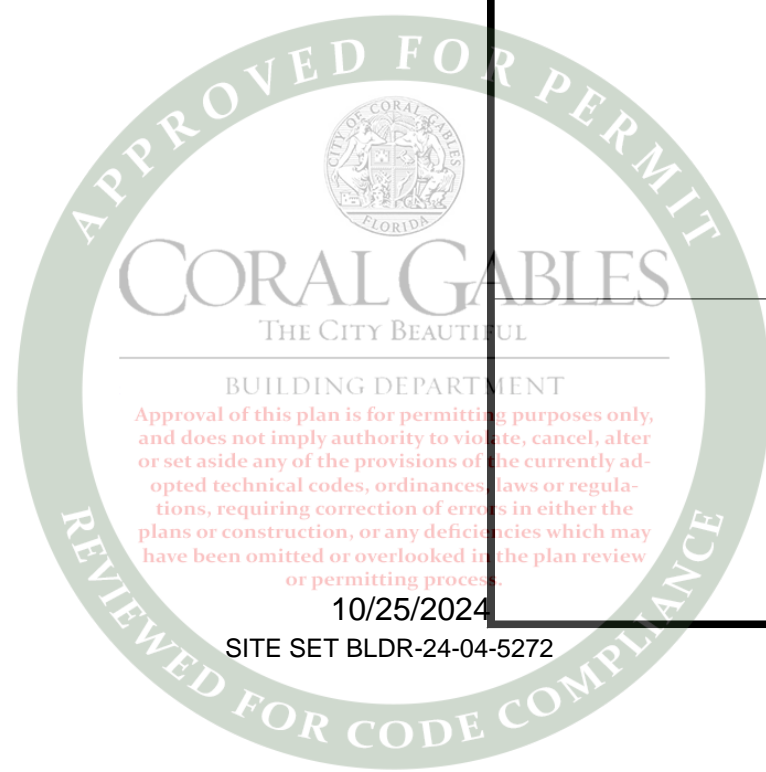


| | |
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| PHOTOGRAPHS | PROJECT |
| | HARRIS LEVINE RESIDENCE 405 VISCAYA AVENUE, CORAL GABLES, FLORIDA 33134 |
| CLIENT: | PROJECT |
| | PATRIOT WINDOWS & DOORS 6175 NW 167TH STREET MIAMI LAKES, FL 33015 |

| | |
|------------|------------|
| DATE | 03/19/2024 |
| SCALE | N.T.S. |
| DRAWN | AA |
| CHECKED BY | JRO |
| PROJECT | 24-143 |

DRAWING NO.
SD24-143

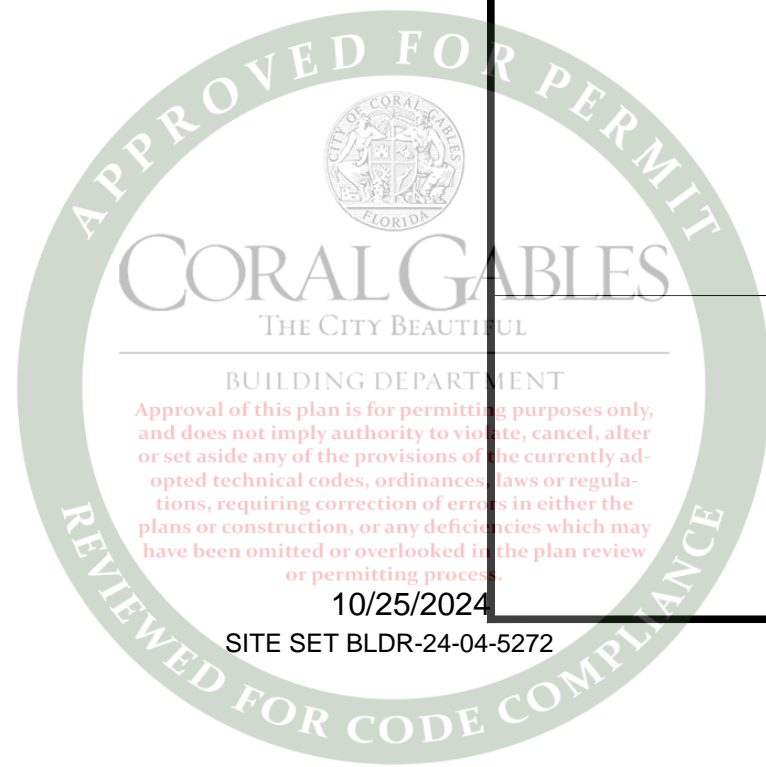
SHEET
501





1 NORTH
502 SCALE

N.T.S.



DLG ENGINEERING, INC.
BUILDING ENVELOPE CONSULTANTS
5825 Sunset Drive - Suite 300 | South Miami, Florida 33143
P: 305 665-9089 www.dlgengineering.com
F: 305 665-4672 mailing@dlgengineering.com

| REVISIONS | |
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WIMAL SUARIS, P.E.
PE# 37369
CA# 28476

WIMAL SUARIS, P.E.
MECHANICAL
STATE OF FLORIDA
LICENSE NO. 37369
CA# 28476

| | |
|-------------|--|
| PHOTOGRAPHS | PROJECT |
| | HARRIS LEVINE RESIDENCE 405 VISCAYA AVENUE, CORAL GABLES, FLORIDA 33134 |
| CLIENT | PATRIOT WINDOWS & DOORS 6175 NW 167TH STREET MIAMI LAKES, FL 33015 |

| | |
|------------|------------|
| DATE | 03/19/2024 |
| SCALE | N.T.S. |
| DRAWN | AA |
| CHECKED BY | JRO |
| PROJECT | 24-143 |

DRAWING NO.
SD24-143

SHEET
502

PATRIOT WINDOWS AND DOORS

GLAZING SYSTEMS FOR HARRIS LEVINE RESIDENCE 405 VISCAYA AVENUE, CORAL GABLES, FLORIDA 33134

DESIGN CRITERIA

2023 FLORIDA BUILDING CODE SEVENTH EDITION
WIND LOADS PER ASCE 7-22:

| | |
|------------------------------|---------|
| -BASIC WIND SPEED: | 175 MPH |
| -EXPOSURE CATEGORY: | C |
| -RISK CATEGORY: | II |
| -WIND DIRECTIONAL FACTOR KD: | .85 |
| -MEAN ROOF HEIGHT: | 29 FT |

GENERAL NOTES

- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS.
- EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL FINISHES OR STUCCO.
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/ALUMINUM, THAT COME IN CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2023 FLORIDA BUILDING CODE SECTION 2003.8.4
- ALL STEEL PLATES TO BE A36, ALL STEEL TUBING TO BE A500, GRADE B (Fy=46KSI).
- ALL WELDING TO BE PER THE AWS SPECIFICATIONS.
- ALL ALUMINUM TO BE 6061-T6, AS PER SPECIFICATION 2 OF THE ALUMINUM DESIGN MANUAL.
- WOOD BUCKS TO BE 1X OR 2X FULL DEPTH OF GLAZING FRAMES TO SUBSTRATE AS FOLLOWS: 1/4" TAPCON WITH 1-3/4" EMBED @ 12" O.C. INTO CONCRETE OR #14 SMS/TEKS @ 12" O.C. INTO METAL. PROVIDE CLUSTER OF [2] AT JAMB ENDS AND EACH SIDE OF MULLION, AND MUST ADHERE TO EDGE DISTANCE AND SPACING LIMITATIONS.
- DLGE WILL NOT PROVIDE A STATEMENT OF INSPECTION UNLESS CALLED PRIOR TO INSTALLATION.
- SHOP DRAWING COVER STRUCTURAL REQUIREMENTS ONLY.
- ALL WINDOW OPENINGS IDENTIFIED AS EGRESS SHALL BE UNOBSTRUCTED AND SHALL HAVE A MINIMUM NET CLEAR OPENING HEIGHT OF 24", A NET CLEAR OPENING WIDTH OF 20" AND A MINIMUM NET CLEAR OPENING AREA OF 5.7 S.F. (5.0 S.F. FOR GRADE LEVEL WINDOWS).
- ALL EGRESS WINDOWS SHALL HAVE A SILL HEIGHT NOT TO EXCEED 44" ABOVE FINISHED FLOOR.
- ALL WINDOWS SHALL NOT HAVE A SILL HEIGHT LESS THAN 36" ABOVE FINISHED FLOOR, UNLESS A CODE APPROVED PROTECTIVE BARRIER IS PROVIDED (BY OTHERS).
- IT IS THE EXCLUSIVE RESPONSIBILITY OF THE WINDOW COMPANY TO PROVIDE PRODUCTS THAT MEET OR EXCEED THE ENERGY VALUES MANDATED BY THE STATE OF FLORIDA. COMPLIANCE WITH ENERGY REQUIREMENTS IS BEYOND THE SCOPE OF THESE DRAWINGS.
- ALL SHIMS TO BE AS PER PRODUCT APPROVALS.
- G.C. TO PROVIDE OR REPLACE FIRE PROTECTION ON ALL STRUCTURAL MEMBERS, NEW AND EXISTING, AS NECESSARY, TO MEET FIRE RATING REQUIREMENTS BY APPLICABLE CODES

ONLY MARKED UNITS ARE PART OF THE SCOPE. FULL SCOPE MAY NOT COVER FULL ENVELOPE OF THE BUILDING / RESIDENCE. DLGE NOT RESPONSIBLE FOR THE FULL ENVELOPE OF THE BUILDING / RESIDENCE.

SCOPE LIMITED TO GLAZING PRODUCTS AND ANCHORAGE CHECK

GC IS RESPONSIBLE TO VERIFY THAT THE SUBSTRATES MEET THE REQUIREMENTS SPECIFIED IN PRODUCT APPROVALS AND DETAILS IN THIS DRAWINGS.

ABBREVIATIONS

| | AT | DWG. | DRAWING | MIN. | MINIMUM | N.I.C. | NOT IN CONTRACT | SMS | SHEET METAL SCREW | SYSTEM ABBREVIATIONS | |
|-------|------------------|---------|---------------------------|--------|---------------------------|---------|------------------|---------|------------------------|----------------------|--------------------------|
| ALUM. | ALUMINUM | EA. | EACH | MIR. | MIRROR | O.C. | ON CENTER | STL. | STEEL | CW | CURTAIN WALL |
| ATT. | ATTACHED | E.DIST. | EDGE DISTANCE | MTL. | METAL | O.D. | OUTSIDE DIAMETER | STRUCT. | STRUCTURE | ED | ENTRANCE DOOR |
| BLDG. | BUILDING | EMBED. | EMBEDMENT | N.I.C. | NOT IN CONTRACT | OPG. | OPENING | THK. | THICK | FX | FIXED WINDOW |
| BDT. | BOTTOM | EXIST. | EXISTING | HORIZ. | HORIZONTAL | P.T. | PRESSURE TREATED | TYP. | TYPICAL | HM | HOLLOW METAL DOOR |
| C.C. | CENTER TO CENTER | F.D. | FRAME DIMENSION | HSS | HOLLOW STRUCTURAL SECTION | PL. | PLATE | U.O.N. | UNLESS OTHERWISE NOTED | HR | HORIZONTAL ROLLER WINDOW |
| C.L. | CENTER LINE | H. | HEIGHT | M.O. | MASONRY OPENING | R. | RADIUS | V.I.F. | VERIFY IN FIELD | LV | LOUVER |
| CLG. | CEILING | HORIZ. | HORIZONTAL | MAT'L. | MATERIAL | R.O. | ROUGH OPENING | VERT. | VERTICAL | SF | STOREFRONT |
| COL. | COLUMN | HSS | HOLLOW STRUCTURAL SECTION | MAX. | MAXIMUM | REINF. | REINFORCEMENT | W. | WIDTH | SGD | SLIDING GLASS DOOR |
| CONC. | CONCRETE | M.O. | MASONRY OPENING | MFR. | MANUFACTURER | REINF'D | REINFORCED | WD. | WOOD | SH | SINGLE HUNG |
| CONT. | CONTINUOUS | MAT'L. | MATERIAL | MIN. | MINIMUM | REQ'D. | REQUIRED | | | SKL | SKYLIGHT |
| D. | DEPTH | MAX. | MAXIMUM | MIR. | MIRROR | SIM. | SIMILAR | | | WW | WINDOW WALL |
| DIA. | DIAMETER | MFR. | MANUFACTURER | MTL. | METAL | SL. | SLOPE | | | | |

SYMBOL LEGEND

| | | | | | | | | | | | |
|-------------|----------------------|---------------------|-----------------------|--------------|-------------|-------------------|------------|------------|---------------|----------------|---------------|
| | | | | | | | | | | | |
| NORTH ARROW | DETAIL NUMBER (TYP.) | SHEET NUMBER (TYP.) | OVERALL ELEVATION TAG | SECTION TAGS | DETAIL TAGS | SYSTEM DETAIL TAG | WINDOW TAG | COLUMN TAG | SYSTEM ID TAG | ELEVATION MARK | WIND LOAD TAG |

DIMENSIONS SHOWN ARE NOMINAL, GLAZING / STEEL FABRICATOR TO OBTAIN FIELD DIMENSIONS PRIOR TO FABRICATION

THE EXISTING STRUCTURE AND SUBSTRATE SHOULD BE VERIFIED, BY OTHERS, TO SUPPORT THE LOADS IMPOSED BY THE GLAZING SYSTEM

CONTRACTOR TO REPORT ANY DEVIATIONS BETWEEN FIELD CONDITIONS AND DETAILS SHOWN ON THESE DRAWINGS TO DLG ENGINEERING PRIOR TO INSTALLATION

GLAZING SYSTEMS

- A. FIXED WINDOW - LARGE MISSILE IMPACT
NOA# 23-0724.08
SERIES "5100 FIXED CASEMENT" ALUMINUM FIXED WINDOW - L.M.I.
MANUFACTURER: E.S. WINDOWS, LLC
FINISH: AAMA 2604 BRONZE
- GLAZED WITH: GLASS TYPE "C"
3/8" THICK OVERALL LAMINATED GLASS
OUTBOARD: 5/32" CLEAR HEAT-STRENGTHENED GLASS
INTERLAYER: 0.090" CLEAR INTERLAYER TROSIFOL PVB BY 'KURARAY AMERICA, INC.'
INBOARD: 1/8" CLEAR HEAT-STRENGTHENED GLASS
- B. CASEMENT WINDOW - LARGE MISSILE IMPACT
FL# 41000.1
SERIES "5000" ALUMINUM CASEMENT WINDOW - L.M.I.
MANUFACTURER: E.S. WINDOWS, INC
FINISH: AAMA 2604 BRONZE
- GLAZED WITH: GLASS TYPE "A"
5/16" THICK OVERALL LAMINATED GLASS
OUTBOARD: 1/8" CLEAR HEAT-STRENGTHENED GLASS
INTERLAYER: 0.090" CLEAR INTERLAYER TROSIFOL PVB BY 'KURARAY AMERICA, INC.'
INBOARD: 1/8" CLEAR HEAT-STRENGTHENED GLASS
- C. FIXED WINDOW - LARGE MISSILE IMPACT
NOA# 23-0714.17
SERIES "EL-150" ALUMINUM FIXED WINDOW - L.M.I.
MANUFACTURER: E.S. WINDOWS, LLC
FINISH: AAMA 2604 BRONZE
- GLAZED WITH: GLASS TYPE "B"
7/16" THICK OVERALL LAMINATED GLASS
OUTBOARD: 3/16" CLEAR HEAT-STRENGTHENED GLASS
INTERLAYER: 0.090" CLEAR INTERLAYER TROSIFOL PVB BY 'KURARAY AMERICA, INC.'
INBOARD: 3/16" CLEAR HEAT-STRENGTHENED GLASS

INDEX OF DRAWINGS

| SHEET | SHEET TITLE |
|---------|---------------------------------------|
| 000 | GENERAL NOTES AND SITE LOCATION |
| 100 | WINDOW & DOOR SCHEDULE |
| 200 | FIRST FLOOR PLAN (AS REFERENCE ONLY) |
| 201 | SECOND FLOOR PLAN (AS REFERENCE ONLY) |
| 300 | SOUTH & EAST ELEVATION |
| 301 | NORTH ELEVATION |
| 400 | OPENING ELEVATIONS |
| 500-502 | PHOTOGRAPHS |

Wimal Suaris
Digitally signed by Wimal Suaris
DN: cn=Wimal Suaris, o=DLG Engineering, Inc., email=Wimal@dlgengineering.com
Reason: I agree the signature controls the document.
Date: 2024.03.12 12:06:00 -0500

REVISIONS

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WIMAL SUARIS, P.E.

PE# 37369
CA# 28476



GENERAL NOTES AND SITE LOCATION

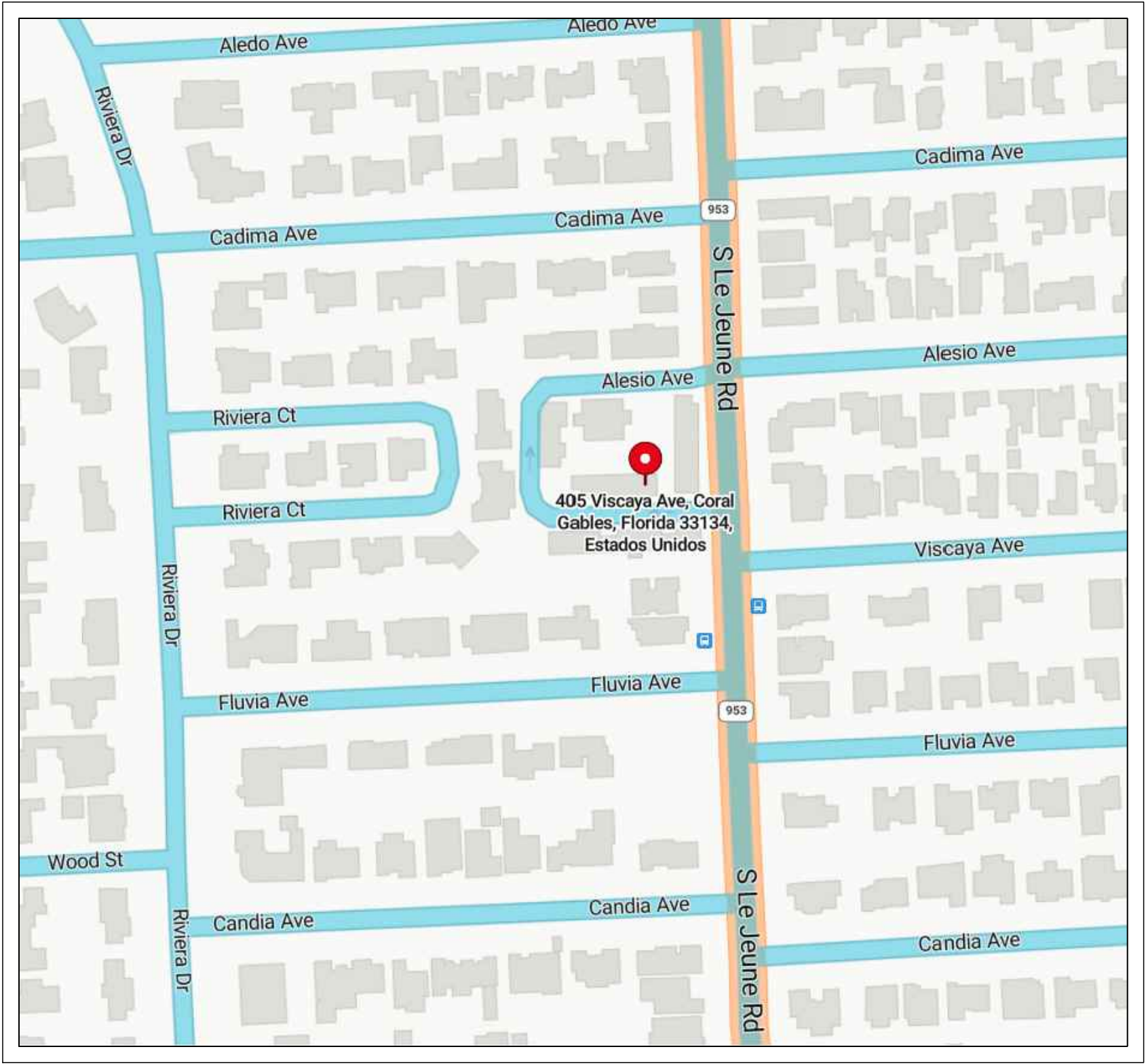
HARRIS LEVINE
RESIDENCE
405 VISCAYA AVENUE,
CORAL GABLES, FLORIDA 33134

PATRIOT WINDOWS
& DOORS
6175 NW 167TH STREET
MIAMI LAKES, FL 33015

| | |
|------------|------------|
| DATE | 03/19/2024 |
| SCALE | AS NOTED |
| DRAWN | AA |
| CHECKED BY | JRO |
| PROJECT | 24-143 |

DRAWING NO.
SD24-143

SHEET
000



SITE LOCATION

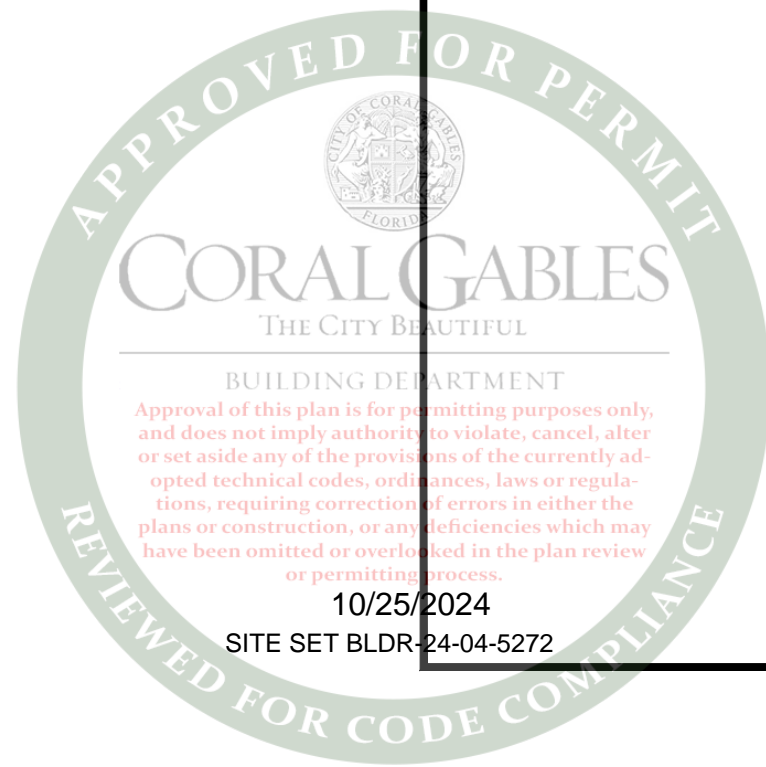
SCALE

N.T.S.

| WINDOW & DOOR SCHEDULE | | | | | | | | | | | |
|--|------|------------|-------------------------|-----------|----------------------------|--------|------------------------------|--------|---|------------------|--|
| MARK | QTY. | GLASS TYPE | O.A. FRAME SIZE (W X H) | WIND ZONE | DESIGN LOADS PER ASCE 7-22 | | ALLOWABLE LOADS PER APPROVAL | | PRODUCT DESCRIPTION | NOA No. / FL No. | REMARKS |
| | | | | | (+)PSF | (-)PSF | (+)PSF | (-)PSF | | | |
| 1 | 1 | C | 19.0" X 40.0" | 5 | 45.78 | 61.30 | 90.0 | 90.0 | SERIES "5100 FIXED CASEMENT" ALUMINUM FIXED WINDOW - L.M.I. | NOA# 23-0724.08 | O CONFIGURATION / FLANGE FRAME / MUNTIN DETAILS: GRID, (1) LITE ACROSS , (3) LITES DOWN, ES1014 INTERNAL AND EXTERNAL STYLE / FINISH: AAMA 2604 BRONZE |
| 2 | 1 | A | 37.0" X 40.0" | 4 | 45.78 | 49.66 | 85.0 | 85.0 | SERIES "5000" ALUMINUM CASEMENT WINDOW - L.M.I. | FL# 41000.1 | XR CONFIGURATION / FLANGE FRAME / MULTIPOINT LOCK / MUNTIN DETAILS: GRID, (2) LITES ACROSS , (3) LITES DOWN, ES1014 INTERNAL AND EXTERNAL STYLE / FINISH: AAMA 2604 BRONZE |
| 3 | 1 | C | 19.0" X 40.0" | 4 | 45.78 | 49.66 | 90.0 | 90.0 | SERIES "5100 FIXED CASEMENT" ALUMINUM FIXED WINDOW - L.M.I. | NOA# 23-0724.08 | O CONFIGURATION / FLANGE FRAME / MUNTIN DETAILS: GRID, (1) LITE ACROSS , (3) LITES DOWN, ES1014 INTERNAL AND EXTERNAL STYLE / FINISH: AAMA 2604 BRONZE |
| 4 | 2 | A | 35-1/2" X 50.0" | 4 | 45.78 | 49.66 | 85.0 | 85.0 | SERIES "5000" ALUMINUM CASEMENT WINDOW - L.M.I. | FL# 41000.1 | XR CONFIGURATION / FLANGE FRAME / MULTIPOINT LOCK / MUNTIN DETAILS: GRID, (2) LITES ACROSS , (3) LITES DOWN, ES1014 INTERNAL AND EXTERNAL STYLE / FINISH: AAMA 2604 BRONZE |
| 5 | 1 | A | 35-1/2" X 37-1/2" | 4 | 45.78 | 49.66 | 85.0 | 85.0 | SERIES "5000" ALUMINUM CASEMENT WINDOW - L.M.I. | FL# 41000.1 | XR CONFIGURATION / FLANGE FRAME / MULTIPOINT LOCK / MUNTIN DETAILS: GRID, (2) LITES ACROSS , (3) LITES DOWN, ES1014 INTERNAL AND EXTERNAL STYLE / FINISH: AAMA 2604 BRONZE |
| 6 | 2 | A | 52-1/2" X 49-1/2" | 5 | 45.78 | 61.30 | 85.0 | 85.0 | SERIES "5000" ALUMINUM CASEMENT WINDOW - L.M.I. | FL# 41000.1 | XX CONFIGURATION / FLANGE FRAME / MULTIPOINT LOCK / MUNTIN DETAILS: GRID, (1) LITES ACROSS , (4) LITES DOWN, ES1014 INTERNAL AND EXTERNAL STYLE / FINISH: AAMA 2604 BRONZE |
| 7 | 1 | A | 36-1/2" X 38.0" | 4 | 45.78 | 49.66 | 85.0 | 85.0 | SERIES "5000" ALUMINUM CASEMENT WINDOW - L.M.I. | FL# 41000.1 | XR CONFIGURATION / FLANGE FRAME / MULTIPOINT LOCK / MUNTIN DETAILS: GRID, (2) LITES ACROSS , (3) LITES DOWN, ES1014 INTERNAL AND EXTERNAL STYLE / FINISH: AAMA 2604 BRONZE |
| 8 | 1 | A | 37.0" X 50-5/8" | 4 | 45.78 | 49.66 | 85.0 | 85.0 | SERIES "5000" ALUMINUM CASEMENT WINDOW - L.M.I. | FL# 41000.1 | XL CONFIGURATION / FLANGE FRAME / MULTIPOINT LOCK / MUNTIN DETAILS: GRID, (2) LITES ACROSS , (3) LITES DOWN, ES1014 INTERNAL AND EXTERNAL STYLE / FINISH: AAMA 2604 BRONZE |
| 9 | 1 | B | 37.0" X 39.0" | 5 | 45.78 | 61.30 | 85.0 | 85.0 | SERIES "5000" ALUMINUM CASEMENT WINDOW - L.M.I. | FL# 41000.1 | XL CONFIGURATION / FLANGE FRAME / MULTIPOINT LOCK / MUNTIN DETAILS: GRID, (2) LITES ACROSS , (3) LITES DOWN, ES1014 INTERNAL AND EXTERNAL STYLE / FINISH: AAMA 2604 BRONZE |
| 10 | 2 | A | 35-1/2" X 51.0" | 4 | 45.78 | 49.66 | 85.0 | 85.0 | SERIES "5000" ALUMINUM CASEMENT WINDOW - L.M.I. | FL# 41000.1 | XR CONFIGURATION / FLANGE FRAME / MULTIPOINT LOCK / MUNTIN DETAILS: GRID, (2) LITES ACROSS , (3) LITES DOWN, ES1014 INTERNAL AND EXTERNAL STYLE / FINISH: AAMA 2604 BRONZE |
| 11 | 1 | B | 19.0" X 39.0" | 4 | 45.78 | 49.66 | 80.0 | 80.0 | SERIES "EL-150" ALUMINUM FIXED WINDOW - L.M.I. | NOA# 23-0714.17 | O CONFIGURATION / FLANGE FRAME / MUNTIN DETAILS: GRID, (1) LITE ACROSS , (3) LITES DOWN, ES1014 INTERNAL AND EXTERNAL STYLE / FINISH: AAMA 2604 BRONZE |
| 12R | 1 | A | 35-1/2" X 50.0" | 4 | 45.78 | 49.66 | 85.0 | 85.0 | SERIES "5000" ALUMINUM CASEMENT WINDOW - L.M.I. | FL# 41000.1 | XR CONFIGURATION / FLANGE FRAME / MULTIPOINT LOCK / MUNTIN DETAILS: GRID, (2) LITES ACROSS , (3) LITES DOWN, ES1014 INTERNAL AND EXTERNAL STYLE / FINISH: AAMA 2604 BRONZE |
| 12L | 1 | A | 35-1/2" X 50.0" | 4 | 45.78 | 49.66 | 85.0 | 85.0 | SERIES "5000" ALUMINUM CASEMENT WINDOW - L.M.I. | FL# 41000.1 | XL CONFIGURATION / FLANGE FRAME / MULTIPOINT LOCK / MUNTIN DETAILS: GRID, (2) LITES ACROSS , (3) LITES DOWN, ES1014 INTERNAL AND EXTERNAL STYLE / FINISH: AAMA 2604 BRONZE |
| NOTE: ANCHORAGE PATTERN AND SPECIFICATIONS AS PER MARKED UP PRODUCT APPROVALS INCLUDED IN PERMIT SUBMITTAL | | | | | | | | | | | |

| | |
|-----|------------------------|
| 1 | WINDOW & DOOR SCHEDULE |
| 100 | SCALE |

N.T.S



DLG ENGINEERING, INC.

BUILDING ENVELOPE CONSULTANTS

5825 Sunset Drive - Suite 300 | South Miami, Florida 33143

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mailing@dlgenengineering.com

REVISIONS

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WIMAL SUARIS, P.E.

PE# 37369
CA# 28476

WIMAL SUARIS, P.E.
No. 37369
Mechanical
State of Florida

CLIENT:

PATRIOT WINDOWS & DOORS

6175 NW 167TH STREET
MIAMI LAKES, FL 33015

PROJECT:

HARRIS LEVINE RESIDENCE

405 VISCAYA AVENUE,
CORAL GABLES, FLORIDA 33134

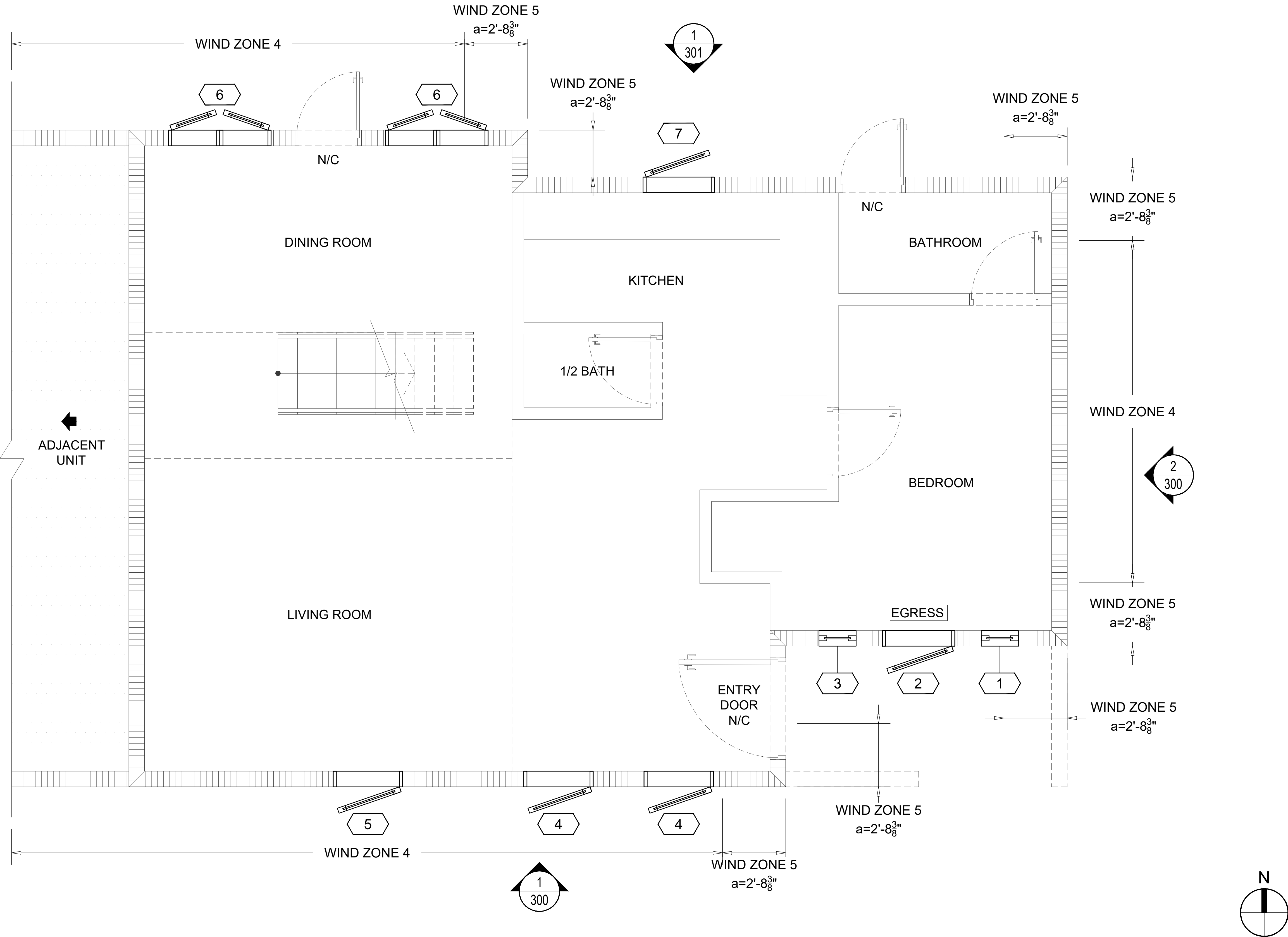
| | |
|------------|------------|
| DATE | 03/19/2024 |
| SCALE | AS NOTED |
| DRAWN | AA |
| CHECKED BY | JRO |
| PROJECT | 24-143 |

DRAWING NO.

SD24-143

SHEET

100

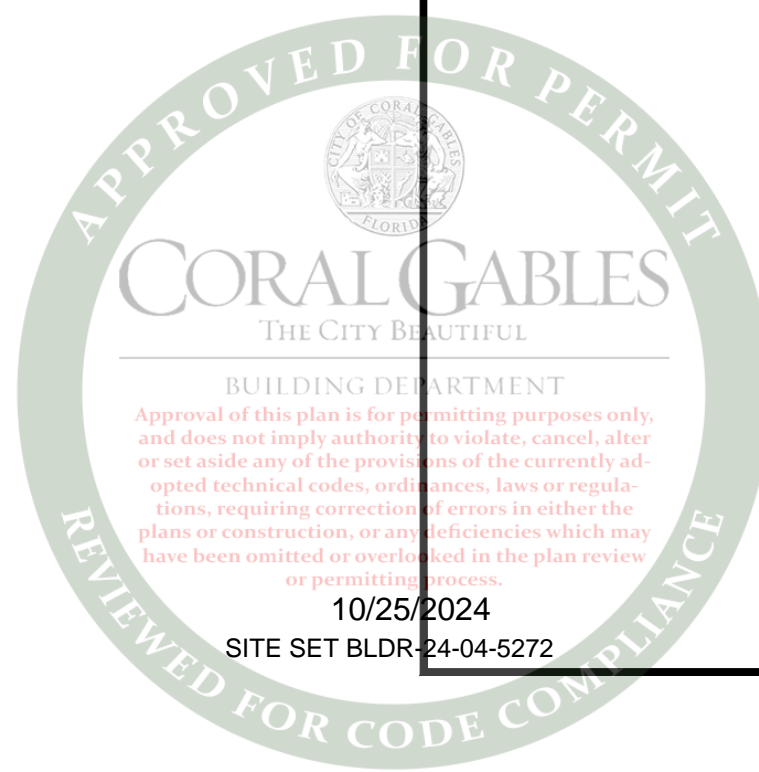


GENERAL NOTES:

- ONLY MARKED OPENINGS ARE PART OF THIS PERMIT.
- THE MAIN WIND FORCE RESISTING SYSTEMS OF THE STRUCTURE (i.e. BEAMS, COLUMNS, FRAMING, ETC) IS NOT TO BE ALTERED. ANY ALTERATIONS TO THOSE SYSTEMS SHALL BE DESIGNED OR CHECKED BY OTHERS TO WITHSTAND ANY STRUCTURAL LOADS, NO CALCULATIONS HAVE BEEN PERFORMED TO VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE.

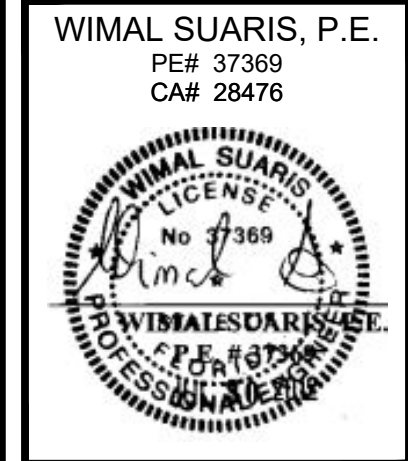
1 FIRST FLOOR PLAN (AS REFERENCE ONLY)
200 SCALE

7/16"=1'-0"



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mailing@dlgeengineering.com

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FIRST FLOOR PLAN (AS REFERENCE ONLY)

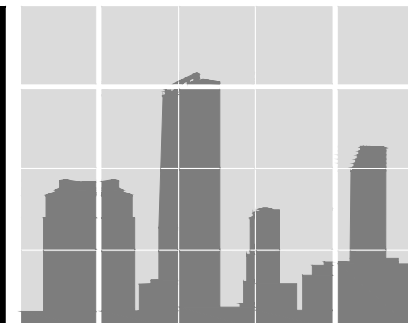
CLIENT: PATRIOT WINDOWS & DOORS
6175 NW 167TH STREET
MIAMI LAKES, FL 33015

PROJECT: HARRIS LEVINE RESIDENCE
405 VISCAYA AVENUE,
CORAL GABLES, FLORIDA 33134

| | |
|------------|-------------|
| DATE | 03/19/2024 |
| SCALE | 7/16"=1'-0" |
| DRAWN | AA |
| CHECKED BY | JRO |
| PROJECT | 24-143 |

DRAWING NO.
SD24-143

SHEET
200



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mailing@dlgengineering.com

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WIMAL SUARIS, P.E.
PE# 37369
CA# 28476

Digitally signed by Wimal Suaris
DN: cn=Wimal Suaris, o=DLG Engineering, Inc., email=W.Suaris@dlgengineering.com, c=US
Reason: I am the approver of this document
Date: 2024.08.21 13:05:51 -0400

Wimal Suaris

SECOND FLOOR PLAN (AS REFERENCE ONLY)

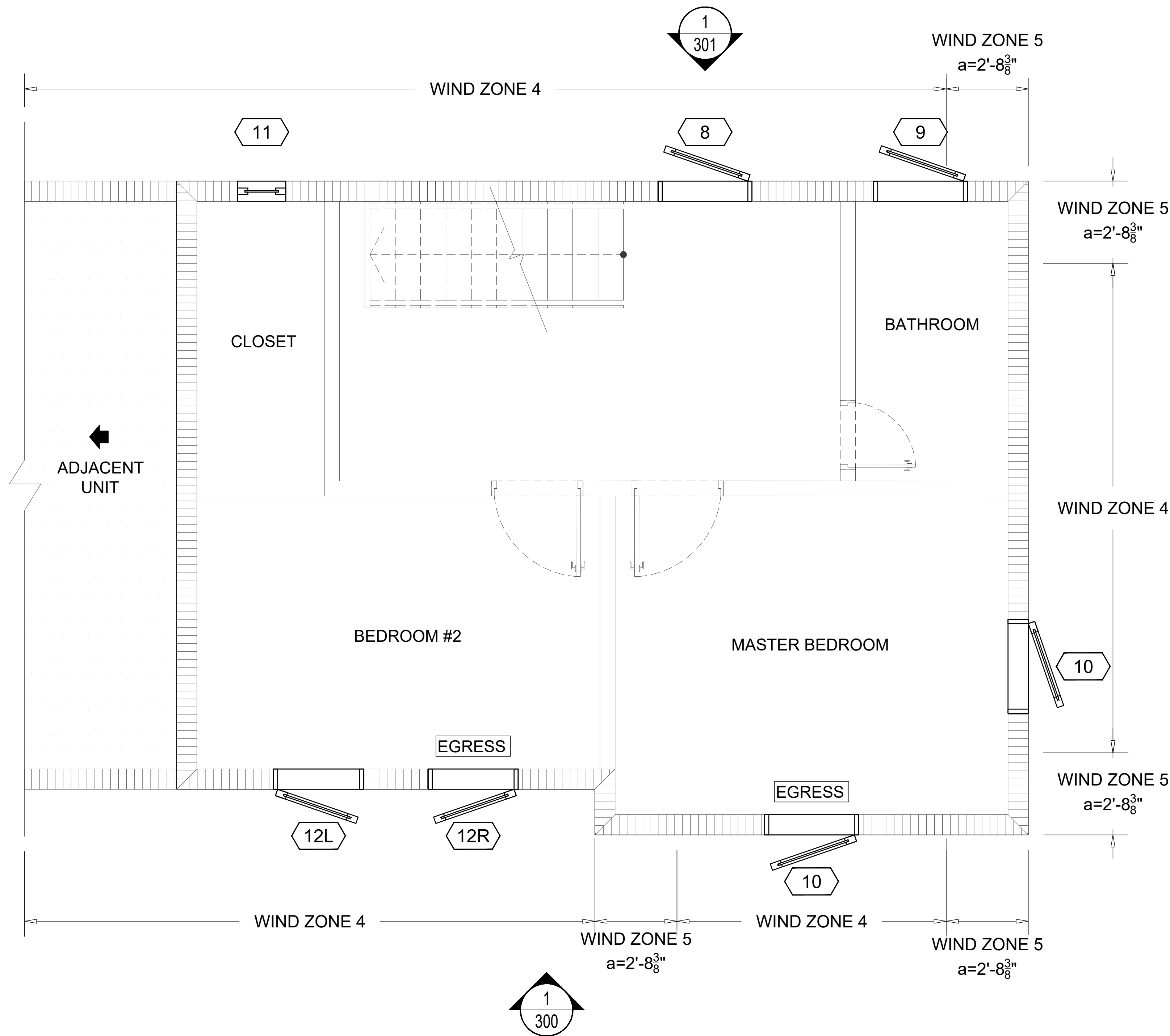
CLIENT: **PATRIOT WINDOWS & DOORS**
6175 NW 167TH STREET
MIAMI LAKES, FL 33015

PROJECT: **HARRIS LEVINE RESIDENCE**
405 VISCAYA AVENUE,
CORAL GABLES, FLORIDA 33134

| | |
|------------|-------------|
| DATE | 03/19/2024 |
| SCALE | 7/16"=1'-0" |
| DRAWN | AA |
| CHECKED BY | JRO |
| PROJECT | 24-143 |

DRAWING NO.
SD24-143

SHEET
201

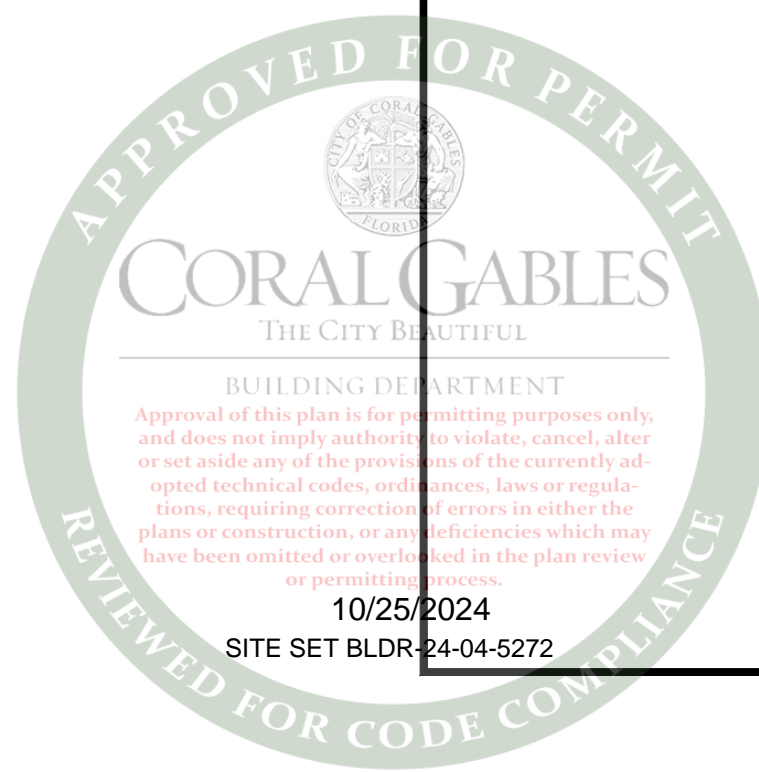


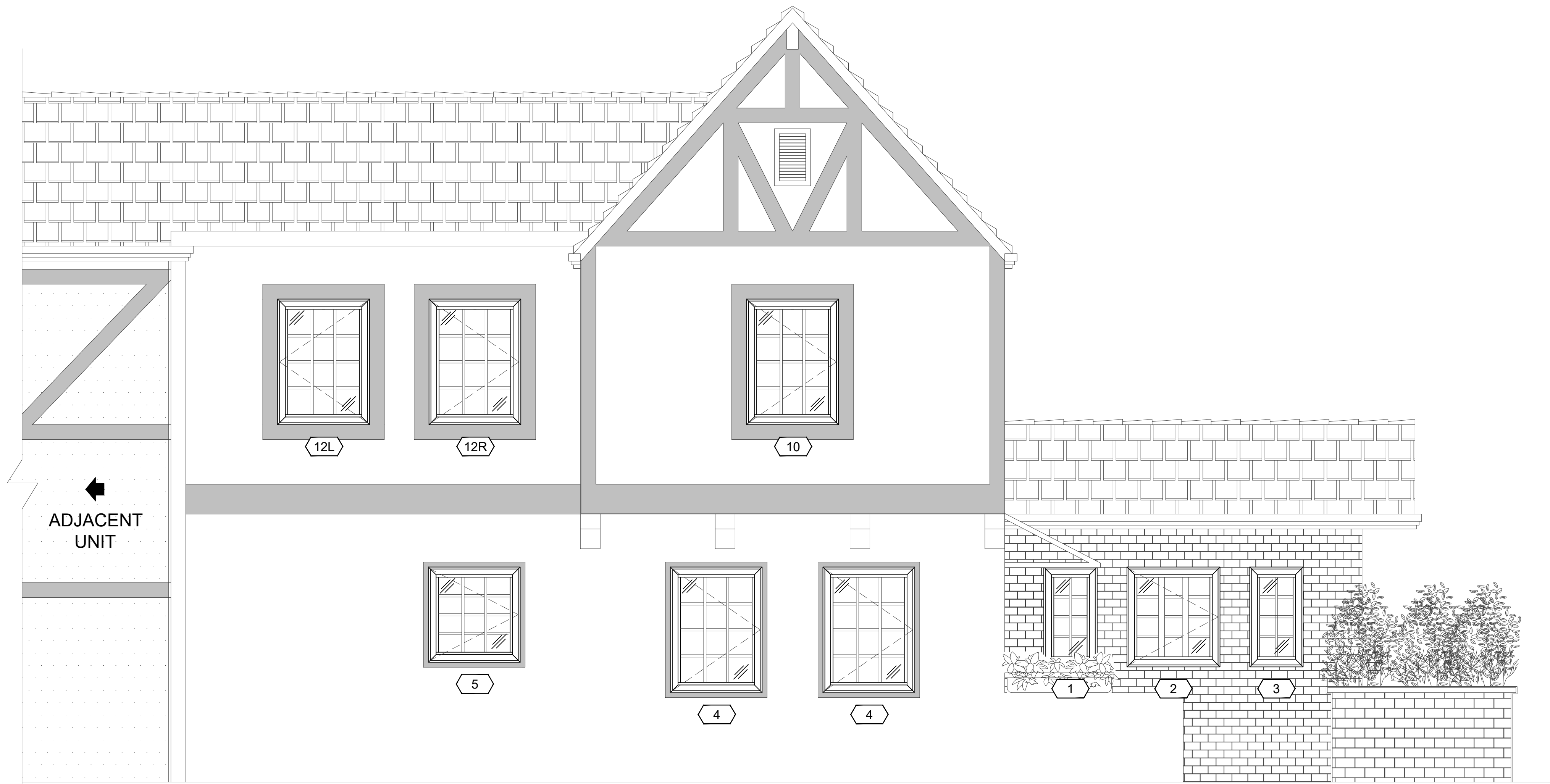
GENERAL NOTES:

- ONLY MARKED OPENINGS ARE PART OF THIS PERMIT.
- THE MAIN WIND FORCE RESISTING SYSTEMS OF THE STRUCTURE (i.e. BEAMS, COLUMNS, FRAMING, ETC) IS NOT TO BE ALTERED. ANY ALTERATIONS TO THOSE SYSTEMS SHALL BE DESIGNED OR CHECKED BY OTHERS TO WITHSTAND ANY STRUCTURAL LOADS, NO CALCULATIONS HAVE BEEN PERFORMED TO VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE.

1 SECOND FLOOR PLAN (AS REFERENCE ONLY)
201 SCALE

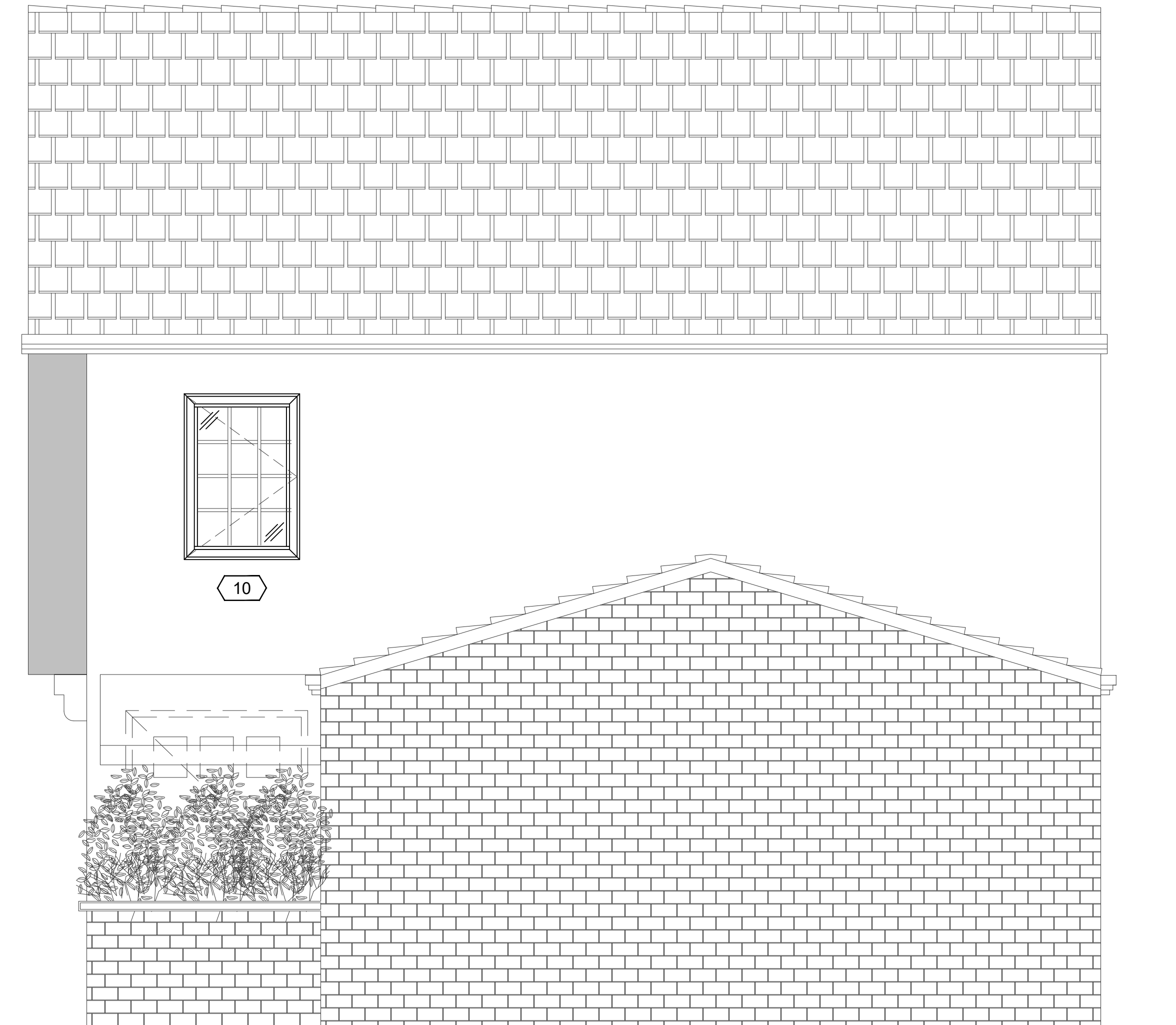
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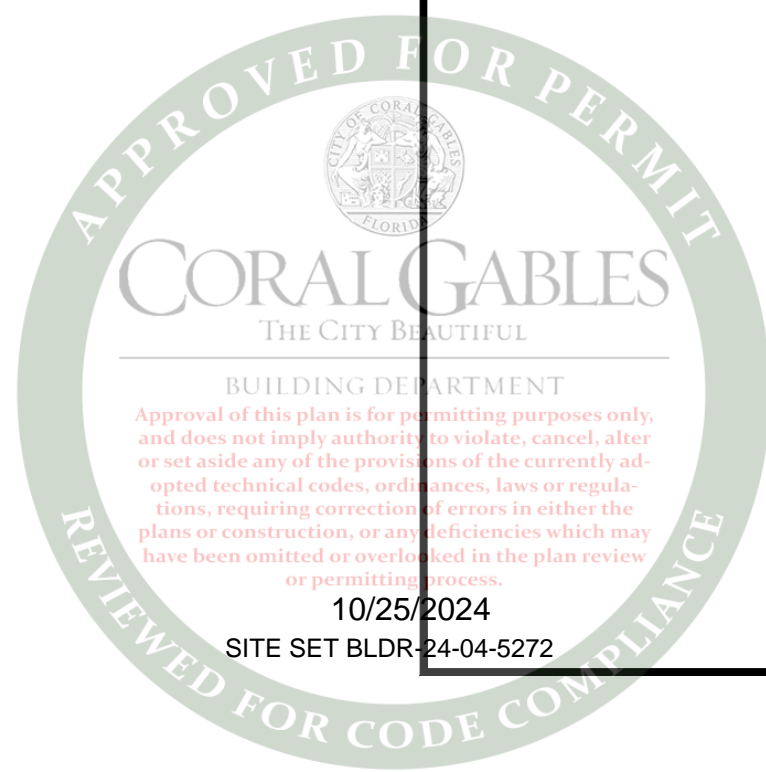
1 SOUTH ELEVATION
300 SCALE

13/32"=1'-0"



2 EAST ELEVATION
300 SCALE

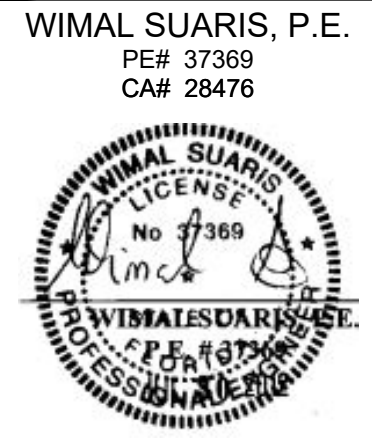
13/32"=1'-0"



Wimal Suaris
Digitally signed by Wimal Suaris
DN: cn=Wimal Suaris, o=DLG Engineering, Inc., email=W.Suaris@dlgengineering.com, c=US
Reason: I agree the signature conforms to the document
Date: 2024.03.12 12:05:20 -0400

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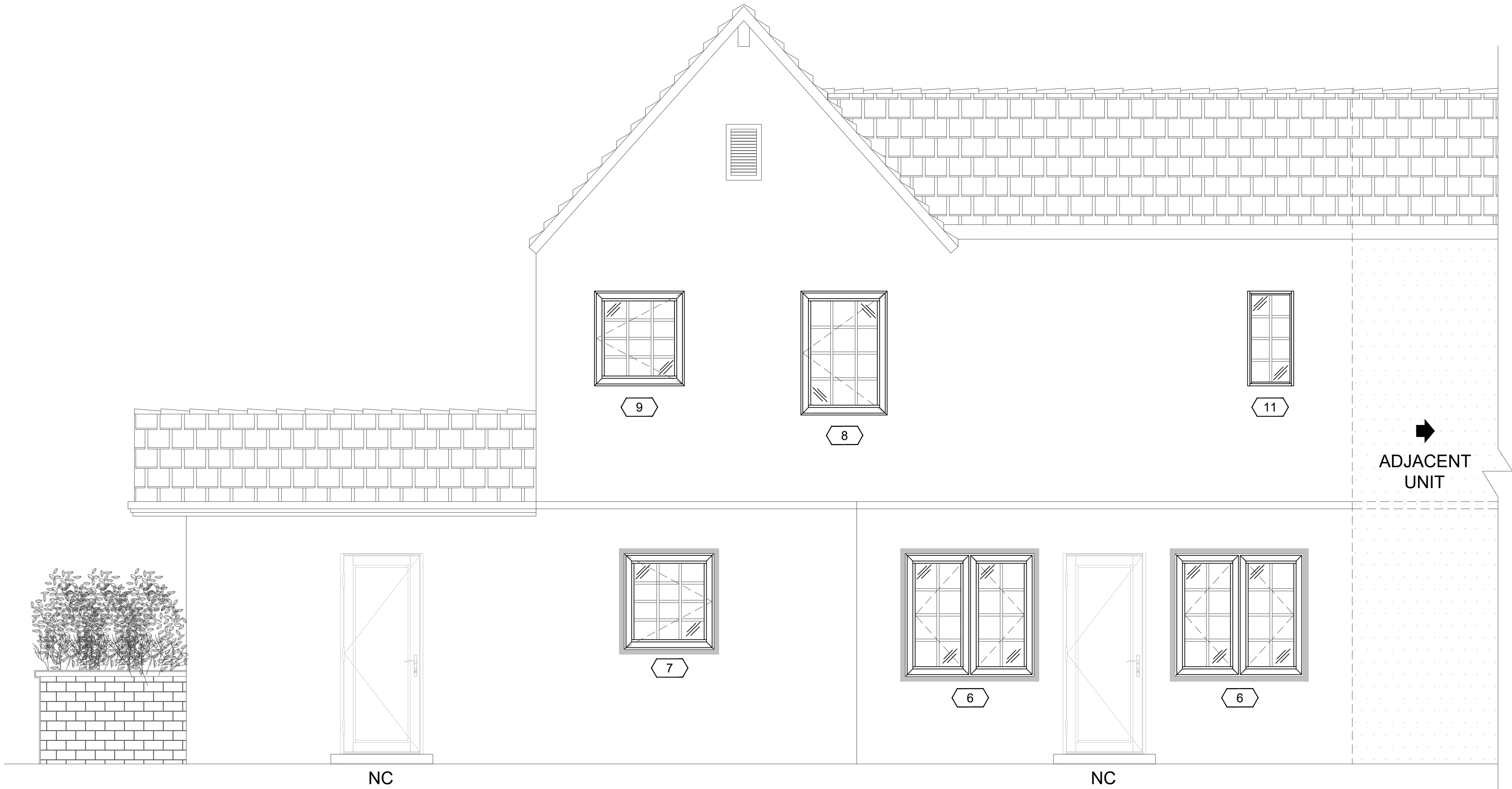
CLIENT: PATRIOT WINDOWS & DOORS
6175 NW 167TH STREET
MIAMI LAKES, FL 33015

PROJECT: HARRIS LEVINE RESIDENCE
405 VISCAYA AVENUE,
CORAL GABLES, FLORIDA 33134

| | |
|------------|--------------|
| DATE | 03/19/2024 |
| SCALE | 13/32"=1'-0" |
| DRAWN | AA |
| CHECKED BY | JRO |
| PROJECT | 24-143 |

DRAWING NO.
SD24-143

SHEET
300



1 NORTH ELEVATION
301 SCALE

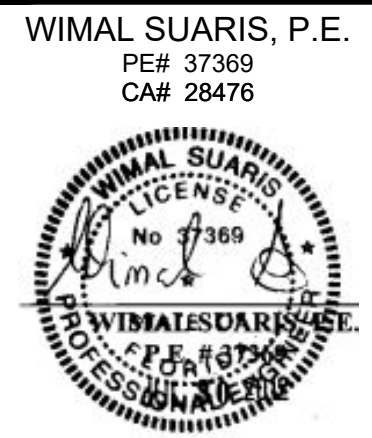
13/32"=1'0"

Wimal Suaris

Digitally signed by Wimal Suaris
DN: cn=Wimal Suaris, o=DLG Engineering, Inc., email=wimal@dlgengineering.com
Reason: I am the signer of this document.
Date: 2024.03.21 12:05:05 -0400

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NORTH ELEVATION

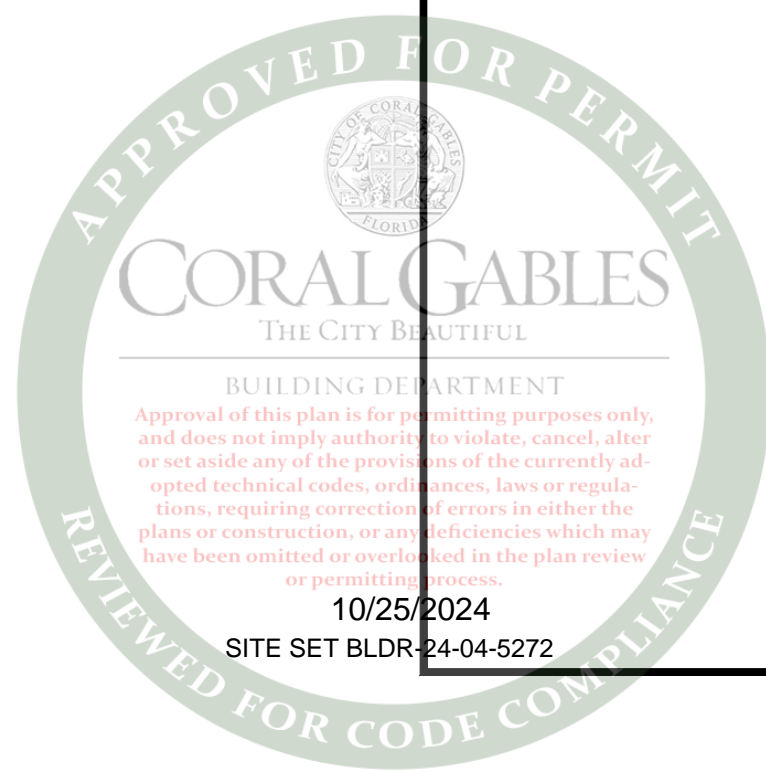
HARRIS LEVINE
RESIDENCE
405 VISCAYA AVENUE,
CORAL GABLES, FLORIDA 33134

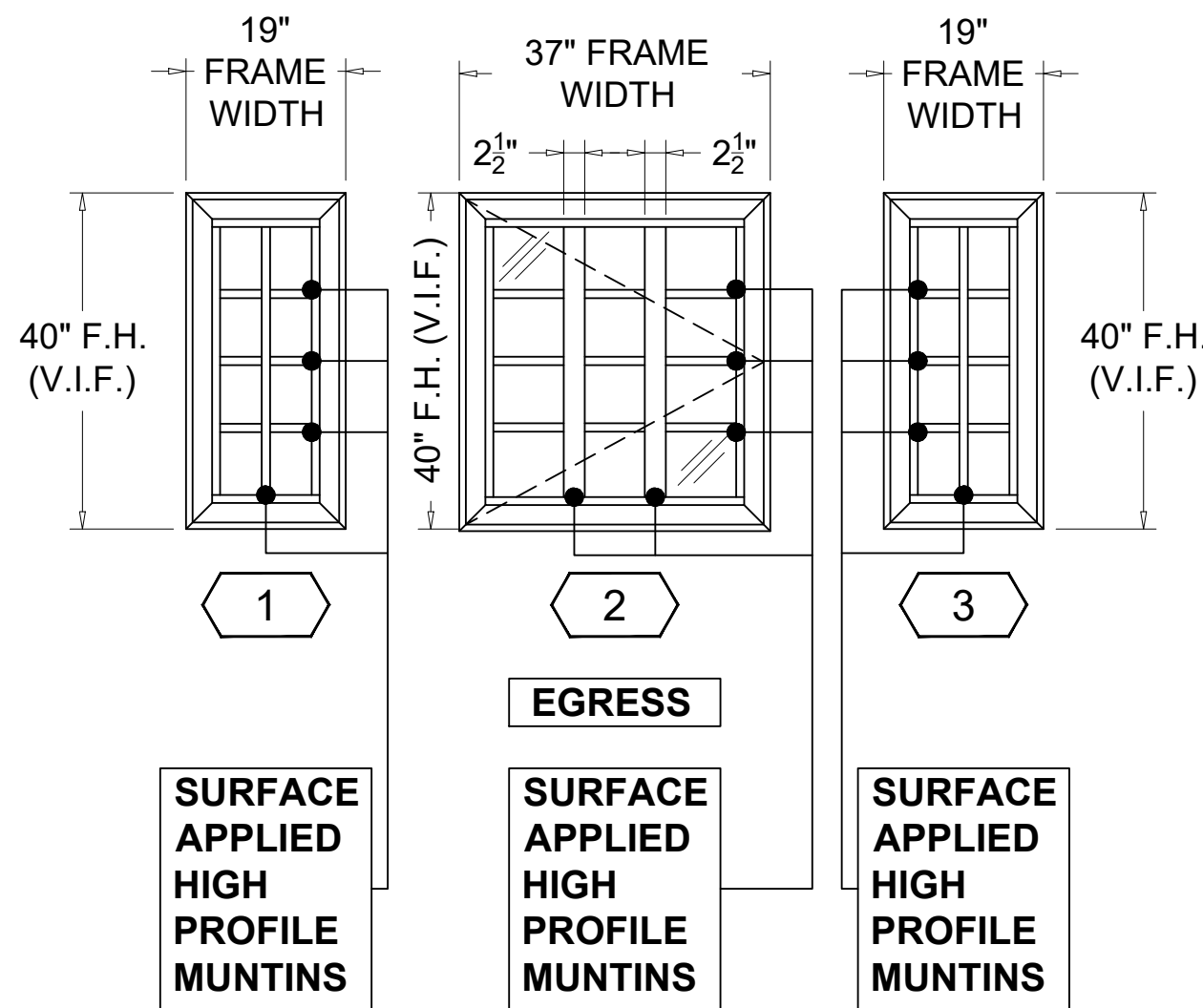
PATRIOT WINDOWS
& DOORS
6175 NW 167TH STREET
MIAMI LAKES, FL 33015

| | |
|------------|--------------|
| DATE | 03/19/2024 |
| SCALE | 13/32"=1'-0" |
| DRAWN | AA |
| CHECKED BY | JRO |
| PROJECT | 24-143 |

DRAWING NO.
SD24-143

SHEET
301





QTY ('1')=1
NOA# 23-0724.08
SERIES "5100 FIXED CASEMENT"
ALUMINUM FIXED WINDOW - L.M.I.
LAMINATED GLASS "C"
WIND ZONE 5

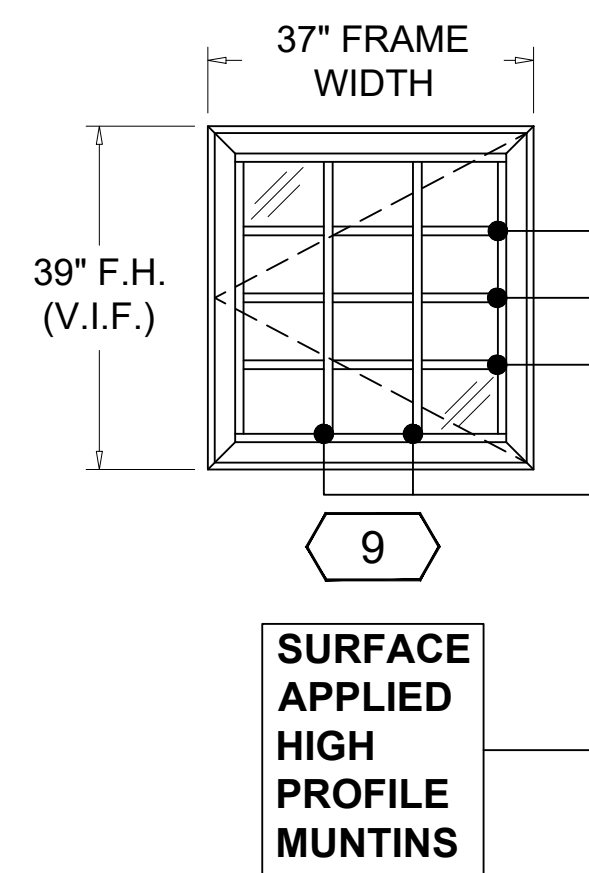
LOAD= + 45.78 PSF
- 61.30 PSF

QTY ('2')=1 / EGRESS
FL# 41000.1
SERIES "5000" ALUMINUM
CASEMENT WINDOW - L.M.I.
LAMINATED GLASS "A"
WIND ZONE 4

LOAD= + 45.78 PSF
- 49.66 PSF

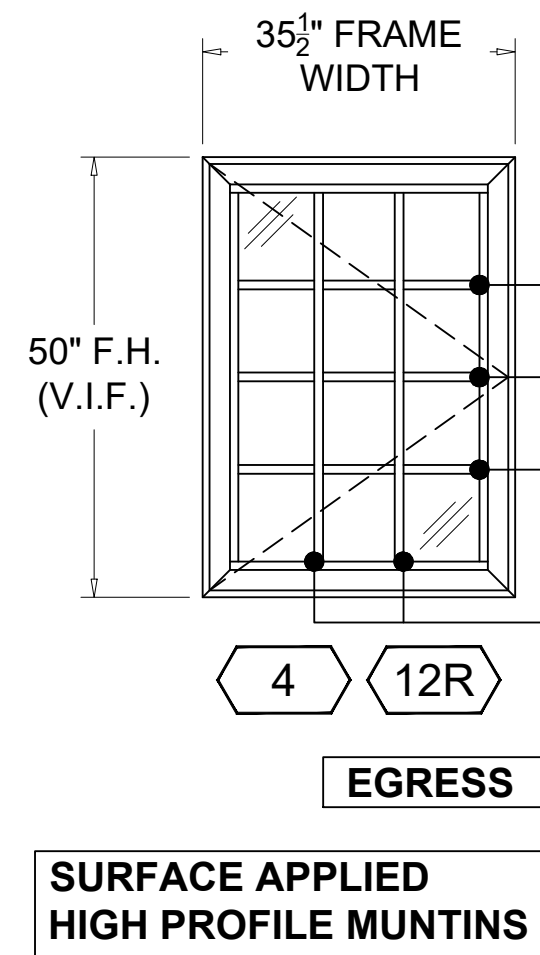
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NOA# 23-0724.08
SERIES "5100 FIXED CASEMENT"
ALUMINUM FIXED WINDOW - L.M.I.
LAMINATED GLASS "C"
WIND ZONE 4

LOAD= + 45.78 PSF
- 49.66 PSF



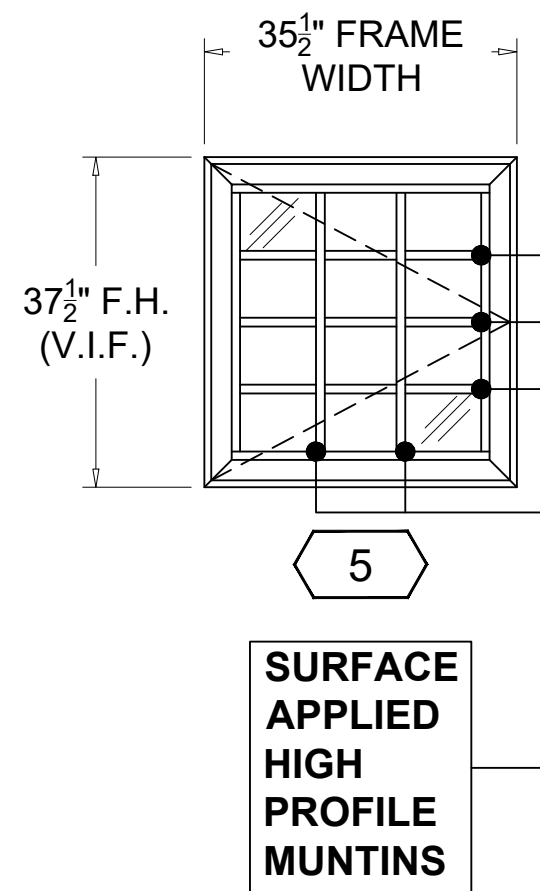
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FL# 41000.1
SERIES "5000" ALUMINUM
CASEMENT WINDOW - L.M.I.
LAMINATED GLASS "A"
WIND ZONE 5

LOAD= + 45.78 PSF
- 61.30 PSF



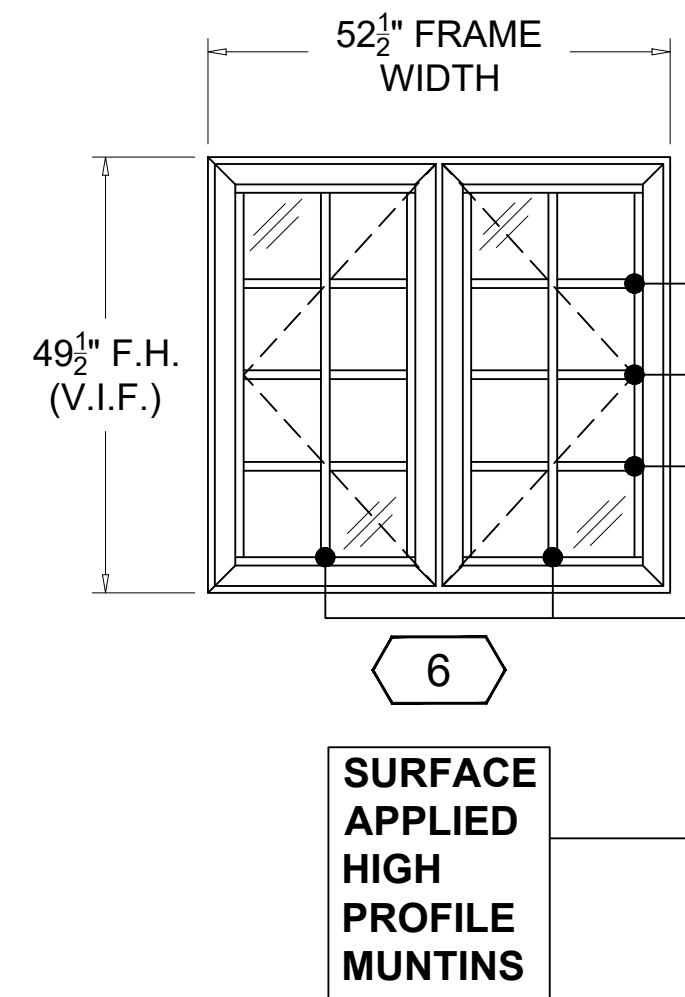
QTY ('4')=2
QTY ('12R')=1 / EGRESS
FL# 41000.1
SERIES "5000" ALUMINUM
CASEMENT WINDOW - L.M.I.
LAMINATED GLASS "A"
WIND ZONE 4

LOAD= + 45.78 PSF
- 49.66 PSF



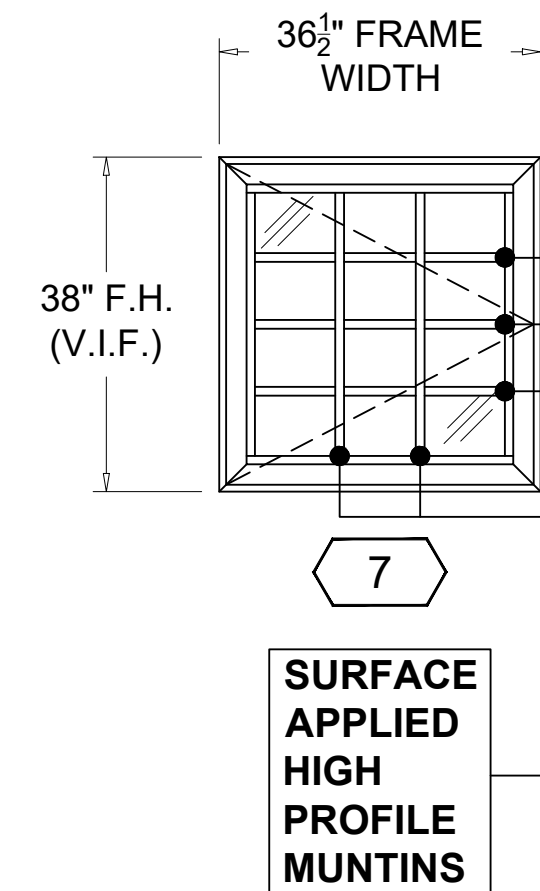
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FL# 41000.1
SERIES "5000" ALUMINUM
CASEMENT WINDOW - L.M.I.
LAMINATED GLASS "A"
WIND ZONE 4

LOAD= + 45.78 PSF
- 49.66 PSF



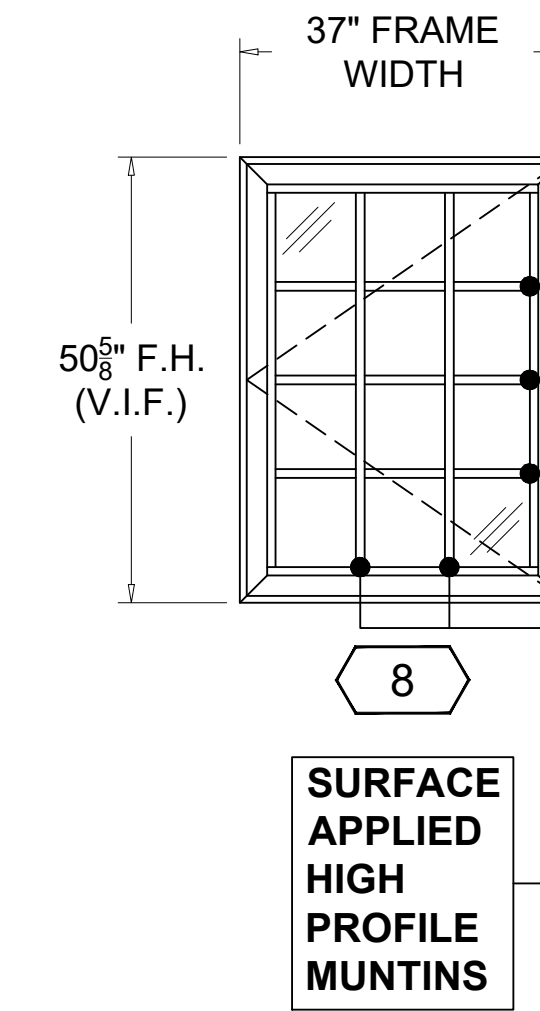
QTY ('6')=2
FL# 41000.1
SERIES "5000" ALUMINUM
CASEMENT WINDOW - L.M.I.
LAMINATED GLASS "A"
WIND ZONE 5

LOAD= + 45.78 PSF
- 61.30 PSF



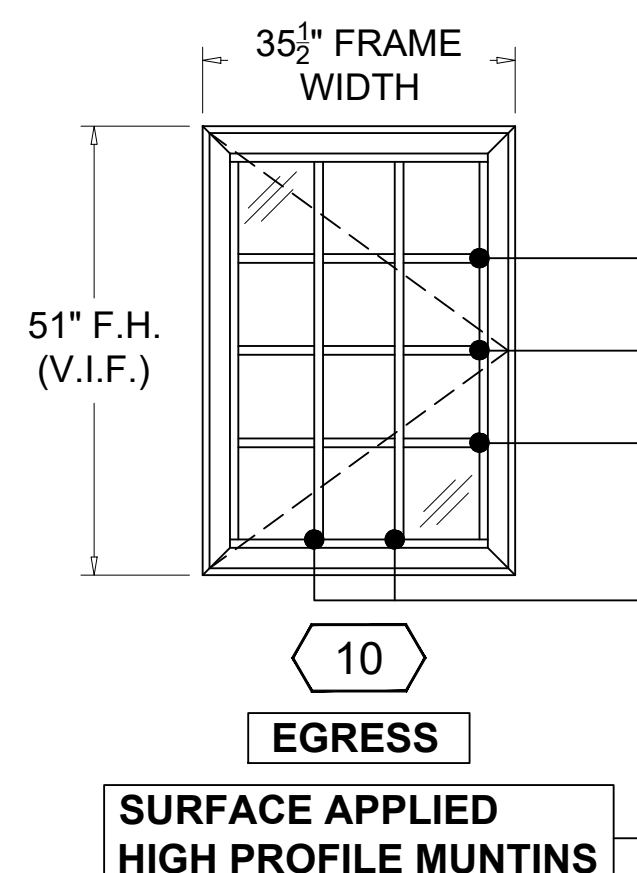
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FL# 41000.1
SERIES "5000" ALUMINUM
CASEMENT WINDOW - L.M.I.
LAMINATED GLASS "A"
WIND ZONE 4

LOAD= + 45.78 PSF
- 49.66 PSF



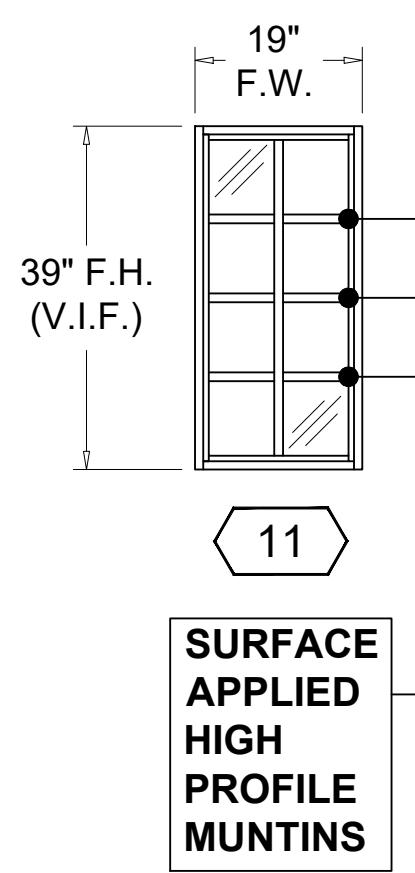
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SERIES "5000" ALUMINUM
CASEMENT WINDOW - L.M.I.
LAMINATED GLASS "A"
WIND ZONE 4

LOAD= + 45.78 PSF
- 49.66 PSF



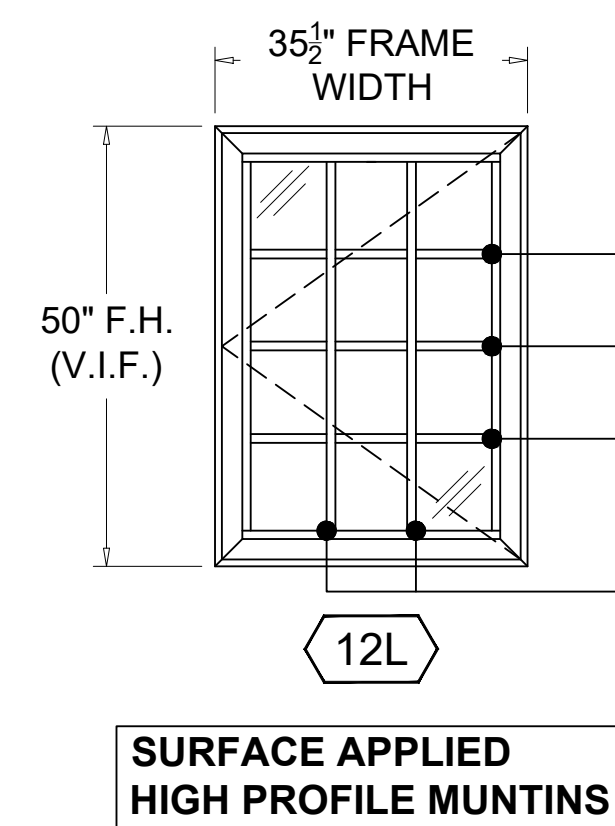
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FL# 41000.1
SERIES "5000" ALUMINUM
CASEMENT WINDOW - L.M.I.
LAMINATED GLASS "A"
WIND ZONE 4

LOAD= + 45.78 PSF
- 49.66 PSF



QTY ('11')=1
NOA# 23-0714.17
SERIES "EL-150" ALUMINUM
FIXED WINDOW - L.M.I.
LAMINATED GLASS "B"
WIND ZONE 4

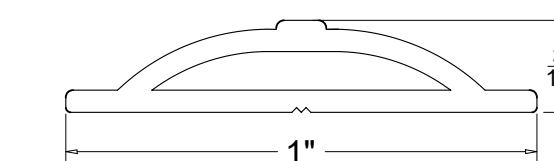
LOAD= + 45.78 PSF
- 49.66 PSF



QTY ('12L')=1
FL# 41000.1
SERIES "5000" ALUMINUM
CASEMENT WINDOW - L.M.I.
LAMINATED GLASS "A"
WIND ZONE 4

LOAD= + 45.78 PSF
- 49.66 PSF

ES-1015 / OG MUNTIN

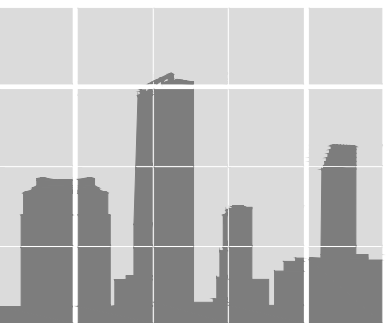


2 MUNTIN DETAIL
400 SCALE 2'-6"=1'-0"

NOTE:
FRAME COLOR:AAMA 2604 BRONZE
GLASS COLOR: CLEAR / NO TINT /
NO REFLECTIVITY

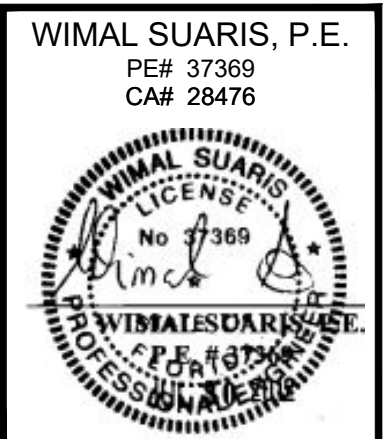
1 OPENING ELEVATIONS
400 SCALE

9/16"=1'-0"



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| REVISIONS | |
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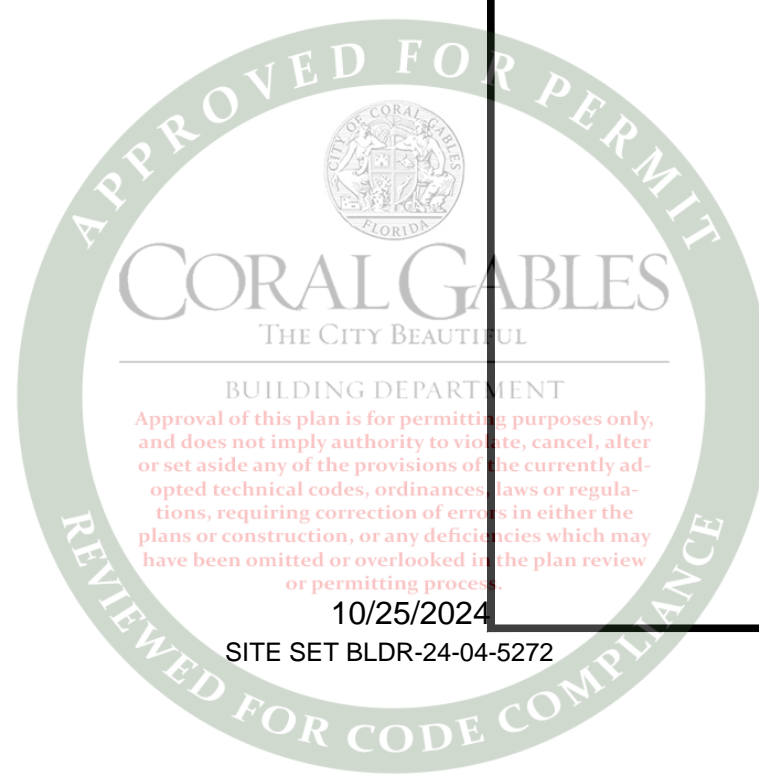
CLIENT: HARRIS LEVINE
RESIDENCE
405 VISCAYA AVENUE,
CORAL GABLES, FLORIDA 33134

PROJECT: PATRIOT WINDOWS
& DOORS
6175 NW 167TH STREET
MIAMI LAKES, FL 33015

| | |
|------------|-------------|
| DATE | 03/19/2024 |
| SCALE | 9/16"=1'-0" |
| DRAWN | AA |
| CHECKED BY | JRO |
| PROJECT | 24-143 |

DRAWING NO.
SD24-143

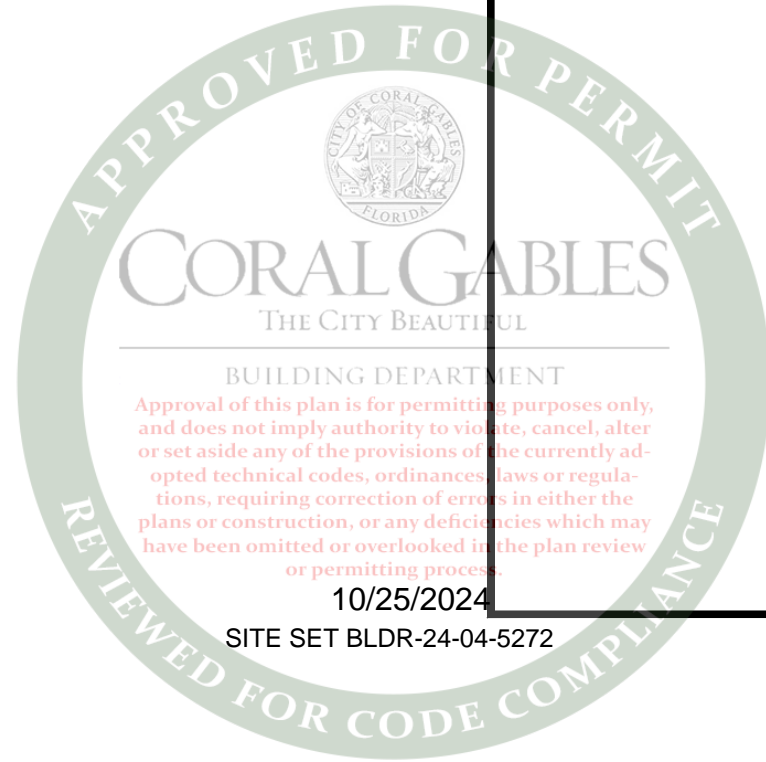
SHEET
400





1 SOUTH
500 SCALE

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| REVISIONS | |
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WIMAL SUARIS, P.E.
PE# 37389
CA# 28476

WIMAL SUARIS, P.E.
MECHANICAL ENGINEER
STATE OF FLORIDA

| | | |
|---|----------|--|
| CLIENT: | PROJECT: | PHOTOGRAPHS |
| | | HARRIS LEVINE RESIDENCE 405 VISCAYA AVENUE, CORAL GABLES, FLORIDA 33134 |
| PATRIOT WINDOWS & DOORS 6175 NW 167TH STREET MIAMI LAKES, FL 33015 | | |

| | |
|------------|------------|
| DATE | 03/19/2024 |
| SCALE | N.T.S. |
| DRAWN | AA |
| CHECKED BY | JRO |
| PROJECT | 24-143 |

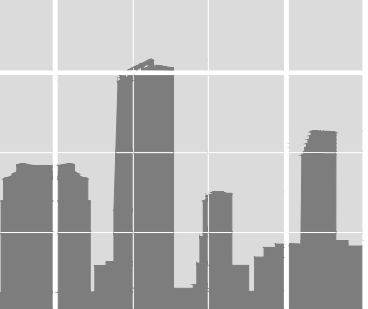
DRAWING NO.
SD24-143

SHEET
500



1 NORTH
501 SCALE

N.T.S.



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WIMAL SUARIS, P.E.
PE# 37389
CA# 28476

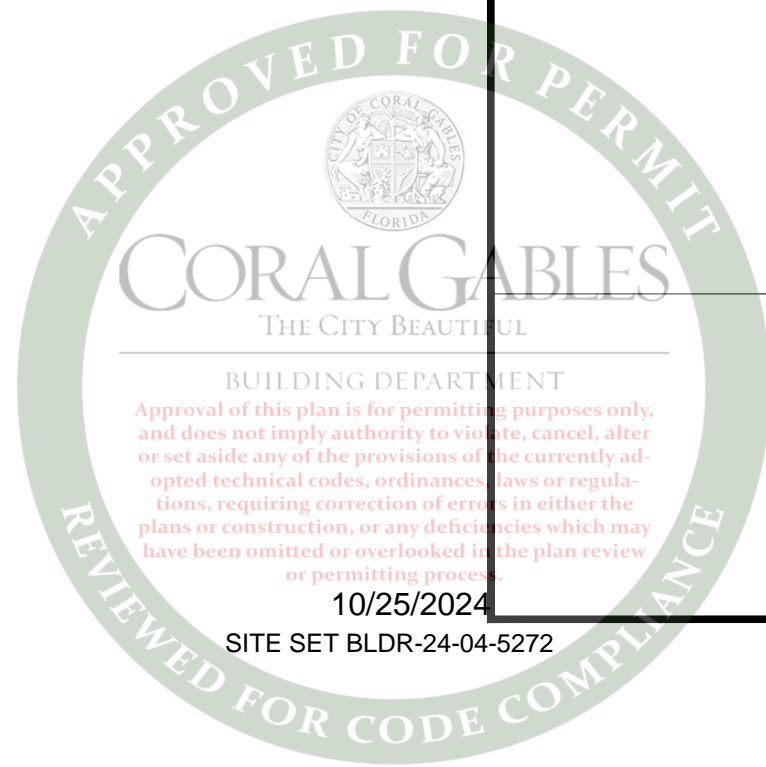
WIMAL SUARIS, P.E.
37389
FLORIDA
PROFESSIONAL ENGINEER

| | |
|-------------|--|
| PHOTOGRAPHS | PROJECT |
| | HARRIS LEVINE RESIDENCE 405 VISCAYA AVENUE, CORAL GABLES, FLORIDA 33134 |
| CLIENT: | PROJECT |
| | PATRIOT WINDOWS & DOORS 6175 NW 167TH STREET MIAMI LAKES, FL 33015 |

| | |
|------------|------------|
| DATE | 03/19/2024 |
| SCALE | N.T.S. |
| DRAWN | AA |
| CHECKED BY | JRO |
| PROJECT | 24-143 |

DRAWING NO.
SD24-143

SHEET
501





1 NORTH
502 SCALE


N.T.S.



DLG ENGINEERING, INC.
BUILDING ENVELOPE CONSULTANTS
5825 Sunset Drive - Suite 300 | South Miami, Florida 33143
P: 305 665-9089 www.dlgengineering.com
F: 305 665-4672 mailing@dlgengineering.com

| REVISIONS | |
|-----------|--|
| | |
| | |
| | |
| | |

WIMAL SUARIS, P.E.
PE# 37369
CA# 28476

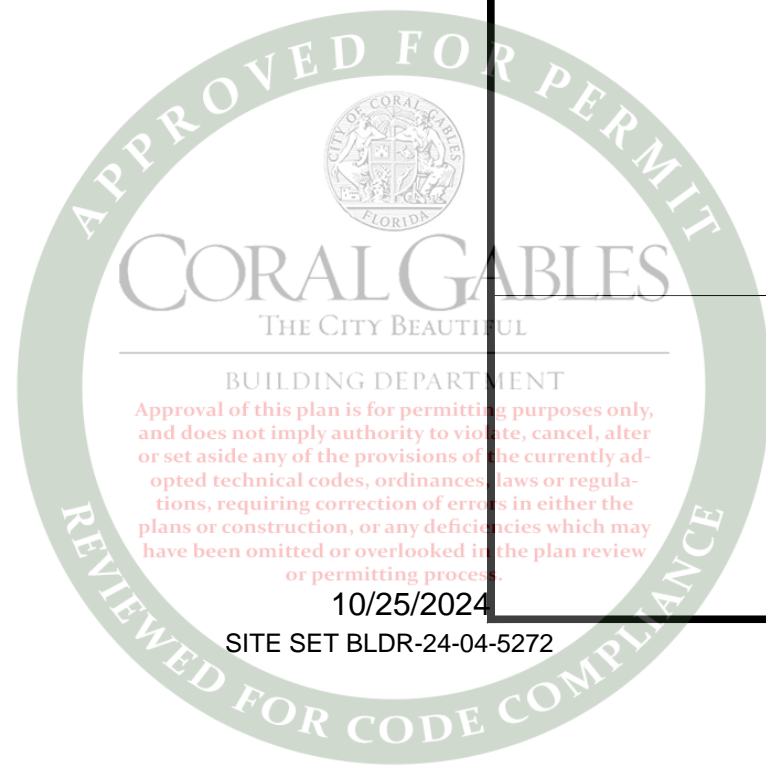


| | |
|-------------|--|
| PHOTOGRAPHS | PROJECT |
| | HARRIS LEVINE RESIDENCE 405 VISCAYA AVENUE, CORAL GABLES, FLORIDA 33134 |
| CLIENT: | PROJECT |
| | PATRIOT WINDOWS & DOORS 6175 NW 167TH STREET MIAMI LAKES, FL 33015 |

| | |
|------------|------------|
| DATE | 03/19/2024 |
| SCALE | N.T.S. |
| DRAWN | AA |
| CHECKED BY | JRO |
| PROJECT | 24-143 |

DRAWING NO.
SD24-143

SHEET
502



HARRIS LEVINE RESIDENCE

405 VISCAYA LEVINE,
CORAL GABLES, FL 33134

PROJECT # 24-143

03/20/2023



PREPARED BY: AA

DLG ENGINEERING, INC.

**5825 SUNSET DRIVE | SUITE 300
SOUTH MIAMI, FLORIDA 33181**

PHONE (305) 665-9089

FAX (305) 665-4672

CA # 0028476



WIMAL SUARIS, P.E.
P.E. # 37369

**Wimal
Suaris**

Digitally signed by Wimal Suaris
DN: cn=Wimal Suaris, c=US, o=DLG
ENGINEERING, INC.
email=psd@dlgengineering.com
Reason: I agree to the specified portions
of this document
Date: 2024.03.29 11:24:57 -0400

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03/20/2024

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| SERIES "5000" ALUMINUM CASEMENT WINDOW – L.M.I. | PA-02 |
| SERIES "EL-150" ALUMINUM FIXED WINDOW - L.M.I. | PA-03 |

****ENGINEERS SEAL COVERS SHEETS: DC-1, WL-1 THRU WL-2**



WIMAL SUARIS, P.E.
P.E. # 37369

Wimal
Suaris

Digitally signed by Wimal Suaris
DN: cn=Wimal Suaris, o=US, o=DLG
ENGINEERING, INC.,
email=rad@dlgengineering.com
Reason: I agree to the specified portions
of this document
Date: 2024.03.29 11:24:35 -0400

DESIGN CRITERIA

HARRIS LEVINE RESIDENCE

03/20/2024

2023 FLORIDA BUILDING CODE

ASCE 7-22

DEFLECTION LIMIT = $L/180$ IN.

ALLOWABLE STRESS OF ALUM WAS CHECKED W/O STRESS INCREASE OF 1/3:

ALUMUNIM: (PER SPEC 2 ALUM DESIGN MANUAL):

ALLOWABLE BENDING STRESS (F_b) (6063-T6) = 15000 PSI

ANCHORS WERE CHECKED W/O THE 1/3 INCREASE

ALL GLASS TO BE AS NOTED AND SPECIFIED ON PRODUCT APPROVALS (NOA)

IMPACT RESISTANT GLAZING:

LARGE MISSILE: UP TO 30 FT. ABOVE GRADE

SMALL MISSILE: ABOVE 30 FT. OF GRADE

SHOP DRAWINGS CHECKED FOR STRUCTURAL REQUIREMENTS ONLY

DLGE WILL NOT PROVIDE A STATEMENT OF INSPECTION OR LETTER OF COMPLIANCE
UNLESS CALLED PRIOR TO INSTALLATION



Calculations Prepared by:

Date: Mar 19, 2024
Designer: Alejandro Arango

Calculations Prepared For:

Client: Patriot Windows & Doors
Project #: 24-143
Location: 405 Viscaya Ave. Coral Gables, FL 33134
Description: Levine Residence

General:

| | | | |
|---------------------------|------------|---------------------------------|--------------|
| Wind Load Standard | = FBC 2023 | Basic Wind Speed | = 175.0 mph |
| Exposure Classification | = C | Risk Category | = II |
| Structure Type | = Building | Design Basis for Wind Pressures | = ASD |
| MWFRS Analysis Method | = None | C&C Analysis Method | = Ch 30 Pt 1 |
| Dynamic Type of Structure | = Rigid | Show Advanced Options | = 0 |

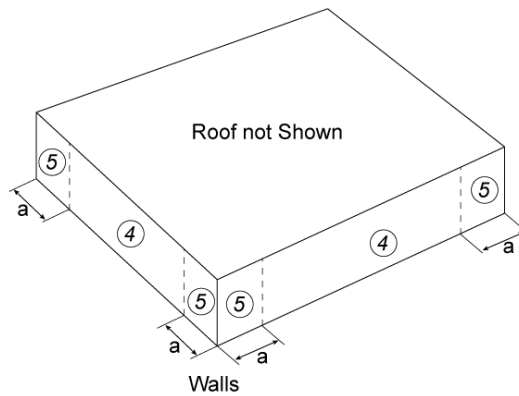
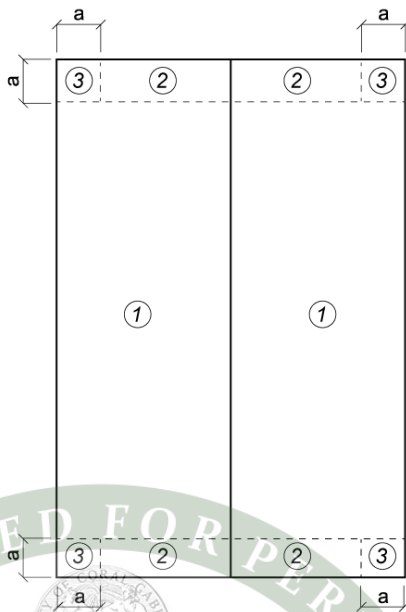
Wind Speed Basis to be used in calculations:

V = Convert to ASD wind speed: $V_{ult} \cdot 0.6^{0.5}$ [Eqn 16-17] = 135.6 mph

Building:

| | | | |
|--|--------------|--|-------------|
| Roof = Roof Type | = Gabled | Encl = Enclosure Classification | = Enclosed |
| Help = Help on Building Roof Type | = Help | Pitch = Pitch of Roof | = 11.56 :12 |
| θ = Slope of Roof | = 43.92 Deg | R _{Ht} = Ridge Height | = 35.000 ft |
| E _{Ht} = Eave Height | = 22.000 ft | W = Building Width | = 27.000 ft |
| L = Building Length | = 120.000 ft | OH = Type of Overhang | = None |
| Par = Parapet | = None | HT _{over} = Override Mean Roof Height | = False |
| HT _{man} = Mean Roof Height | = 28.500 ft | RA _{over} = Override Roof Area | = False |
| GC _{pi_o} = Override GC _{pi} value | = False | IsElev = Building is Elevated | = False |

Components and Cladding (C&C) Wind Loads per Ch 30 Part 1 Roof & Wall



| | | |
|------------|--|-------------|
| h/W | = Ratio of mean roof height to building width | = 1.056 |
| h/L | = Ratio of mean roof height to building length | = 0.238 |
| h | = Mean structure height | = 28.500 ft |
| K_h | = $2.41 \cdot (Z/Z_e)^{2/\alpha}$ | = 0.970 |
| K_{zt} | = No Topographic feature specified | = 1.000 |
| K_d | = Wind Directionality Factor per Tbl 26.6-1 | = 0.85 |
| $+GC_{pi}$ | = Enclosed Positive Internal Pressure Tbl 26.13-1 | = +0.18 |
| $-GC_{pi}$ | = Enclosed Negative Internal Pressure Tbl 26.13-1 | = -0.18 |
| LF | = Load Factor based upon ASD Design | = 0.60 |
| K_e | = Ground Elev Factor [Tbl 26.10-1] | = 1.000 |
| q_h | = $0.00256 \cdot K_h \cdot K_{zt} \cdot K_d \cdot V^2 \cdot LF$ [Eq 26.10-1] | = 45.64 psf |
| LHD | = Least Horizontal Dimension: Min (B, L) | = 27.000 ft |
| a_1 | = Min (0.1 · LHD, 0.4 · h) | = 2.700 ft |
| a | = Max (a_1 , 0.04 · LHD, 3 ft [0.9 m]) | = 3.000 ft |
| h/B | = Ratio of mean roof height to least horizontal dim: h/B | = 1.056 |

10/25/2024

SITE SET BLDR-24-04-5272

Wind Pressures for C&C Ch 30 Pt 1 Roof & Wall
All wind pressures include a Load Factor (LF) of 0.6

WL-2

| Description | Zone | Width ft | Span ft | Area ft ² | 1/3 Rule | Figure | GCp Max | GCp Min | p Max psf | p Min psf |
|-------------|------|-------------|------------|-------------------------|-------------|--------|------------|------------|-----------------|-----------------|
| Zone 4 | 4 | 1.000 | 1.000 | 1.00 | No | 30.3-1 | 1.000 | -1.100 | 45.78 | -49.66 |
| Zone 5 | 5 | 1.000 | 1.000 | 1.00 | No | 30.3-1 | 1.000 | -1.400 | 45.78 | -61.30 |

Area = Span Length x Effective Width

1/3 Rule = Effective width need not be less than 1/3 of the span length

GCp = External Pressure Coefficients taken from Figures 30.3-1 through 30.3-7

p = Wind Pressure: $q_h \cdot K_d \cdot [GC_p - GC_{pi}]$ [Eq 30.3-1]

* Per § 30.2.2 the Minimum Pressure for C&C is 9.60 psf [0.460 kPa] {Includes LF}



CITY OF CORAL GABLES HISTORIC PRESERVATION CERTIFICATE OF APPROPRIATENESS

SITE ADDRESS/LOCATION: 405 Viscaya Avenue

LEGAL DESCRIPTION: Portion of Lots 10 & 11, Block 4, The French Village, PB
29-71

CASE FILE NUMBER: COA (ST) 2024-114

CERTIFICATE TYPE: ☒ STANDARD ☐ SPECIAL

DECISION BY: ☒ STAFF
☐ HISTORIC PRESERVATION BOARD

ACTION DATE: October 21, 2024

ACTION: ☐ APPROVE ☐ DENY
☒ APPROVE W/CONDITIONS

Conditions: AS PER APPROVED DRAWINGS, GLASS TO BE CLEAR /
NO TINT / NO REFLECTIVITY

EXPIRATION DATE: October 21, 2026

BUILDING DEPARTMENT

Kara Kautz
PRINT NAME

Assistant Historic Preservation Officer

TITLE

SIGNATURE

October 21, 2024

DATE

HISTORICAL RESOURCES & CULTURAL ARTS DEPARTMENT - 2327 SALZEDO STREET, CORAL GABLES, FLORIDA 33134

10/25/2024

SITE SET BLDR-24-04-5272



Historical Resources &
Cultural Arts

2327 SALZEDO STREET
CORAL GABLES
FLORIDA 33134

☎ 305-460-5093
✉ hist@coralgables.com

October 21, 2024

Harris Levine and Kamila Przytula
405 Viscaya Avenue
Coral Gables, FL 33134

Re: Certificate of Appropriateness

Dear Mr. Levine and Ms. Przytula:

This letter is to confirm the results of the review by the Historical Resources Department. On October 21, 2024, an application for a Standard Certificate of Appropriateness was approved by the Historical Resources and Cultural Arts Department for the installation of impact-resistant windows on the property at 405 Viscaya Avenue, a Contributing Resource within the "French Normandy Village Historic District." Because the work does not significantly alter the character of the existing historic structure, the matter was deemed appropriate for administrative review.

The proposed work does not destroy or detract from the integrity of the historic building, and is minimal in impact, which is entirely consistent with the Secretary of the Interior's Standards for Rehabilitation. Therefore, a Standard Certificate of Appropriateness is issued.

Please be advised that any changes or alterations to the approved plans will need to be submitted to this office for a revision to the Certificate of Appropriateness. Should you have any questions regarding this matter please do not hesitate to contact the office.

Sincerely,


Kara N. Kautz
Assistant Historic Preservation Officer

Enclosed: Certificate of Appropriateness

cc: File COA (ST) 2024-114

Cesar Garcia-Pons, Chairman, Historic Preservation Board

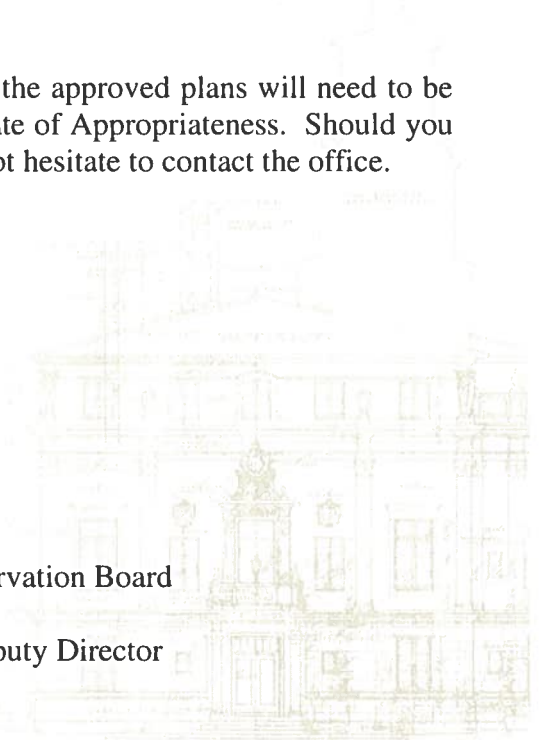
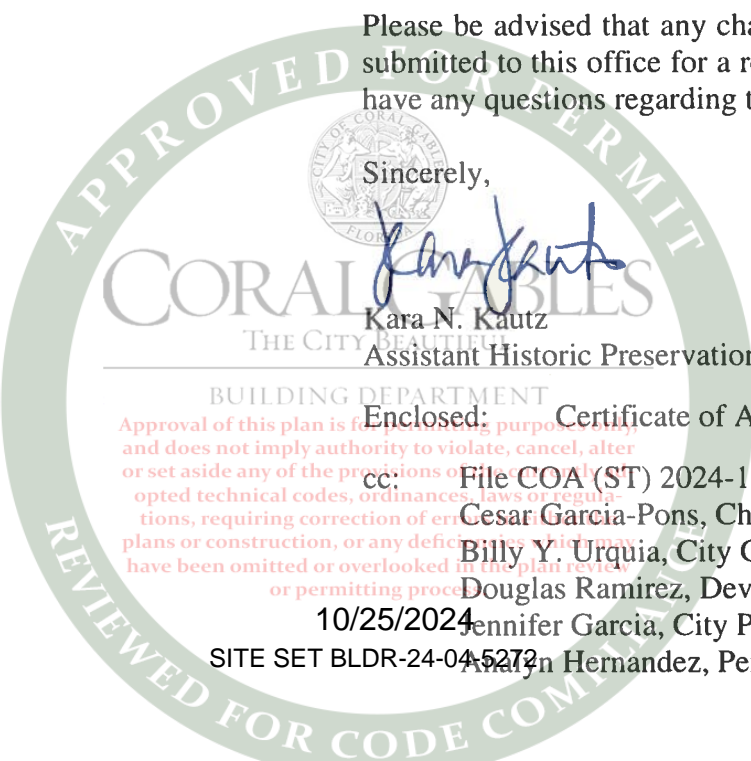
Billy Y. Urquia, City Clerk

Douglas Ramirez, Development Services Deputy Director

Jennifer Garcia, City Planner

10/25/2024
Anahí Hernandez, Permit Clerk Supervisor

SITE SET BLDR-24-045272

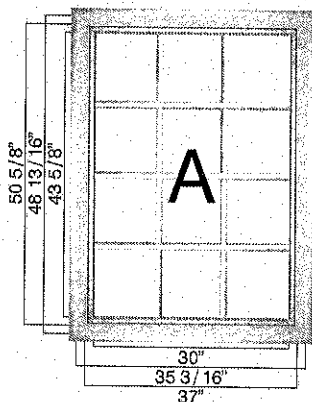


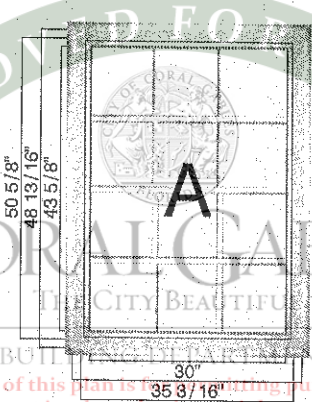
PATRIOT
WINDOWS
AND DOORS,
LLC



PROPOSAL NUMBER
496037
PROPOSAL NAME
Harris Levine
EXTERNAL PURCHASE ORDER ID
Harris Levine

QUOTE ITEMS

| LINE NUM | LINE NAME | ASSEMBLY SYSTEM | ASSEMBLY | TOTAL QUANTITY |
|--|--------------------------------|--|------------|----------------|
| 1 | FRONT DOWNSTAIRS/ BABY ROOM | ES-5000 - CASEMENT | MULTIPOINT | 4 |
|  | | | | |
| SIZE | | 37" X 50 5/8" | | |
| AREA | | 13.01 FT ² | | |
| FINISH | | AAMA 2604 BRONZE | | |
| GLASS | | 1/8" CLEAR HS SB70 + 0.09 PVB CLEAR + 1/8" CLEAR HS | | |
| SCREEN | | YES | | |
| MUNTINS | | YES | | |
| OPENING | | RIGHT OPENING (XR) | | |
| FRAME TYPE | | FLANGE | | |
| LIMIT | | NO | | |
| DEVICE | | NO | | |
| PROTECTIVE | | NO | | |
| FILM | | NO | | |
| LOCKING | | MULTIPOINT LOCK | | |
| MECHANISM | | MULTIPOINT LOCK | | |
| PRE-GLAZED? | | YES | | |
| FBC CERTIFICATION | | | | |
| INTERNAL PSF | | EXTERNAL PSF | | |
| 85.00 | | 85.00 | | |
| CODE | | FL-41000.1 | | |
| NFRC CERTIFICATION | | | | |
| U FACTOR | | SHGC | VT | |
| 1.05 | | 0.29 | 0.40 | |
| MUNTIN DETAILS | | | | |
| PANEL | | A | | |
| PATTERN | | GRID | | |
| LITES ACROSS | | 3 | | |
| LITES DOWN | | 4 | | |
| INTERNAL STYLE | | ES1014 | | |
| EXTERNAL STYLE | | ES1014 | | |

| | | | | |
|---|--------|--|------------|---|
| 2 | MASTER | ES-5000 - CASEMENT | MULTIPOINT | 2 |
|  | | | | |
| SIZE | | 37" X 50 5/8" | | |
| AREA | | 13.01 FT ² | | |
| FINISH | | AAMA 2604 BRONZE | | |
| GLASS | | 1/8" CLEAR HS SB70 + 0.09 PVB CLEAR + 1/8" CLEAR HS | | |
| SCREEN | | YES | | |
| MUNTINS | | YES | | |
| OPENING | | RIGHT OPENING (XR) | | |
| FRAME TYPE | | FLANGE | | |
| LIMIT | | NO | | |
| DEVICE | | NO | | |
| PROTECTIVE | | NO | | |
| FILM | | NO | | |
| LOCKING | | MULTIPOINT LOCK | | |
| MECHANISM | | MULTIPOINT LOCK | | |
| PRE-GLAZED? | | YES | | |
| FBC CERTIFICATION | | | | |
| INTERNAL PSF | | EXTERNAL PSF | | |
| 85.00 | | 85.00 | | |
| CODE | | FL-41000.1 | | |
| NFRC CERTIFICATION | | | | |
| U FACTOR | | SHGC | VT | |
| 1.05 | | 0.29 | 0.40 | |
| MUNTIN DETAILS | | | | |
| PANEL | | A | | |
| PATTERN | | GRID | | |
| LITES ACROSS | | 3 | | |
| LITES DOWN | | 4 | | |
| INTERNAL STYLE | | ES1014 | | |
| EXTERNAL STYLE | | ES1014 | | |

Approval of this plan is for informational purposes only and does not imply author or reviewer has the authority to alter or set aside any of the provisions of the current applicable technical codes; ordinances, laws or regulations, requiring correction of errors in either the plans or construction, or any deficiencies which may have been omitted or overlooked in the plan review or permitting process.

10/25/2024

SITE SET BLDR-24-04-5272

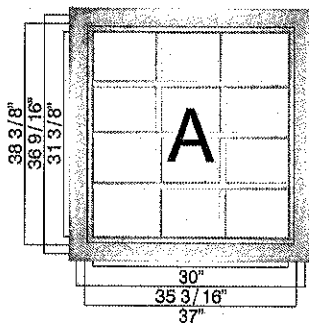
REVIEWED FOR CODE COMPLIANCE

3 FRONT LEFT

ES-5000 -
CASEMENT

MULTIPOINT

1



SIZE 37" X 38 3/8"
AREA 9.86 FT²
FINISH AAMA 2604 BRONZE
GLASS 1/8" CLEAR HS SB70 + 0.09 PVB
 CLEAR + 1/8" CLEAR HS
SCREEN YES
MUNTINS YES
OPENING RIGHT OPENING (XR)
FRAME TYPE FLANGE
LIMIT NO
DEVICE NO
PROTECTIVE NO
FILM NO
LOCKING MULTIPOINT LOCK
MECHANISM
PRE-GLAZED? YES

FBC CERTIFICATION

| INTERNAL PSF | EXTERNAL PSF |
|--------------|--------------|
| 85.00 | 85.00 |
| CODE | FL-41000.1 |

NFRC CERTIFICATION

| U FACTOR | SHGC | VT |
|----------|------|------|
| 1.05 | 0.29 | 0.40 |

MUNTIN DETAILS

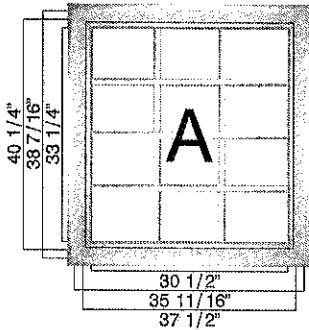
| | |
|----------------|--------|
| PANEL | A |
| PATTERN | GRID |
| LITES ACROSS | 3 |
| LITES DOWN | 4 |
| INTERNAL STYLE | ES1014 |
| EXTERNAL STYLE | ES1014 |

4 IN GATE MIDDLE

ES-5000 -
CASEMENT

MULTIPOINT

1



SIZE 37 1/2" X 40 1/4"
AREA 10.48 FT²
FINISH AAMA 2604 BRONZE
GLASS 1/8" CLEAR HS SB70 + 0.09 PVB
 CLEAR + 1/8" CLEAR HS
SCREEN YES
MUNTINS YES
OPENING RIGHT OPENING (XR)
FRAME TYPE FLANGE
LIMIT NO
DEVICE NO
PROTECTIVE NO
FILM NO
LOCKING MULTIPOINT LOCK
MECHANISM
PRE-GLAZED? YES

FBC CERTIFICATION

| INTERNAL PSF | EXTERNAL PSF |
|--------------|--------------|
| 85.00 | 85.00 |
| CODE | FL-41000.1 |

NOA CERTIFICATION

| INTERNAL PSF | EXTERNAL PSF |
|--------------|--------------|
| 85.00 | 85.00 |
| CODE | 20-0915.02 |

NFRC CERTIFICATION

| U FACTOR | SHGC | VT |
|----------|------|------|
| 1.05 | 0.29 | 0.40 |

MUNTIN DETAILS

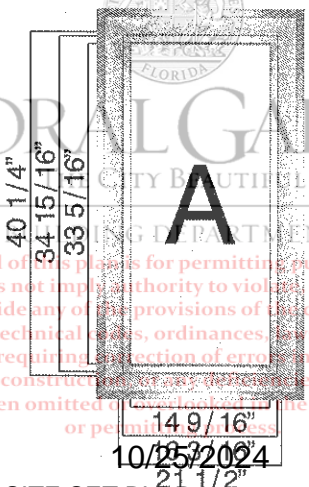
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|----------------|--------|
| PANEL | A |
| PATTERN | GRID |
| LITES ACROSS | 3 |
| LITES DOWN | 4 |
| INTERNAL STYLE | ES1014 |
| EXTERNAL STYLE | ES1014 |

5 GATE LEFT (WIDTH REST)

ES-5100 - FIXED
CASEMENT

0

1



SIZE 37 1/2" X 40 1/4"
AREA 6.01 FT²
FINISH AAMA 2604 BRONZE
GLASS 5/32" CLEAR HS + 0.09 PVB
 CLEAR + 1/8" CLEAR HS
MUNTIN NO
FRAME TYPE FLANGE
PROTECTIVE EXTERIOR
FILM
PRE-GLAZED? YES

FBC CERTIFICATION

| INTERNAL PSF | EXTERNAL PSF |
|--------------|--------------|
| 90.00 | 90.00 |
| CODE | FL15976 |

NOA CERTIFICATION

| INTERNAL PSF | EXTERNAL PSF |
|--------------|--------------|
| 90.00 | 90.00 |
| CODE | 23-0724.08 |

NFRC CERTIFICATION

| U FACTOR | SHGC | VT |
|----------|------|------|
| 1.01 | 0.60 | 0.68 |

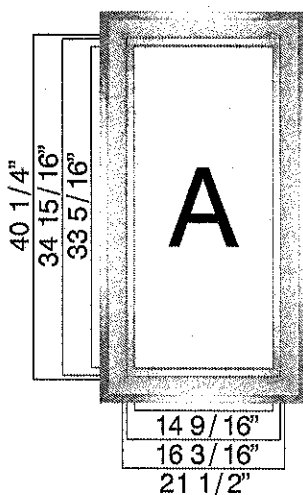
SITE SET BLDR-24-04-5272

6 GATE RIGHT (WIDTH
REST)

ES-5100 - FIXED
CASEMENT

0

1



SIZE 21 1/2" X 40 1/4"
AREA 6.01 FT²
FINISH AAMA 2604 BRONZE
GLASS 5/32" CLEAR HS + 0.09 PVB
CLEAR + 1/8" CLEAR HS
MUNTIN NO
FRAME TYPE FLANGE
PROTECTIVE
FILM EXTERIOR
PRE-GLAZED? YES

FBC CERTIFICATION

INTERNAL PSF EXTERNAL PSF
90.00 90.00
CODE FL15976

NOA CERTIFICATION

INTERNAL PSF EXTERNAL PSF
90.00 90.00
CODE 23-0724.08

NFRC CERTIFICATION

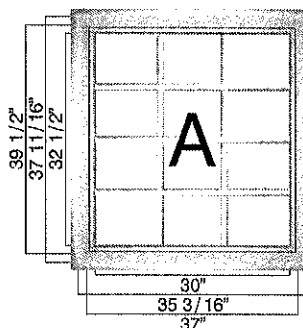
U FACTOR SHGC VT
1.01 0.60 0.68

7 KITCHEN

ES-5000 -
CASEMENT

MULTIPOINT

1



SIZE 37" X 39 1/2"
AREA 10.15 FT²
FINISH AAMA 2604 BRONZE
GLASS 1/8" CLEAR HS + 0.09 PVB CLEAR
+ 1/8" CLEAR HS
SCREEN YES
MUNTINS YES
OPENING RIGHT OPENING (XR)
FRAME TYPE FLANGE
LIMIT
DEVICE NO
PROTECTIVE
FILM NO
LOCKING
MECHANISM MULTIPOINT LOCK
PRE-GLAZED? YES

FBC CERTIFICATION

INTERNAL PSF EXTERNAL PSF
85.00 85.00
CODE FL-41000.1

MUNTIN DETAILS

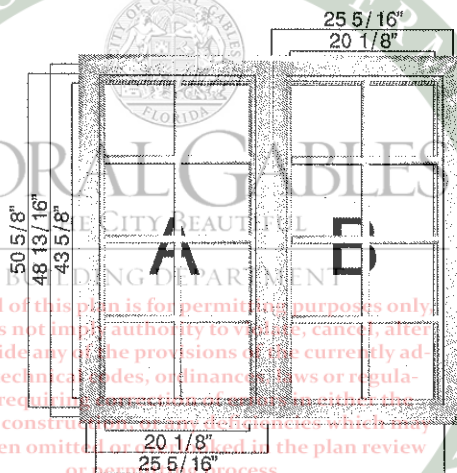
PANEL A
PATTERN GRID
LITES ACROSS 3
LITES DOWN 4
INTERNAL STYLE ES1014
EXTERNAL STYLE ES1014

8 BACK YARD

ES-5000 -
CASEMENT

XX -
MULTIPOINT

2



SIZE 53" X 50 5/8"
AREA 18.63 FT²
FINISH AAMA 2604 BRONZE
GLASS 1/8" CLEAR HS + 0.09 PVB CLEAR
+ 1/8" CLEAR HS
SCREEN YES
MUNTINS YES
FRAME TYPE FLANGE
LIMIT
DEVICE NO
PROTECTIVE
FILM NO
LOCKING
MECHANISM MULTIPOINT LOCK
PRE-GLAZED? YES

FBC CERTIFICATION

INTERNAL PSF EXTERNAL PSF
85.00 85.00
CODE FL-41000.1

NOA CERTIFICATION

INTERNAL PSF EXTERNAL PSF
85.00 85.00
CODE 20-0915.02

MUNTIN DETAILS

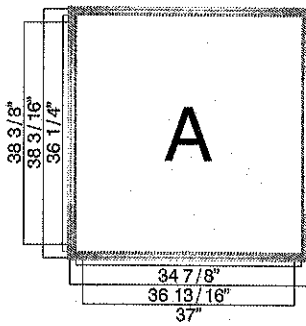
PANEL A, B
PATTERN GRID
LITES ACROSS 2
LITES DOWN 4
INTERNAL STYLE ES1014
EXTERNAL STYLE ES1014

10/25/2024
SITE SET BLDR-24-04-5272

9 2ND FLOOR BATH

ES-EL150 - FIXED
WINDOW

1



SIZE 37" X 38 3/8"
AREA 9.86 FT²
FINISH AAMA 2604 BRONZE
GLASS 3/16" CLEAR HS + 0.09 PVB
 CLEAR + 3/16" CLEAR HS
MUNTIN NO
FRAME TYPE FLANGE
PROTECTIVE
FILM EXTERIOR
PRE-
GLAZED? YES

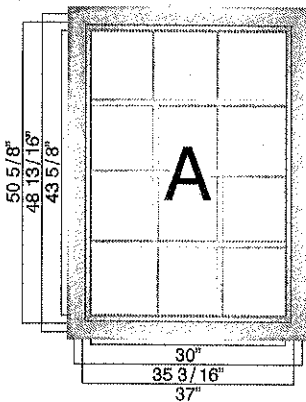
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CODE FL 21461.1

NOA CERTIFICATION
 INTERNAL PSF EXTERNAL PSF
 80.00 80.00
CODE 22-0105.01

NFRC CERTIFICATION
 U FACTOR SHGC VT
 1.02 0.65 0.75

10 2ND FLOOR
STAIRSES-5000 -
CASEMENT

1



SIZE 37" X 50 5/8"
AREA 13.01 FT²
FINISH AAMA 2604 BRONZE
GLASS 1/8" CLEAR HS + 0.09 PVB CLEAR
 + 1/8" CLEAR HS
SCREEN YES
MUNTINS YES
OPENING RIGHT OPENING (XR)
FRAME TYPE FLANGE
LIMIT
DEVICE NO
PROTECTIVE
FILM NO
LOCKING
MECHANISM MULTIPOINT LOCK
PRE-
GLAZED? YES

FBC CERTIFICATION
 INTERNAL PSF EXTERNAL PSF
 85.00 85.00
CODE FL-41000.1

MUNTIN DETAILS
 PANEL A
 PATTERN GRID
 LITES ACROSS 3
 LITES DOWN 4
 INTERNAL STYLE ES1014
 EXTERNAL STYLE ES1014

11 BABY CLOSET

ES-EL150 - FIXED
WINDOW

1



SIZE 18" X 38 3/8"
AREA 4.80 FT²
FINISH AAMA 2604 BRONZE
GLASS 3/16" CLEAR HS + 0.09 PVB
 CLEAR + 3/16" CLEAR HS
MUNTIN YES
FRAME TYPE FLANGE
PROTECTIVE
FILM EXTERIOR
PRE-
GLAZED? YES

FBC CERTIFICATION
 INTERNAL PSF EXTERNAL PSF
 81.10 81.10
CODE FL 21461.1

NOA CERTIFICATION
 INTERNAL PSF EXTERNAL PSF
 80.00 80.00
CODE 22-0105.01

NFRC CERTIFICATION
 U FACTOR SHGC VT
 1.02 0.65 0.75

MUNTIN DETAILS
 PANEL A
 PATTERN GRID
 LITES ACROSS 2
 LITES DOWN 4
 INTERNAL STYLE ES1014
 EXTERNAL STYLE ES1014

PRODUCT TOTALS

10/25/2024
 SITE SET BLDG-24-04-5272

\$13,515.90

| | |
|--------------------|-------------|
| TAX RATE | 0.00% |
| TAX AMOUNT | \$0.00 |
| TERMS AND SERVICES | |
| INSTALLATION PRICE | \$5,200.00 |
| PERMIT PRICE | \$1,200.00 |
| MISCELLANEOUS | \$0.00 |
| TOTALS | |
| TOTAL | \$19,915.90 |

- Payment #1 50% Deposit- Required prior to order/final measurement
- Payment #2 40% Balance Due on or before DELIVERY
- Payment #3 10% Balance Due on or before final inspection
- All major credit cards accepted (Credit card fee: 4% of total order)
- **** No Return/Cancellation once Dealer has ordered materials

INCLUDED:

- Job site delivery
- Removal and disposal of existing window(s) and or door(s)
- Re-bucking of openings as needed -- including buck material (residential customers only)
- Professional installation of new window(s) and or door(s)
- Protection of interior and exterior of work areas from unreasonable dust and debris
- Minor drywall and stucco repair

NOT INCLUDED:

- Permit Runner Expediting Fee, Engineering Services/Engineering Costs
- Final cleaning of glass
- Painting of windows, doors, stucco, trim or drywall
- Removal, replacement or installation of window treatment, drapes, blinds, window coverings
- Wind load calculation/Engineering: (\$1,200.00) -- Due with Deposit.
- City/County permit application Fees (to be reimbursed to Dealer)
- Shop Drawings - available upon request (TBD)
- Disconnection or reconnection of security system - available upon request (TBD)
- Interior door casings - available upon request (TBD)

ADDITIONAL TERMS:

- Dealer has the absolute discretion to cancel a job in the event the work conditions at the Job Address are not acceptable to Dealer, including but not limited to restrictions on access to the Job Address during regular business hours and Customer's display of disrespect or contempt towards Dealer's employees/agents/subcontractors. In the event of such cancellation, Dealer agrees to refund to Customer any portion of the Deposit not applied towards the purchase of materials.
- In the event the Job Address is governed by a Homeowner's or Condominium Association, Dealer will not order materials until the Association approves the job.
- In the event a permit or regulatory approval is required by a local municipality/county government, Dealer will not order materials under the required permit is issued.
- Any work order changes involving this job shall be in writing, signed by both parties.
- In the event that performance of the job is prevented, restricted, or interfered with by causes beyond Dealer's reasonable control ("Force Majeure"), then Dealer's obligations shall be suspended to the extent necessary by such event. The term Force Majeure shall include, without limitation, acts of God, storm, hurricane, vandalism, fire, explosion, work stoppages or supplier failures.
- Customer's failure to timely make payment on the due date shall be deemed a material breach, which shall permit Dealer to cancel this agreement or suspend work on the job until such time as all payments due have been made. Customer agrees to pay a late charge of 15% of all payments that are more than five (5) days late.

This agreement shall be interpreted and governed in accordance with the laws of the State of Florida. If any party to this agreement brings a cause of action against the other party arising from or relating to the job (including payment under this agreement), the prevailing party in such legal proceeding shall be entitled to recover reasonable attorneys' fee and costs.

Thank you for the opportunity to work with you. Please sign and return copy of this agreement to confirm acceptance of job, terms and conditions. Once a signed copy is received, we will schedule job commencement in accordance with arrival of window(s)/door(s).

Accepted By: Hamm Date: 4/26/24
 have been omitted or overlooked in the plan review or permitting process.

10/25/2024

SITE SET BLDR-24-04-5272

CERTIFICATE OF APPROPRIATENESS
APPLICATION
CITY OF CORAL GABLES - HISTORICAL RESOURCES AND CULTURAL ARTS DEPARTMENT

1.

405 VISCAYA AVE

| | | | |
|--|------------------------------------|------------------------|------------|
| Building Address | Historic name of building (if any) | District Name (if any) | |
| THE FRENCH VILLAGE PB 29- 4 | | | |
| Legal Description: Lot(s) | Block(s) | Section | |
| HARRIS LEVINE & KAMILA PRZ 9700 67 AVE PINECREST | | 3056097531 | |
| Owner's Name | Street Address | Zip Code | Phone No. |
| (Required) e-mail: harris.levine@gmail.com | | | |
| YANAY GONZALEZ | 14795 SW 178TH TER MIA | | 7869850174 |
| Applicant's Name | Street Address | Zip Code | Phone/Fax |
| (Required) e-mail: citypermittingervices@gmail.com | | | |
| PATRIOT WINDOWS AND DOO | 6073 NW 167TH ST C15 MI | | 3052065292 |
| Contractor Arch./Engineer's Name | Street Address | Zip Code | Phone/Fax |
| (Required) e-mail: brandon@patriotwindowsdoors.com | | | |

2.

PLEASE INDICATE THE CATEGORY WHICH DESCRIBES THE PROPOSED WORK:

| | | | |
|---|---|-----------------------------------|---|
| <input checked="" type="checkbox"/> Minor Alterations | <input type="checkbox"/> New Construction | <input type="checkbox"/> Addition | <input type="checkbox"/> Rehabilitation |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Other: | | |

3.

Will the work proposed require a variance from the Zoning Code?

☒ NO ☐ YES, from section(s) Attach the requested variance language to this form

4.

Has this property been qualified as a Coral Gables Cottage? ☐ NO ☐ YES (attach a copy of qualification sheet)

5.

This request is: ☒ new ☐ result of a violation ☐ a revision to a previous submittal ☐ a revision to a previously approved COA
Case File: Case File:

6.

WORK PROPOSED: Brief narrative of work to be performed.
NEW 16 WINDOWS

7.

Variance requests require a processing fee. Payment must be included with the application. Please make check payable to the City of Coral Gables. Applications for ad valorem tax relief must be filed on a separate application form prior to construction.

8.

The following supplementary information (where applicable) shall be provided:*

| | | | |
|--|---|--|--|
| <input checked="" type="checkbox"/> Site Plan (with dimensions) Before/After | <input type="checkbox"/> Floor Plan(s) (with dimensions) Before/After | <input type="checkbox"/> Elevations(s) (with dimensions) Before/After | <input type="checkbox"/> Mailing list & 3 sets of labels VARIANCES/DEMOLITIONS |
| <input checked="" type="checkbox"/> Photos Labeled 2 per page | <input type="checkbox"/> Survey (5 yrs or younger) Board review (1 Orig + 16 copies) Non-Board (1 original) | <input type="checkbox"/> Color/Material Sample Board review (16 swatches) Non-Board review (1 set) | <input type="checkbox"/> Letter of Intent Board review (16 copies) Non-Board review (1 copy) |
| <input type="checkbox"/> Copy of Board of Architects Comments/Recommendations | <input type="checkbox"/> CD/USB with electronic copies of submittal items | <input type="checkbox"/> Fee variance or violations only | <input type="checkbox"/> PowerPoint <input type="checkbox"/> Other on CD/USB |

- Application will not be scheduled for a hearing unless received in completed form by the established due date (subject to staff review).
- Applications will be accepted only when a completed application form is submitted together with the necessary supplemental materials.
- All drawings & supporting information must be collated into the correct number of packets and clearly labeled.
- Applicant or his/her representative **MUST** attend hearing and present his/her proposal to the Board.
- Board of Architects recommendation **MUST** be obtained prior to the submission of any Certificate of Appropriateness application.
- The Historic Preservation Board will act on completed applications only. Decisions made by the Board may be appealed to the City Commission no later than **10 days** after the ruling is made. If there is no appeal or Commission action, the Historic Preservation Board decision shall be final.

9.

I, HARRIS LEVINE, as Owner of Lot(s) LOT 10 & 11
(Print Owner's Name)

Block(s) 4, Section _____ do hereby authorize the

filing of this application. 5/23/2024
(Owner's Signature) (Date)

My signature affirms and certifies that I/we understand and will comply with the provisions and regulations of the City of Coral Gables Historic Preservation Ordinance as amended from time to time. It further certifies that any statements made in the application, documents attached to the application, and plans submitted herewith are true to the best of my/our knowledge and belief. Further, I/we understand that the application, attachments and fees become part of the Official Records of the Historical Resources and Cultural Arts Department and are not returnable. The above signed consents to inspection and photographing of the subject property by the Historic Preservation staff for purposes of consideration of this application and/or presentation to the Historic Preservation Board. Applicants seeking approval of alterations, demolitions and/or new construction acknowledge that the City may erect signs on the subject property, which state the proposed action and the date of the Historic Preservation Board meeting.

Approval of this plan is for permitting purposes only, and does not constitute authority to demolish, alter, or set aside any of the provisions of the currently adopted technical code, ordinance, or regulations, requested correction of errors in either the plans or construction, or any deficiencies which may have been omitted or overlooked in the plan review.

DATE RECEIVED:

CASE FILE:

POTENTIAL HPB MEETING:

CITY OF CORAL GABLES
HISTORICAL RESOURCES &
CULTURAL ARTS DEPARTMENT
2327 SALZEDO STREET, 2ND FLOOR
CORAL GABLES, FLORIDA 33134
Phone: (305) 460-5093 Fax: (305) 460-5097
e-mail: HIST@coralgables.com

* A drawing set must include a site plan, floor plan(s), and elevations of all facades with sufficient dimensions to conduct a preliminary Zoning Analysis. The purpose of the preliminary Zoning Analysis is to identify possible variances and is not intended to replace any review required as part of the permitting process. The drawings must illustrate the existing conditions and the proposed changes separately. Contextual drawings or photographs of the neighboring properties must also be included. The Department staff may request additional information as needed. Requests for Special Certificates of Appropriateness for demolition and/or that require variance(s) must include a certified mailing list, a map, and three sets of mailing labels (1000-foot radius) and the required fee. * It is the responsibility of the applicant to provide sufficient illustrations to convey the intended scope of work.



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/building

E.S. Windows, LLC
3550 NW 49th Street
Miami, FL 33142

PA-01

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 "5100 Fixed Casement" Aluminum Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W11-15**, titled "Series 5100 Aluminum Fixed Wdw. (L.M.I.)", sheets 1 through 7 of 7, dated 03/22/11, with revision **H** dated 07/14/23, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control 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, **Barranquilla, Colombia**, 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 **NOA No. 20-1116.01** 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 10/25/2024

SITE SET BLDR-24-04-5272

9/13/23

NOA No. 23-0724.08

Expiration Date: September 22, 2026

Approval Date: September 21, 2023

Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA No. 11-0531.09)
2. Drawing No. **W11-15**, titled "Series 5100 Aluminum Fixed Wdw. (L.M.I.)", sheets 1 through 7 of 7, dated 03/22/11, with revision **G** dated 11/05/20, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
(Submitted under NOA No. 20-1116.01)

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 an aluminum fixed casement window, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-6294** and **FTL-6295**, dated 02/25/11 and 03/16/11 respectively, both signed and sealed by Marlin D. Brinson, P.E.
(Submitted under NOA No. 11-0531.09)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 5th Edition (2014)** and **FBC 6th Edition (2017)**, dated 10/28/14 and 10/06/17, and further updated on 07/24/20 to comply with **FBC 7th Edition (2020)**, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
(Submitted under NOA No. 20-1116.01)

D. QUALITY ASSURANCE

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

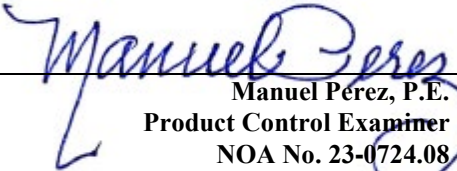
E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **19-0305.02** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**" dated 05/09/19, expiring on 07/08/24.
2. Notice of Acceptance No. **18-0725.11** issued to **Kuraray America, Inc.** for their "**Kuraray SentryGlas® Xtra™ (SGX™) Clear Glass Interlayer**" dated 05/23/19, expiring on 05/23/24.

Approval of this plan is for permitting purposes only, and does not imply authority to violate, cancel, alter or set aside any of the provisions of the currently adopted technical codes, ordinances, laws or regulations, requiring correction of errors in either the plans or construction, or any deficiencies which may have been omitted or overlooked in the plan review or permitting process.

10/25/2024

SITE SET BLDR-24-04-5272


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0724.08
Expiration Date: September 22, 2026
Approval Date: September 21, 2023

E.S. Windows, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED


1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)
F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 6th Edition (2017)**, with **FBC 7th Edition (2020)**, and of no financial interest, dated November 16, 2020, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
(Submitted under NOA No. 20-1116.01)
2. Laboratory compliance letter for Test Reports No. **FTL-6294** and **FTL-6295**, issued by Fenestration Testing Laboratory, Inc., dated 02/25/11 and 03/16/11 respectively, both signed and sealed by Marlin D. Brinson, P.E.
(Submitted under NOA No. 11-0531.09)
3. Proposal No. **10-0505** issued by Product Control, dated 06/29/10, signed by Manuel Perez, P.E.
(Submitted under NOA No. 11-0531.09)
4. Distributor Agreement between, E.S. Windows – Energia Solar S.A., Barranquilla, Colombia and E.S. Windows, LLC, Miami, Florida, U.S.A., dated 10/20/10, signed by Carla Garcia Torrente and by Andres Chamorro, respectively.
(Submitted under NOA No. 11-0531.09)

G. OTHERS

1. Notice of Acceptance No. **18-0116.05**, issued to E.S. Windows, LLC for their Series “5100 Fixed Casement” Aluminum Fixed Window – L.M.I., approved on 02/22/18 and expiring on 09/22/21.




Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0724.08
Expiration Date: September 22, 2026
Approval Date: September 21, 2023

E.S. Windows, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **W11-15**, titled “Series 5100 Aluminum Fixed Wdw. (L.M.I.)”, sheets 1 through 7 of 7, dated 03/22/11, with revision **H** dated 07/14/23, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

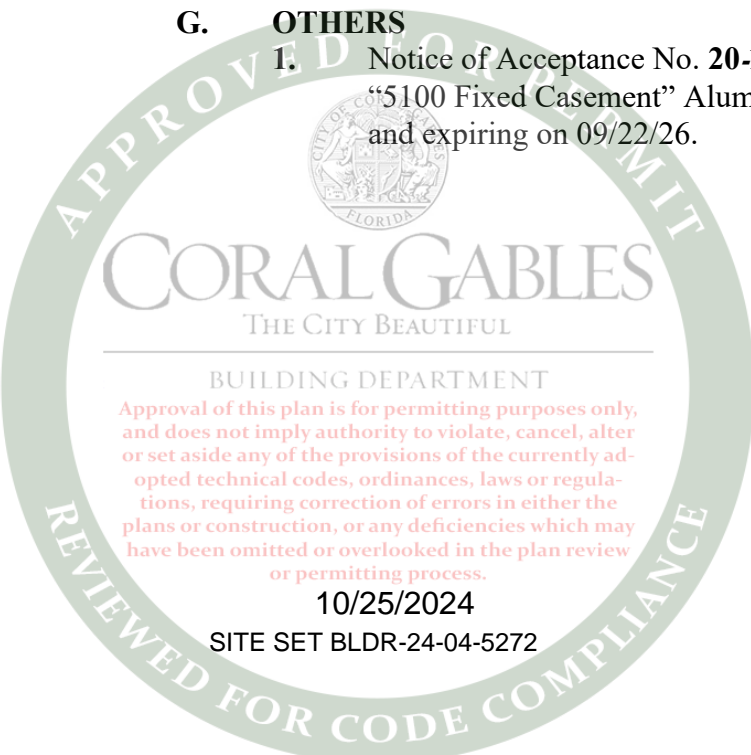
1. Notice of Acceptance No. **20-0915.22** issued to **Kuraray America, Inc.** for their “**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**” dated 11/19/20, expiring on 07/08/24.
2. Notice of Acceptance No. **22-1116.01** issued to **Kuraray America, Inc.** for their “**SentryGlas® (Clear and White) Glass Interlayers**” dated 12/15/22, expiring on 07/04/28.

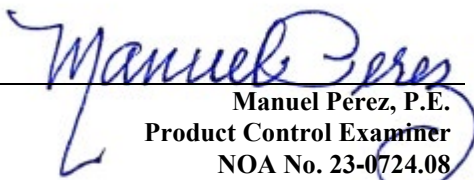
F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 7th Edition (2020)**, with **FBC 8th Edition (2023)**, and of no financial interest, dated July 14, 2023, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

G. OTHERS

1. Notice of Acceptance No. **20-1116.01**, issued to E.S. Windows, LLC for their Series “**5100 Fixed Casement**” Aluminum Fixed Window – L.M.I., approved on 02/04/21 and expiring on 09/22/26.




Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0724.08
Expiration Date: September 22, 2026
Approval Date: September 21, 2023

SERIES 5100
ALUMINUM FIXED WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEETS 2.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF FIX./FIX. OR FIXED WITH SERIES 5000 CASEMENT WINDOWS USING MULLIONS IN BETWEEN. LOWER DESIGN PRESSURE FROM CASEMENT WINDOW, FIXED WINDOW OR MULLION CHART WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2020 (7TH EDITION)/2023 (8TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.

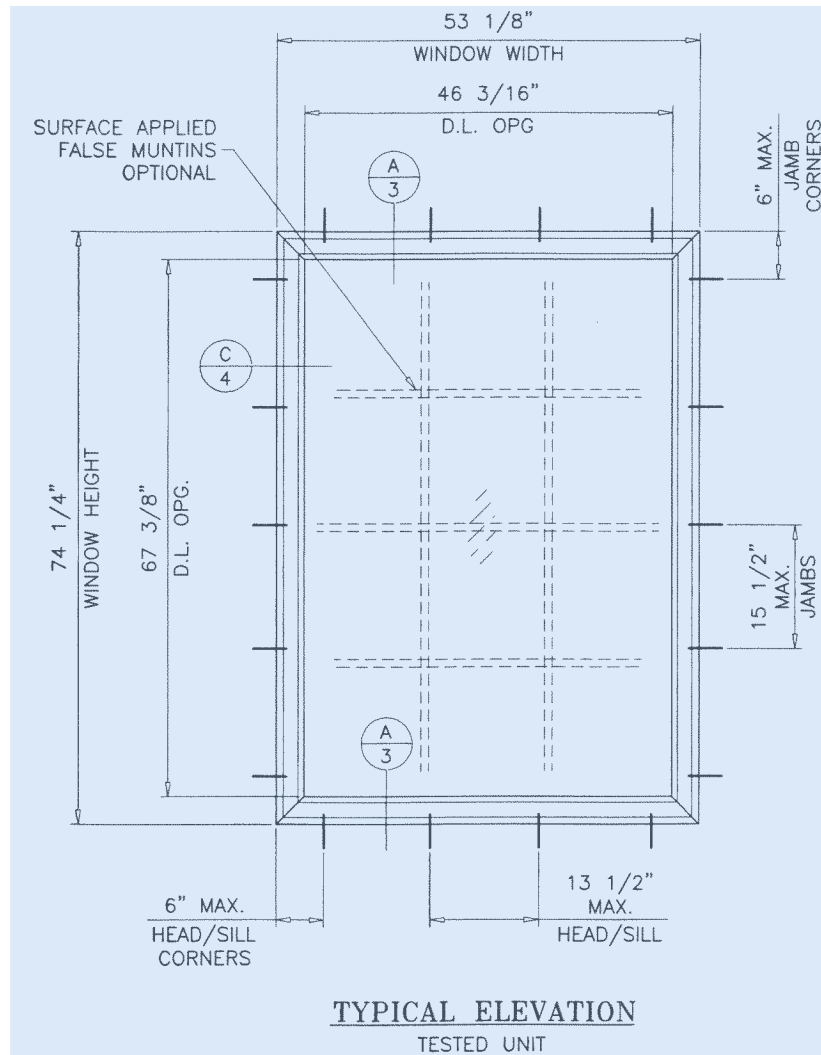
ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

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 2020/2023 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, THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC. DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

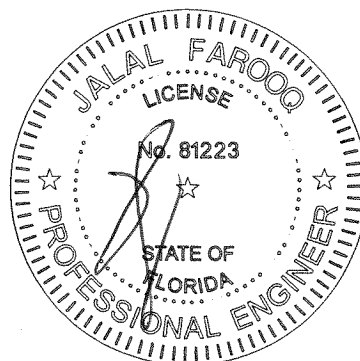
DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.



DAYLITE OPENINGS:
D.L.O. HEIGHT = WINDOW HEIGHT - 6.9375"
D.L.O. WIDTH = WINDOW WIDTH - 6.9375"

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

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. 23-0724.08
Expiration Date: 09/22/2026
By: Manuel Perez
Miami-Dade Product Control



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W11-15ESW

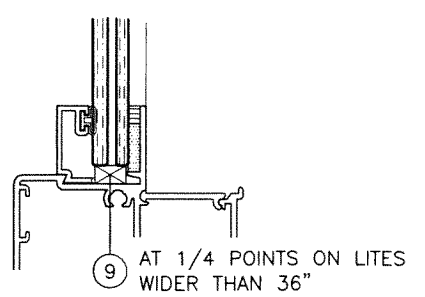
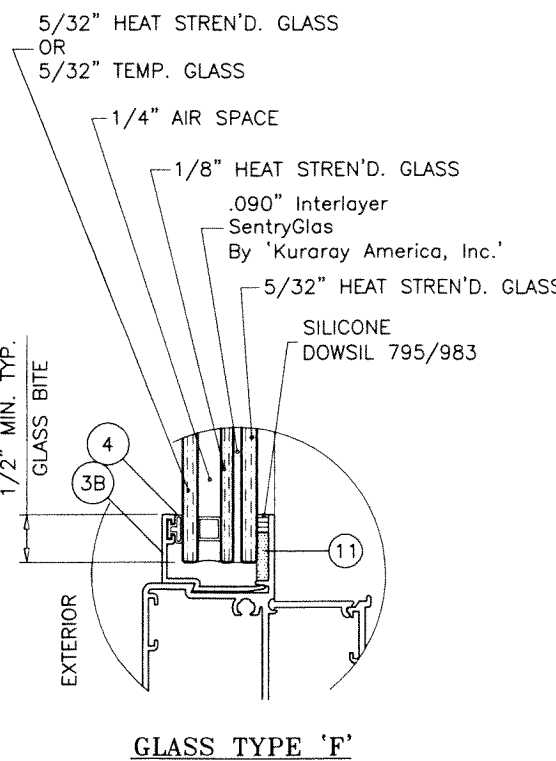
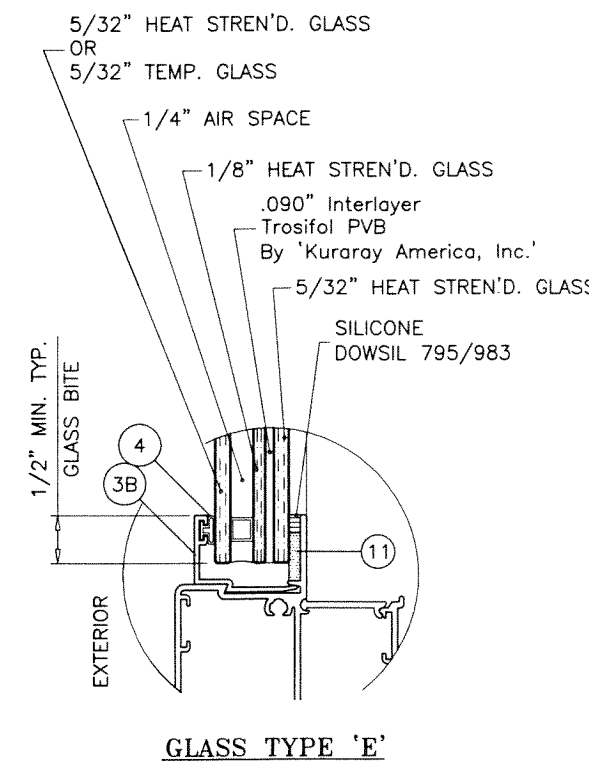
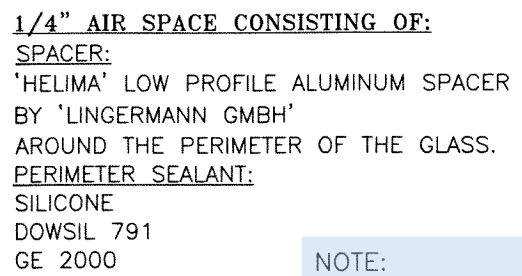
SERIES 5100 ALUMINUM FIXED WDW. (L.M.I.)
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

| revisions: | no | date | by | description |
|------------|----|----------|----|---------------------|
| | E | 06.14.16 | | EDITORIAL CHANGES |
| | F | 11.01.17 | | UPDATED TO 2017 FBC |
| | G | 11.05.20 | | UPDATED TO 2020 FBC |
| | H | 07.14.23 | | UPDATED TO 2023 FBC |

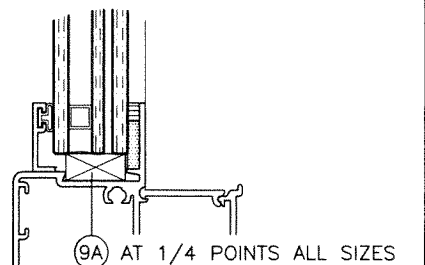
date: 03-22-11
scale: 1/2"=1'-0"
dr. by: TARIQ
chk. by:

drawing no.
W11-15
sheet 1 of 7

| DESIGN LOAD CAPACITY - PSF | | | |
|----------------------------|------------|------------------------------------|---------|
| WINDOW DIMS. | | GLASS TYPES 'C', 'D', 'E' & 'F' | |
| WIDTH (W) | LENGTH (L) | EXT.(+) | INT.(−) |
| 19-1/8" | 26" | 90.0 | 90.0 |
| 26-1/2" | | 90.0 | 90.0 |
| 37" | | 90.0 | 90.0 |
| 48" | | 90.0 | 90.0 |
| 53-1/8" | | 90.0 | 90.0 |
| 62" | | 90.0 | 90.0 |
| 19-1/8" | 38-3/8" | 90.0 | 90.0 |
| 26-1/2" | | 90.0 | 90.0 |
| 37" | | 90.0 | 90.0 |
| 48" | | 90.0 | 90.0 |
| 53-1/8" | | 90.0 | 90.0 |
| 62" | | 90.0 | 90.0 |
| 19-1/8" | 50-5/8" | 90.0 | 90.0 |
| 26-1/2" | | 90.0 | 90.0 |
| 37" | | 90.0 | 90.0 |
| 48" | | 90.0 | 90.0 |
| 53-1/8" | | 90.0 | 90.0 |
| 62" | | 90.0 | 90.0 |
| 19-1/8" | 63" | 90.0 | 90.0 |
| 26-1/2" | | 90.0 | 90.0 |
| 37" | | 90.0 | 90.0 |
| 48" | | 90.0 | 90.0 |
| 53-1/8" | | 90.0 | 90.0 |
| 62" | | 77.1 | 77.1 |
| 19-1/8" | 74-1/4" | 90.0 | 90.0 |
| 26-1/2" | | 90.0 | 90.0 |
| 37" | | 90.0 | 90.0 |
| 48" | | 90.0 | 90.0 |
| 53-1/8" | | 90.0 | 90.0 |
| 19-1/8" | 76" | 90.0 | 90.0 |
| 26-1/2" | | 90.0 | 90.0 |
| 37" | | 90.0 | 90.0 |
| 48" | | 90.0 | 90.0 |
| 51" | | 90.0 | 90.0 |



SETTING BLOCKS AT LAM. GLASS
NOTCH GLAZING BEAD LEG
TO CLEAR BLOCKS



SETTING BLOCKS AT INSUL. LAM. GLASS
NOTCH GLAZING BEAD LEG
TO CLEAR BLOCKS

NOTE:
TO QUALIFY FOR SMALL MISSILE IMPACT RATING
EXTERIOR PLY OF GLASS TYPES 'E' & 'F' MUST BE TEMPERED.

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **23-0724.08**
Expiration Date: **09/22/2026** JUL 17 2023
By: *Manuel Perez*
Miami-Dade Product Control

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

date: 03-22-11

scale: 1/2" = 1"

dr. by: TARIQ

chk. by:

drawing no.

W11-15

sheet 2 of 7

| revisions: | no | date | by | description |
|------------|----|----------|----|----------------------|
| | E | 06.14.16 | | EDITORIAL CHANGES |
| | F | 11.01.17 | | UPDATED TO 2017 FBC |
| | G | 11.05.20 | | UPDATED TO 2020 FBC |
| | H | 07.14.23 | | NO CHANGE THIS SHEET |

SERIES 5100 ALUMINUM FIXED WDW. (L.M.I.)

E.S. WINDOWS, LLC

3550 N.W. 49 STREET

MIAMI, FL. 33142

TEL. (305) 638-5151 FAX. (305) 638-5158

AL-FAROOQ CORPORATION

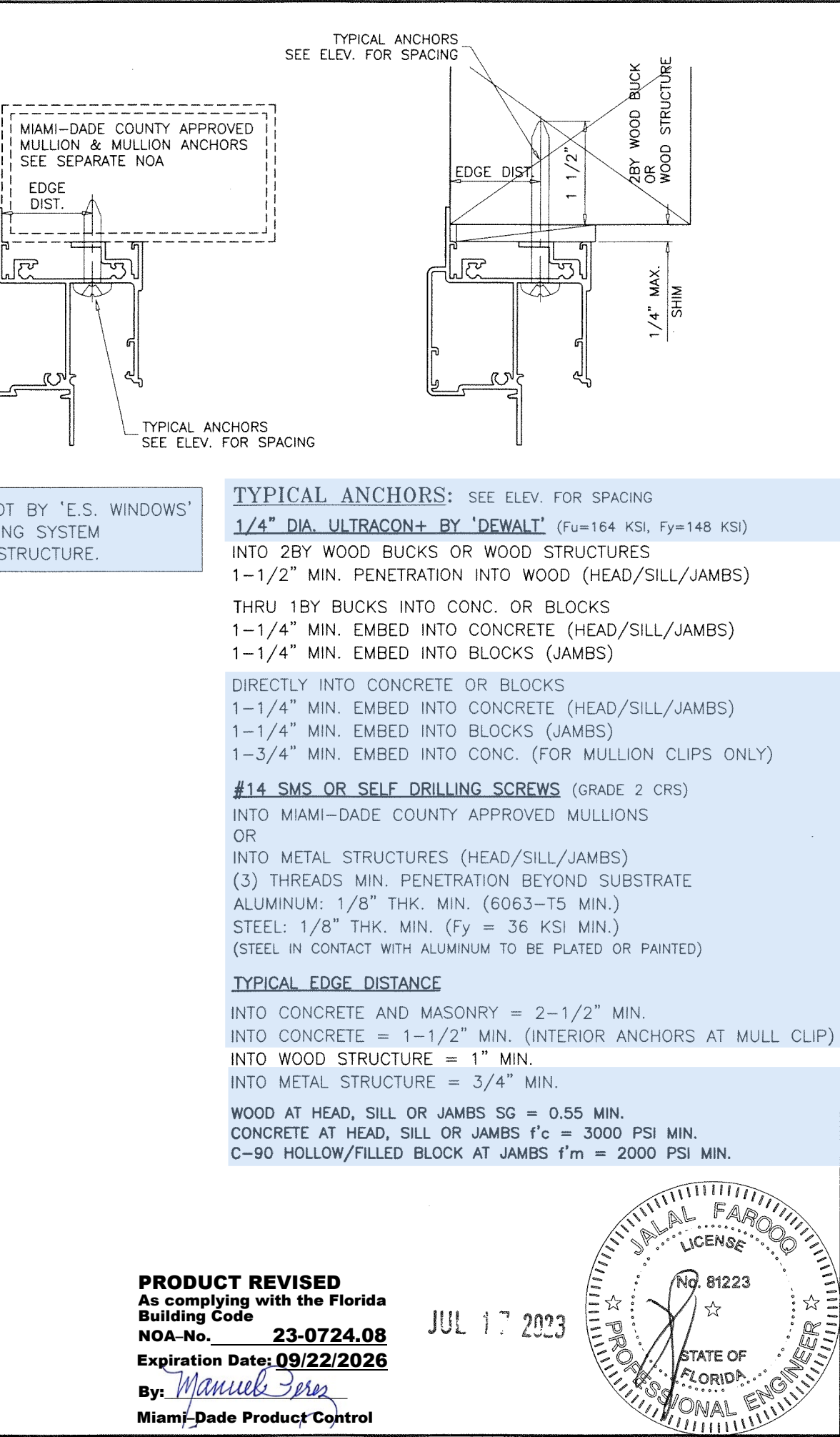
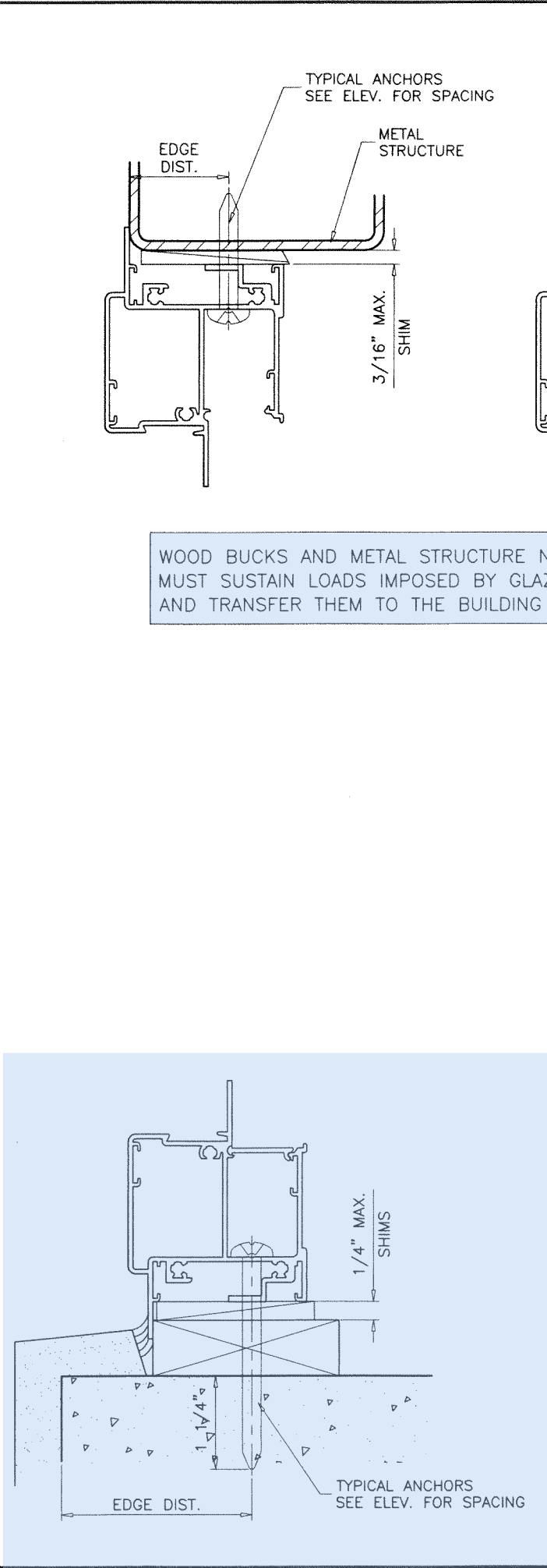
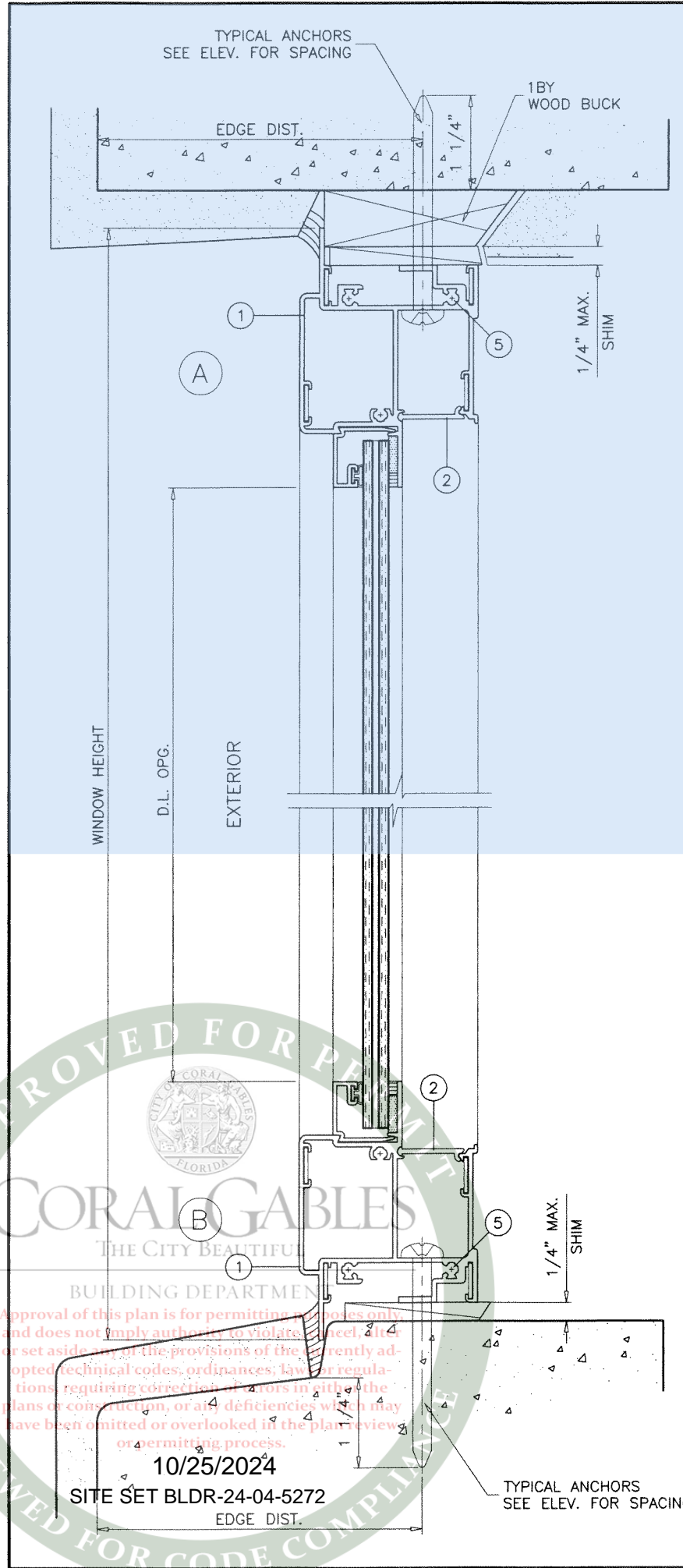
ENGINEERS & PRODUCT DEVELOPMENT

9360 SUNSET DRIVE, SUITE 220

MIAMI, FLORIDA 33173 (C.A.N. 3538)

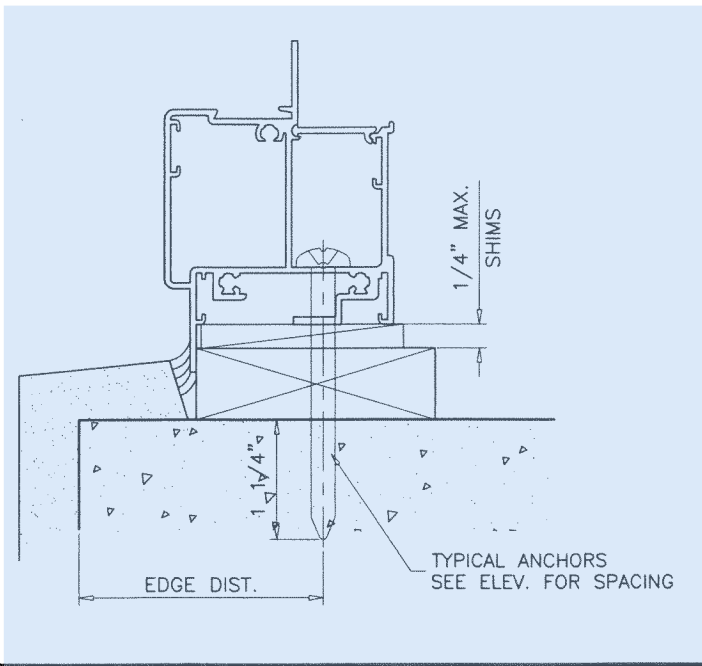
TEL. (305) 264-8100 FAX. (305) 262-6978

COMP-ANL\W11-15ESW



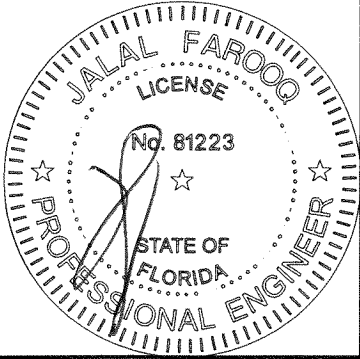
WOOD BUCKS AND METAL STRUCTURE NOT BY 'E.S. WINDOWS' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING
1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)
 THRU 1BY BUCKS INTO CONC. OR BLOCKS
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)
 DIRECTLY INTO CONCRETE OR BLOCKS
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)
 1-3/4" MIN. EMBED INTO CONC. (FOR MULLION CLIPS ONLY)
#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS OR
 INTO METAL STRUCTURES (HEAD/SILL/JAMBS)
 (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)
TYPICAL EDGE DISTANCE
 INTO CONCRETE AND MASONRY = 2-1/2" MIN.
 INTO CONCRETE = 1-1/2" MIN. (INTERIOR ANCHORS AT MULL CLIP)
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.
 WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.
 CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
 C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.



PRODUCT REVISED
 As complying with the Florida Building Code
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 Expiration Date: **09/22/2026**
 By: *Manuel Torres*
 Miami-Dade Product Control

JUL 17 2023

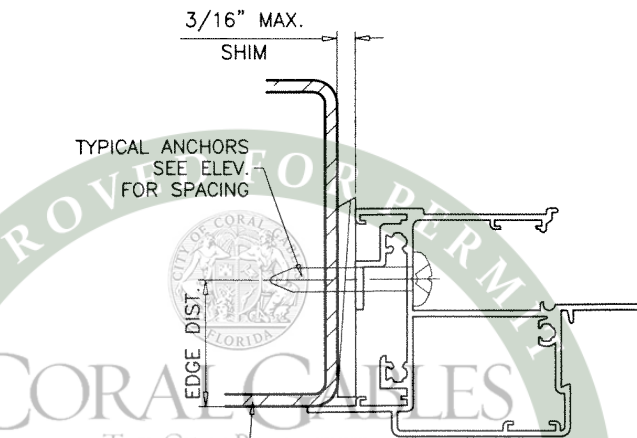
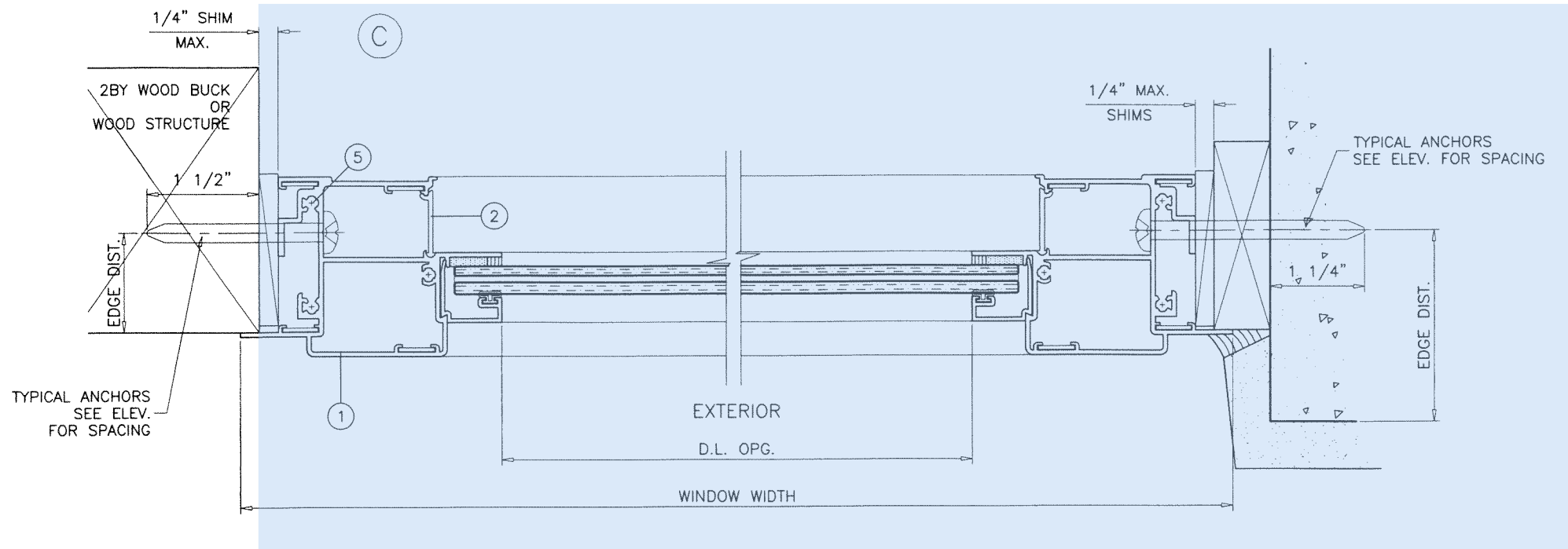


AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\W11-15ESW

SERIES 5100 ALUMINUM FIXED WDW. (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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| date: 03-22-11 | scale: 1/2" = 1" | dr. by: TARIQ | chk. by: |
| drawing no. W11-15 | | sheet 3 of 7 | |

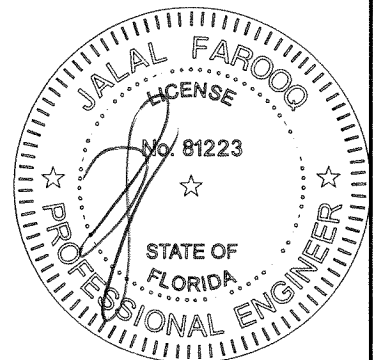


Approval of this plan for permitting purposes only, and does not constitute an endorsement, approval, or set aside any of the provisions of the currently adopted technical codes, ordinances, laws or regulations, requiring correction of errors in either the plans or construction, or any deficiencies which may have been omitted or overlooked in the plan review or permitting process.

10/25/2024
SITE SET BLDR-24-04-5272

PRODUCT REVISED
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NOA-No. **23-0724.08**
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By: *Manuel Perez*
Miami-Dade Product Control

JUL 17 2023



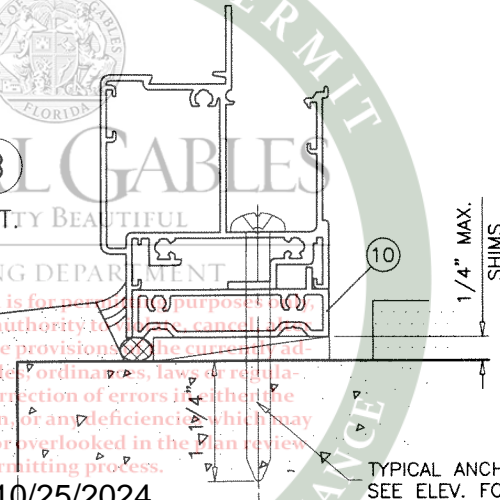
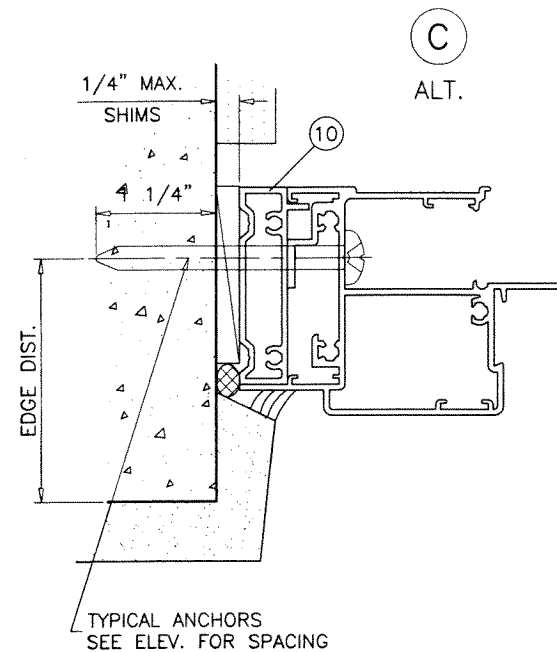
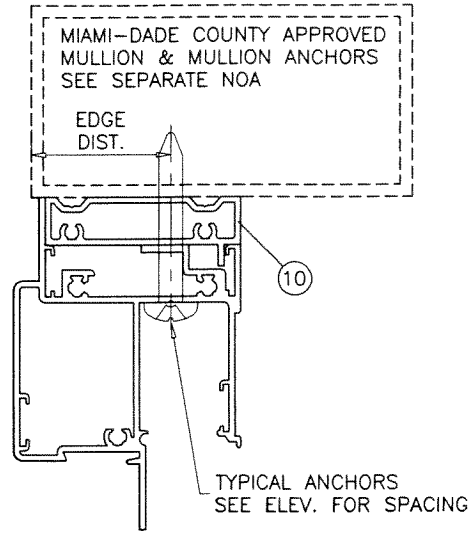
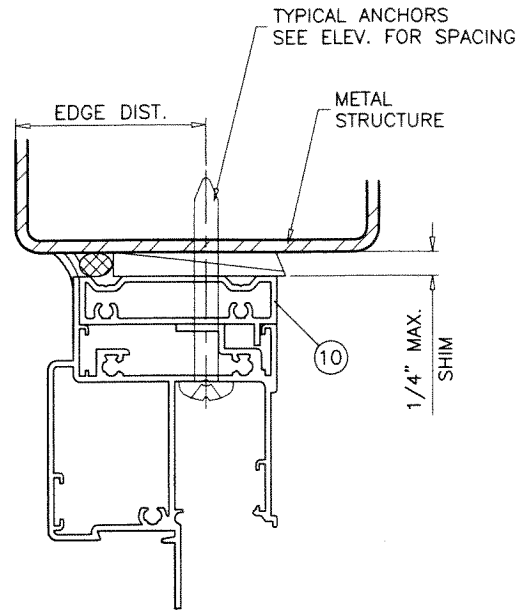
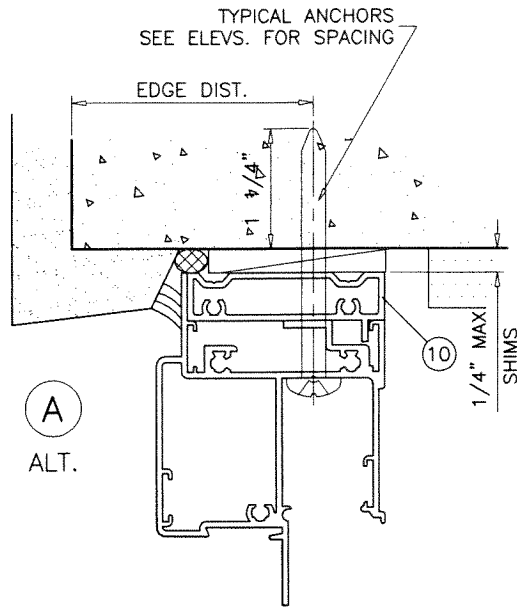
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
(C.A.N. 3538)

SERIES 5100 ALUMINUM FIXED WDW. (L.M.I.)
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3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

| revisions: | | date | | description | |
|------------|----------|------|------|-------------|----------------------|
| no | date | no | date | no | description |
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|----------------|------------------|---------------|----------|
| date: 03-22-11 | scale: 1/2" = 1" | dr. by: TARIQ | chk. by: |
| drawing no. | W11-15 | | |
| sheet 4 of 7 | | | |

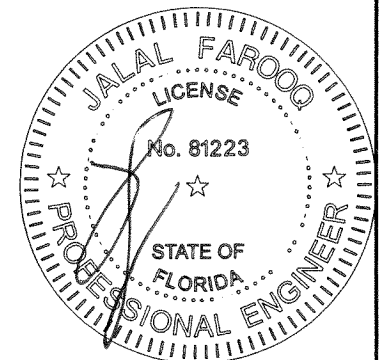
COMP-ANL\W11-15ESW



INSTALLATION DETAILS WITH FLUSH FRAME ADAPTER

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **23-0724.08**
Expiration Date: **09/22/2026**
By: *Manuel Torres*
Miami-Dade Product Control

JUL 17 2023



AL-FAROOQ CORPORATION
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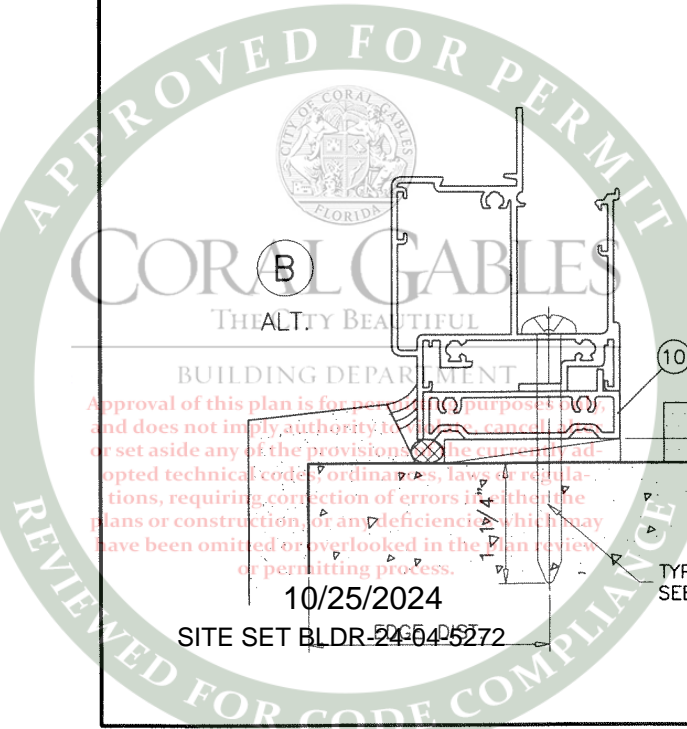
| revisions: | no | date | description |
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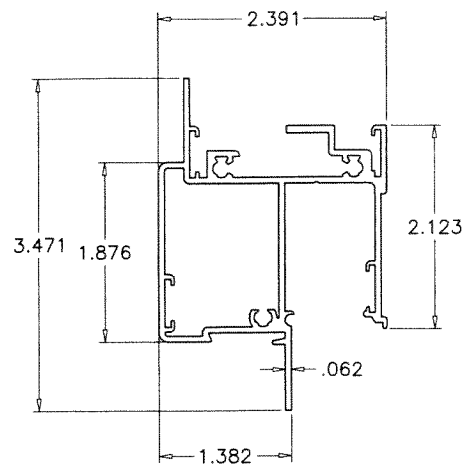
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| date: 03-22-11 | scale: 1/2" = 1" | dr. by: TARIQ | chk. by: |
|----------------|------------------|---------------|----------|

| | |
|-------------|--------|
| drawing no. | W11-15 |
| sheet | 5 of 7 |

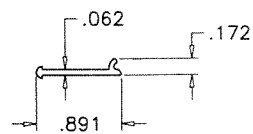
Approval of this plan is for permit purposes only and does not imply authority to cancel, amend or set aside any of the provisions of the currently adopted technical codes, ordinances, laws or regulations, requiring correction of errors in either the plans or construction, or any deficiencies which may have been omitted or overlooked in the plan review or permitting process.

10/25/2024
SITE SET BLDR-24-645272

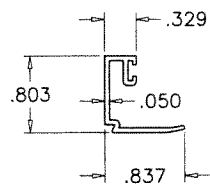




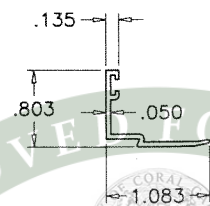
① FIX. WDW. FRAME



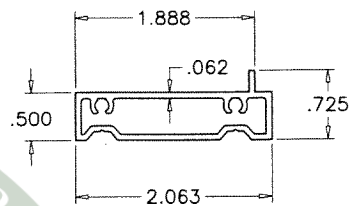
② FIX. FRAME COVER



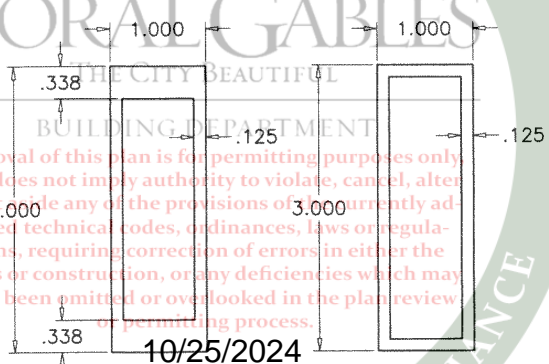
③A GLAZING STOP (LAM. GLASS)



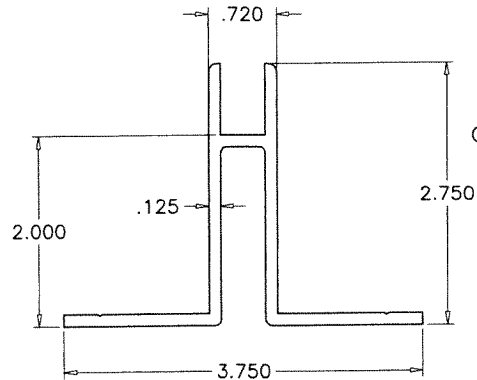
③B GLAZING STOP (INSUL. LAM. GLASS)



⑩ FLUSH FRAME ADAPTER



⑦ CUSTOM MULLION ⑦A STD. MULLION

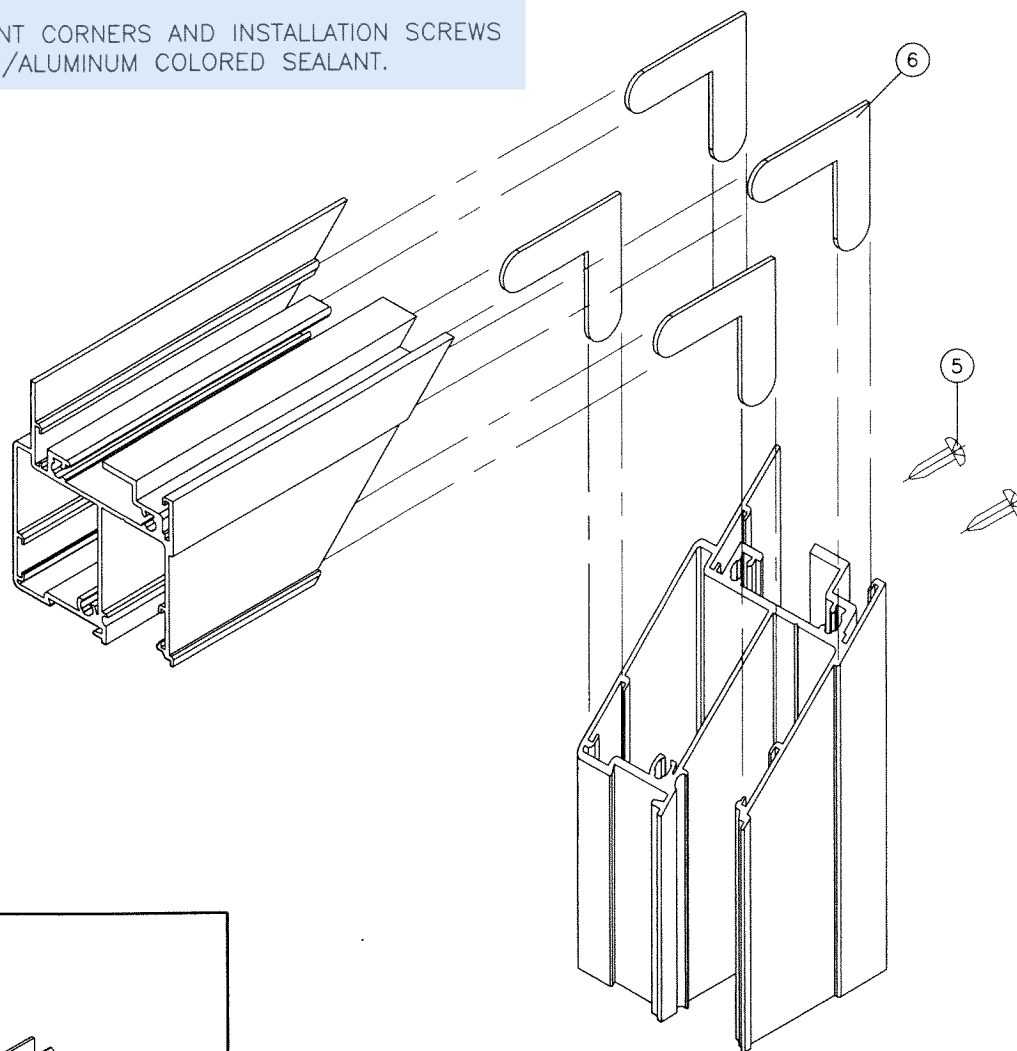


⑧ MULLION CLIP

| ITEM | PART # | QUANTITY | DESCRIPTION | MATERIAL | MANF./SUPPLIER/REMARKS |
|------|----------|----------|--|-----------|---|
| 1 | ES5015 | 4 | FIX. WDW. FRAME | 6063-T6 | - |
| 2 | ES5016 | 4 | FIX. FRAME COVER | 6063-T6 | - |
| 3A | ES1103 | AS REQD. | GLAZING BEAD (LAM. GLASS) | 6063-T5 | - |
| 3B | ES1017 | AS REQD. | GLAZING BEAD (INSUL. LAM. GLASS) | 6063-T5 | - |
| 4 | 27-425 | AS REQD. | GLAZING GASKET | EPDM | DUROMETER 60 SHORE 'A' |
| 5 | - | AS REQD. | FRAME ASSEMBLY SCREWS | - | #10 X 1" PH SMS |
| 6 | PJS40-SS | AS REQD. | CORNER LOCK | ST. STEEL | SULLIVAN & ASSOCIATES |
| 7 | - | AS REQD. | 1X3 CUSTOM MULLION | 6063-T6 | - |
| 7A | - | AS REQD. | 1X3 STANDARD MULLION | 6063-T6 | - |
| 8 | - | AS REQD. | MULLION CLIP | 6063-T6 | - |
| 9 | 27-372 | 2/ LITE | SETTING BLOCK, 7/16" X 3/16" X 3-1/2" LONG | EPDM | AT 6" FROM EACH END, DUROMETER 75±5 SHORE A |
| 9A | - | 2/ LITE | SETTING BLOCK, 5/16" X 5/8" X 4" LONG | EPDM | AT 6" FROM EACH END, DUROMETER 75±5 SHORE A |
| 10 | ES-5017 | AS REQD. | FLUSH FRAME ADAPTER | 6063-T5 | OPTIONAL |
| 11 | - | AS REQD. | GLAZING TAPE (1/4" X 1/2") | FOAM | - |

SEALANTS:

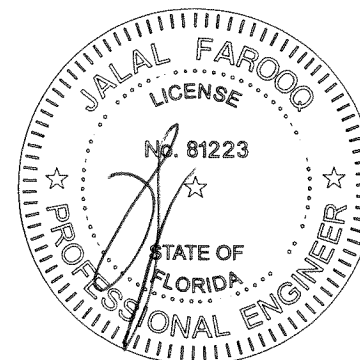
ALL FRAME AND VENT CORNERS AND INSTALLATION SCREWS SEALED WITH CLEAR/ALUMINUM COLORED SEALANT.



FRAME CORNER

PRODUCT REVISED
As complying with the Florida Building Code
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Miami-Dade Product Control

JUL 17 2023



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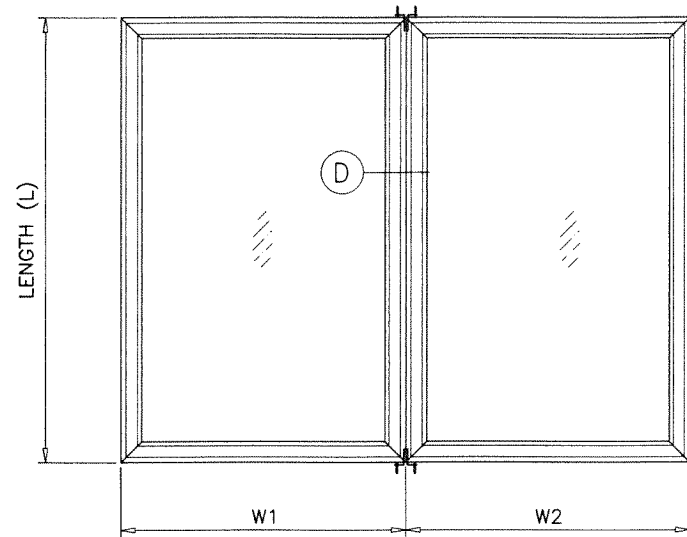
AL-FAROOQ CORPORATION
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COMP-ANL\W11-15ESW

date: 03-22-11
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:
drawing no.
W11-15
sheet 6 of 7

| MULLION LOAD CAPACITY - PSF | | | |
|-----------------------------|------------|-----------------|-------------------|
| WINDOW DIMS. | | 1 X 3 STD. MULL | 1 X 3 CUSTOM MULL |
| WIDTH (W) | LENGTH (L) | EXT.(+) INT.(-) | EXT.(+) INT.(-) |
| 26-1/2" | 58" | 90.0 | 90.0 |
| 37" | | 90.0 | 90.0 |
| 42" | | 90.0 | 90.0 |
| 45" | | 90.0 | 90.0 |
| 48" | | 90.0 | 90.0 |
| 53-1/8" | | 90.0 | 90.0 |
| 62" | | 90.0 | 90.0 |
| 26-1/2" | 63" | 90.0 | 90.0 |
| 37" | | 90.0 | 90.0 |
| 42" | | 90.0 | 90.0 |
| 45" | | 90.0 | 90.0 |
| 48" | | 90.0 | 90.0 |
| 53-1/8" | | 90.0 | 90.0 |
| 62" | | 90.0 | 90.0 |
| 26-1/2" | 74-1/4" | 90.0 | 90.0 |
| 37" | | 90.0 | 90.0 |
| 42" | | 82.5 | 90.0 |
| 45" | | 78.6 | 90.0 |
| 48" | | 75.4 | 87.4 |
| 53-1/8" | | 71.0 | 83.2 |
| 26-1/2" | 76" | 90.0 | 90.0 |
| 37" | | 84.2 | 90.0 |
| 42" | | 76.4 | 90.0 |
| 45" | | 72.8 | 87.6 |
| 48" | | 69.7 | 84.5 |
| 51" | | 67.1 | 81.9 |

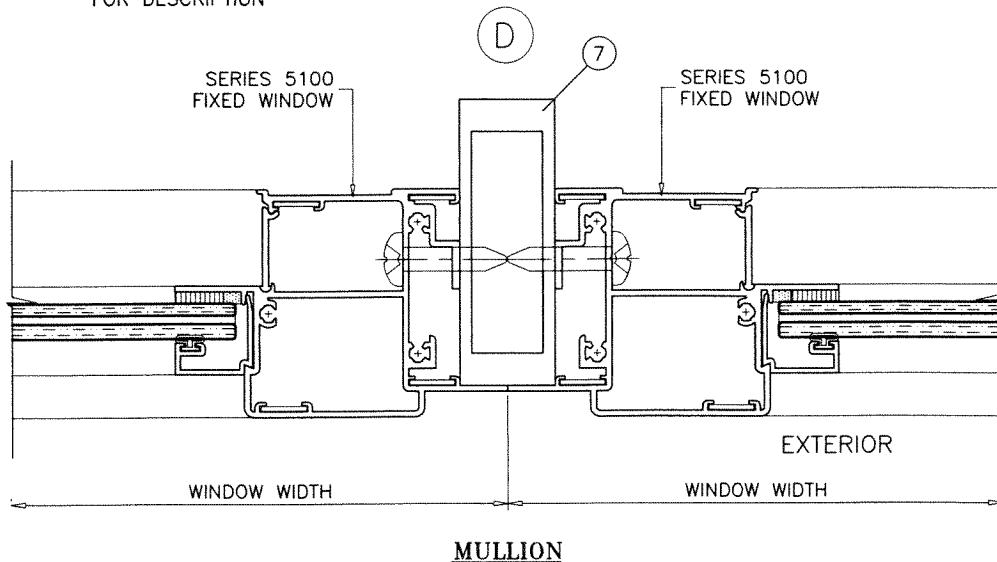
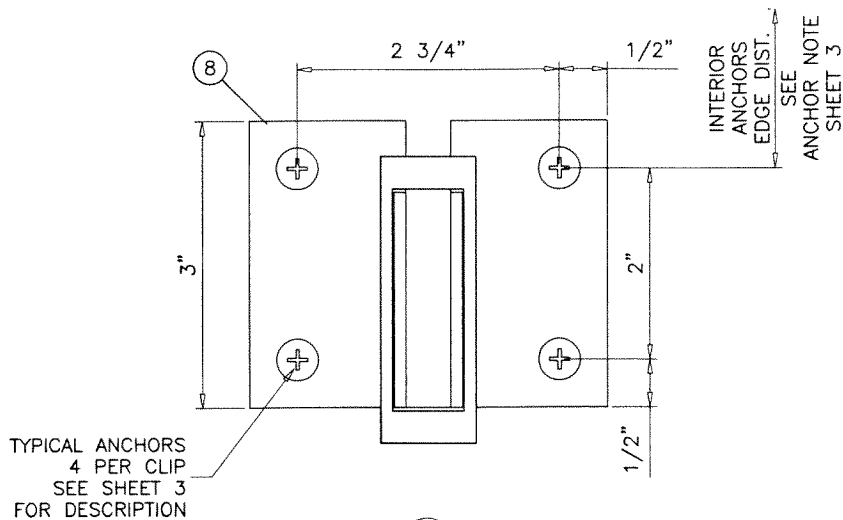
| MULLION LOAD CAPACITY - PSF | | | |
|-----------------------------|------------|-----------------|-------------------|
| WINDOW DIMS. | | 1 X 3 STD. MULL | 1 X 3 CUSTOM MULL |
| WIDTH (W) | LENGTH (L) | EXT.(+) INT.(-) | EXT.(+) INT.(-) |
| 30" | 54" | 90.0 | 90.0 |
| 36" | | 90.0 | 90.0 |
| 42" | | 90.0 | 90.0 |
| 48" | | 90.0 | 90.0 |
| 54" | | 90.0 | 90.0 |
| 60" | | 90.0 | 90.0 |
| 62" | | 90.0 | 90.0 |
| 30" | 60" | 90.0 | 90.0 |
| 36" | | 90.0 | 90.0 |
| 42" | | 90.0 | 90.0 |
| 48" | | 90.0 | 90.0 |
| 54" | | 90.0 | 90.0 |
| 60" | | 90.0 | 90.0 |
| 62" | | 90.0 | 90.0 |
| 30" | 66" | 90.0 | 90.0 |
| 36" | | 90.0 | 90.0 |
| 42" | | 90.0 | 90.0 |
| 48" | | 90.0 | 90.0 |
| 54" | | 90.0 | 90.0 |
| 59" | | 90.0 | 90.0 |
| 30" | 72" | 90.0 | 90.0 |
| 36" | | 90.0 | 90.0 |
| 42" | | 90.0 | 90.0 |
| 48" | | 83.6 | 90.0 |
| 54" | | 78.4 | 86.8 |
| 30" | 76" | 90.0 | 90.0 |
| 36" | | 86.1 | 90.0 |
| 42" | | 76.4 | 90.0 |
| 48" | | 69.7 | 84.5 |
| 51" | | 67.1 | 81.9 |

CLIPPED MULLIONS



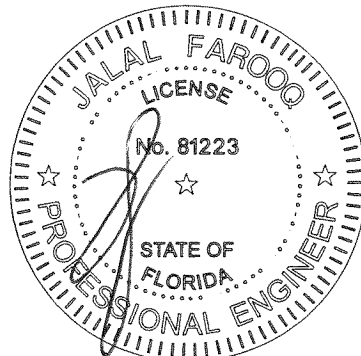
TYPICAL ELEVATION
SIDE BY SIDE WINDOWS
SIDE BY SIDE APPLIES TO TWO OR MORE WINDOWS

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



PRODUCT REVISED
As complying with the Florida Building Code
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Miami-Dade Product Control

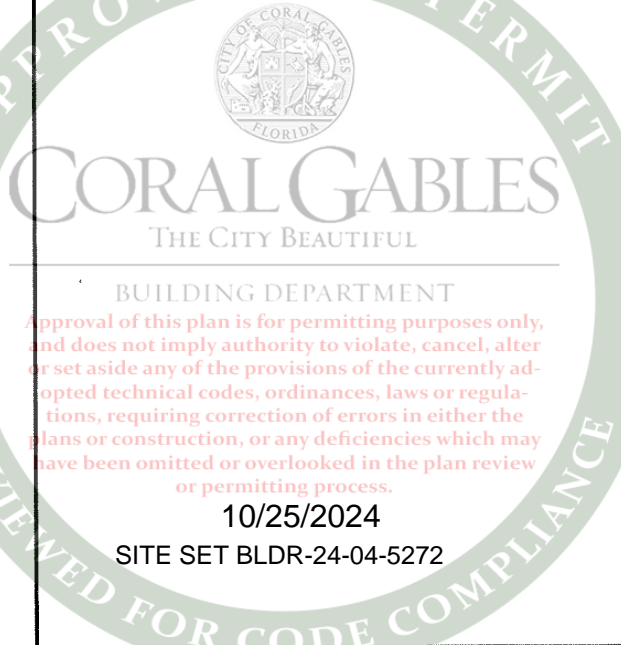
JUL 17 2023



AL-FAROOQ CORPORATION
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| chk. by: | | | | |
| drawing no. | W11-15 | | | |
| sheet | 7 of 7 | | | |



FLORIDA DEPARTMENT OF
Business & Professional Regulation



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PA-02



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OFFICE OF THE
SECRETARY

FL #

FL41000-R1

Application Type

Revision

Code Version

2023

Application Status

Approved

Comments

Archived



Product Manufacturer

E.S. Windows, Inc.

Address/Phone/Email

10653 NE Quaybridge Ct.
Miami, FL 33138
(305) 624-7775
achamorro@eswllc.com

Authorized Signature

Jalal Farooq
veronica@afceng.com

Technical Representative

Samir Sabagh

Address/Phone/Email

3550 NW 49th St.
Miami, FL 33142
(305) 638-5151
ssabagh@energiasolarsa.com

Quality Assurance Representative

Address/Phone/Email

Category

Windows

Subcategory

Casement

Compliance Method

Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer

☐ Evaluation Report - Hardcopy Received

Florida Engineer or Architect Name who developed
the Evaluation Report

Jalal Farooq

Florida License

PE-81223

Quality Assurance Entity

Keystone Certifications, Inc.

Quality Assurance Contract Expiration Date

07/16/2025

Validated By

Abel Carrasco, PE

☒ Validation Checklist - Hardcopy Received

Certificate of Independence

[FL41000_R1_COI_SS - Certificate of Independence 2023.pdf](#)

Referenced Standard and Year (of Standard)

Standard**Year**

TAS 201

1994

TAS 202

1994

TAS 203

1994

Equivalence of Product Standards
Certified By

10/25/2024

SITE SET BLDR-24-04-5272

Sections from the Code

Product Approval Method

Method 1 Option D

Date Submitted

08/01/2023

Date Validated

08/01/2023

Date Pending FBC Approval

08/02/2023

Date Approved

10/18/2023

Summary of Products

| FL # | Model, Number or Name | Description |
|---|--------------------------------------|---|
| 41000.1 | Series 5000 Aluminum Casement Window | Large missile impact resistant aluminum casement window. |
| Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +90/-114 Other: See installation drawings 21-68F for span vs load combinations and installation details. | | Installation Instructions FL41000_R1_II_SS - 5000 OS Casement (LMI) - DWG 21-68F 2023.pdf Verified By: Jalal Farooq PE # 81223 Created by Independent Third Party: Yes Evaluation Reports FL41000_R1_AE_SS - 5000 Casement (LMI)-PAE 2023.pdf Created by Independent Third Party: Yes |

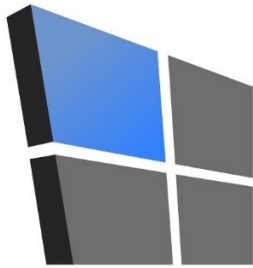
[Back](#)[Next](#)

[Contact Us](#) :: [2601 Blair Stone Road, Tallahassee FL 32399](#) Phone: 850-487-1824

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Product Approval Accepts:



AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

PRODUCT APPROVAL EVALUATION RULE CHAPTER #61G20-3 • METHOD 1 OPTION D

FL 41000

Date: 07/31/2023

Detailed Product Description:

Manufacturer: E.S. WINDOWS, LLC.

Manufacturer Address: 3550 N.W. 49 STREET – MIAMI, FL. 33142

Model Name: SERIES 5000 ALUMINUM CASEMENT WINDOW

Maximum Load: +90 PSF, -114 PSF (Large Missile Impact)

Installation Drawings # 21-68F

This product complies with the High Velocity Hurricane Zone (HVHZ) testing requirements.

For maximum sizes, combination of span vs loads and anchor type refer to installation drawings.

Comparative analysis used X Yes No

Mandatory Tests (Tested in accordance with AAMA 101/I.S.2/NAFS/TAS-202)

| TEST | DESCRIPTION | TEST LOCATION | TEST REPORT DATE | TEST REPORT # | Test Sealed by |
|---------------------------------------|---------------------------|--------------------------------------|--|---|---|
| ASTM E283 | Air Infiltration Leakage | Fenestration Testing Laboratory, Inc | 03/16/2011 03/16/2011 11/16/2007 06/19/2020 02/04/2022 | FTL-6294 FTL-6295 FTL-58336 FTL-12112 FTL-12657 | Marlin D Brinson, PE Marlin D Brinson, PE Carlos S Rionda, PE Idalmis Ortega, PE Idalmis Ortega, PE |
| ASTM E331 OR ASTM 547 & TAS 202 | Water Penetration | Fenestration Testing Laboratory, Inc | 03/16/2011 03/16/2011 11/16/2007 06/19/2020 02/04/2022 | FTL-6294 FTL-6295 FTL-58336 FTL-12112 FTL-12657 | Marlin D Brinson, PE Marlin D Brinson, PE Carlos S Rionda, PE Idalmis Ortega, PE Idalmis Ortega, PE |
| ASTM E330 & TAS 202 | Uniform Static Air Press. | Fenestration Testing Laboratory, Inc | 03/16/2011 03/16/2011 11/16/2007 06/19/2020 02/04/2022 | FTL-6294 FTL-6295 FTL-58336 FTL-12112 FTL-12657 | Marlin D Brinson, PE Marlin D Brinson, PE Carlos S Rionda, PE Idalmis Ortega, PE Idalmis Ortega, PE |
| ASTM F588 | Forced Entry | Fenestration Testing Laboratory, Inc | 03/16/2011 03/16/2011 11/16/2007 02/04/2022 | FTL-6294 FTL-6295 FTL-58336 FTL-12657 | Marlin D Brinson, PE Marlin D Brinson, PE Carlos S Rionda, PE Idalmis Ortega, PE |

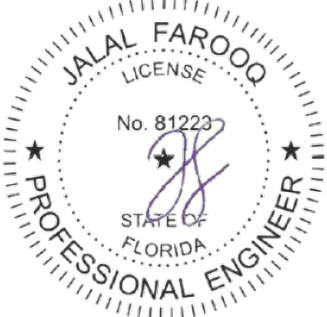
BUILDING DEPARTMENT

Approval of this plan is for permitting purposes only, and does not imply authority to violate, cancel, alter or set aside any of the provisions of the currently adopted technical codes, ordinances, laws or regulations, requiring correction of errors in either the plans or construction, or any deficiencies which may have been omitted or overlooked in the plan review or permitting process.

10/25/2024

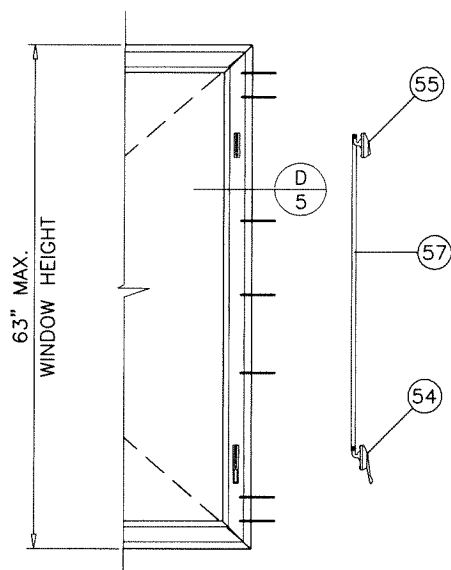
SITE SET BLDR-24-04-5272

9360 Sunset Drive Ste 220 | Miami, FL 33173 | T: 305.264.8100 | F: 305.262.6978 | www.afceng.com | alfarooq@afceng.com

| Supplemental Tests (Tested in accordance with TAS-201 and TAS-203) | | | | | |
|---|----------------------------------|--|--|---|---|
| TEST | DESCRIPTION | TEST LOCATION | TEST REPORT DATE | TEST REPORT # | Test Sealed by |
| FBC 1626.2 TAS 201 & 203 | Large Missile Impact & Cyclic | Fenestration Testing Laboratory, Inc | 07/26/2018 03/16/2011 03/16/2011 11/16/2007 06/19/2020 02/04/2022 | FTL-9711 FTL-6294 FTL-6295 FTL-58336 FTL-12112 FTL-12657 | Idalmis Ortega, PE Marlin D Brinson, PE Marlin D Brinson, PE Carlos S Rionda, PE Idalmis Ortega, PE Idalmis Ortega, PE |
| Under the limitations of the attached installation drawings, to the best of my knowledge and ability, the above product conforms to the requirements of the 2023 Florida Building Code. | | | | | |
| Evaluation Report Engineer: | |  | | | |
| Jalal Farooq Al-Farooq Corporation | | PE # 81223 EB # 3538 | | Sealed: 7/31/2023 | |



1235 SW 87th Avenue | Miami, FL 33174 | T: 305.264.8100 | F: 305.262.6978 | www.afceng.com | alfarooq@afceng.com



CAM LOCKS
(2) LOCKING POINTS
ALL SIZES

SERIES 5000

ALUMINUM OUTSWING CASEMENT WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEETS 3 AND 3.1.

APPROVAL APPLIES TO SINGLE OR DOUBLE WINDOWS OR SIDE BY SIDE COMBINATIONS OF CASMT/CASMT OR CASEMENT WITH SERIES 5100 FIXED WINDOWS USING MULLIONS IN BETWEEN. LOWER DESIGN PRESSURE FROM CASEMENT WINDOW, FIXED WINDOW OR MULLION CHART WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2020 (7TH EDITION)/2023 (8TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.

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.

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

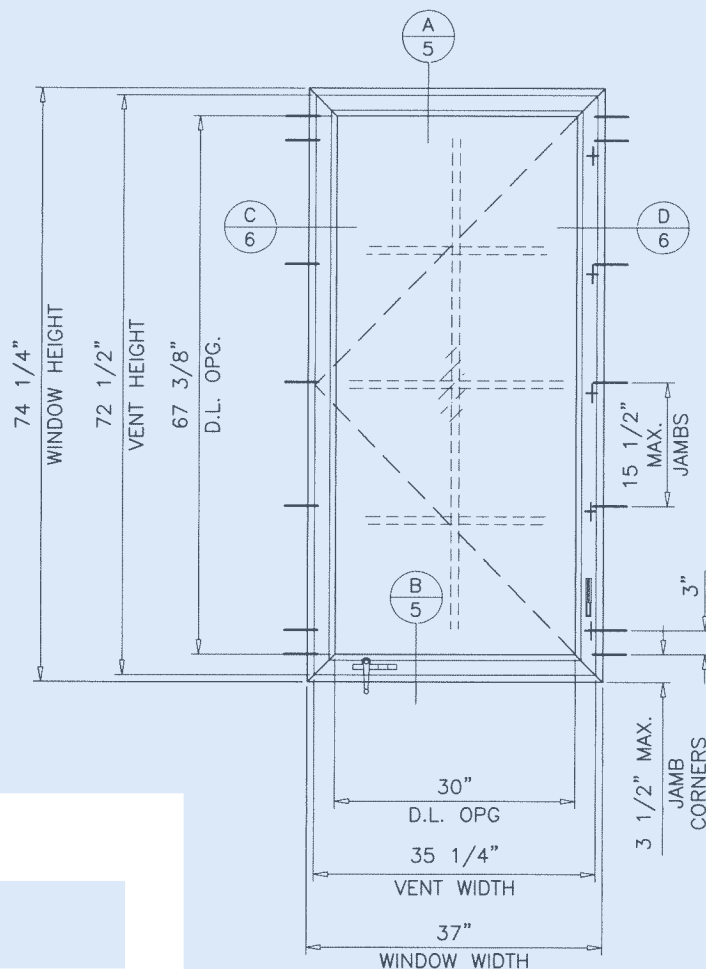
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2020/2023 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.

DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.

MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE. LABELING TO COMPLY WITH SECTION 1709.9.2.



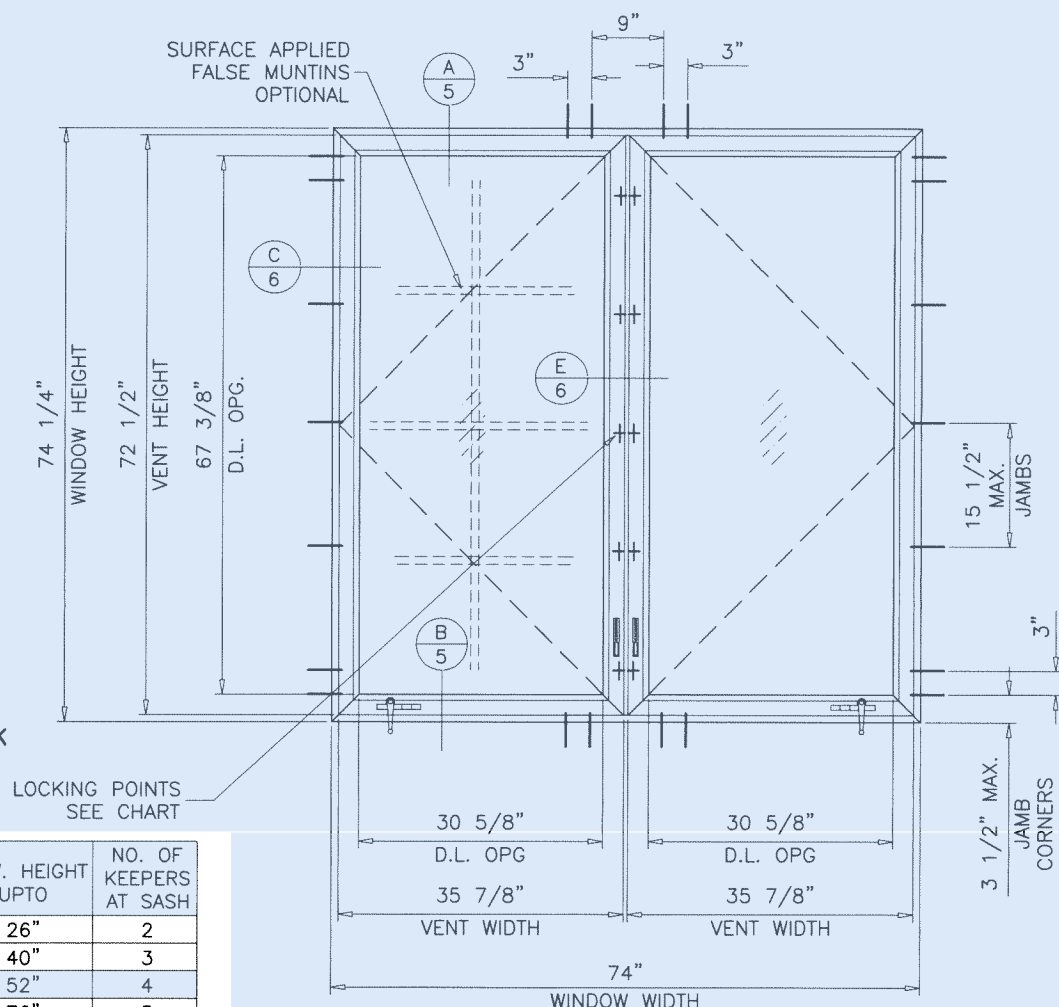
SINGLE (X)
FRAMES WITH OR W/O FLUSH ADAPTER

MULTI POINT LOCK

LOCKING POINTS
SEE CHART

| WDW. HEIGHT UPTO | NO. OF KEEPERS AT SASH |
|---------------------|------------------------------|
| 26" | 2 |
| 40" | 3 |
| 52" | 4 |
| 76" | 5 |

TYPICAL ELEVATIONS



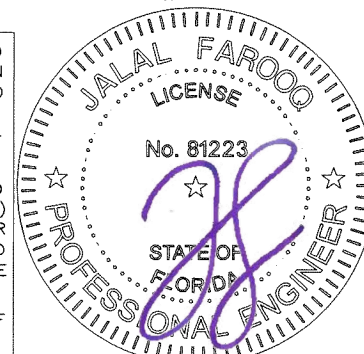
DOUBLE (XX)
FRAMES WITH OR W/O FLUSH ADAPTER

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

Sealed: 7/31/2023

FL #41000

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

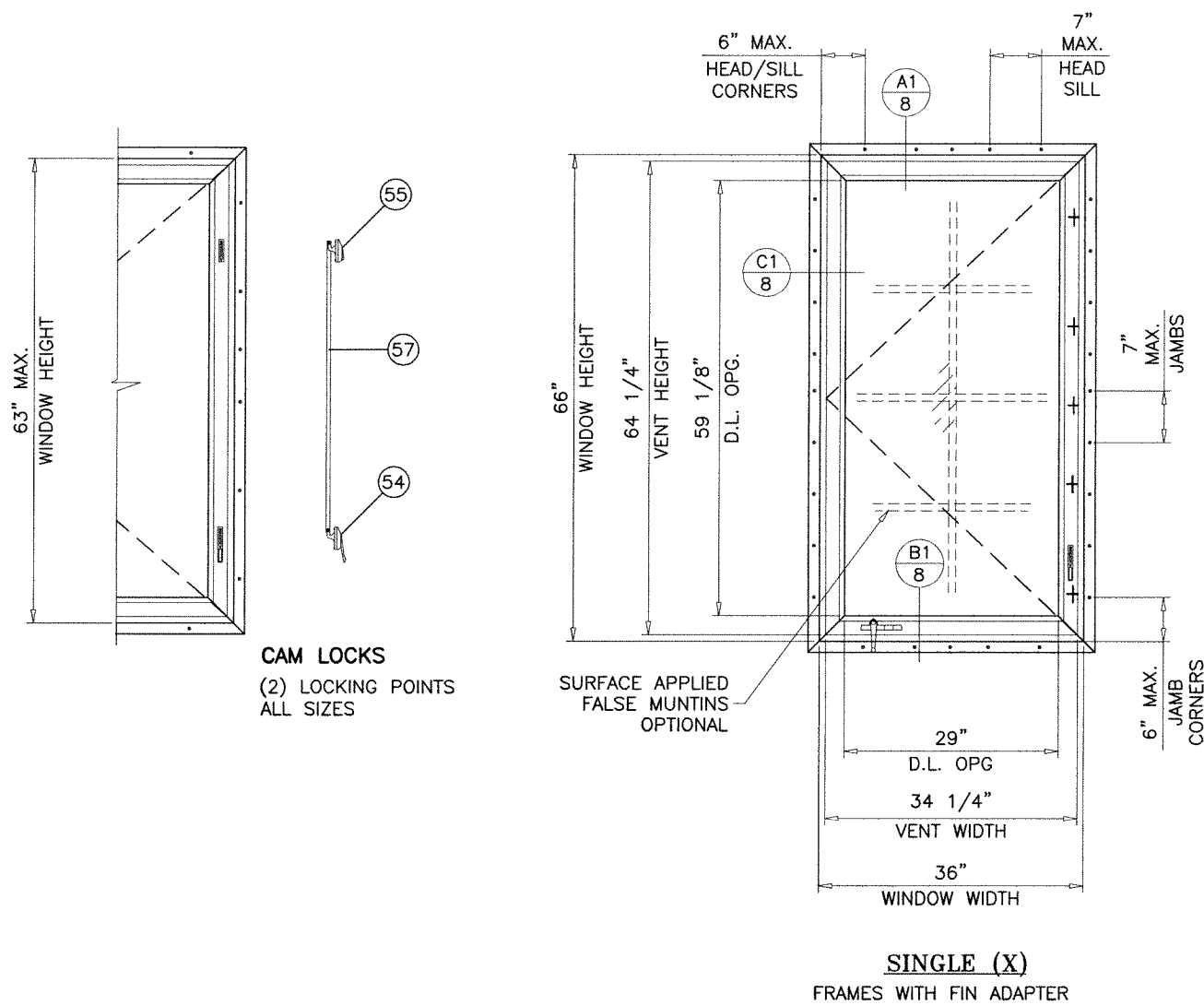


af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978
WWW.AFCENG.COM

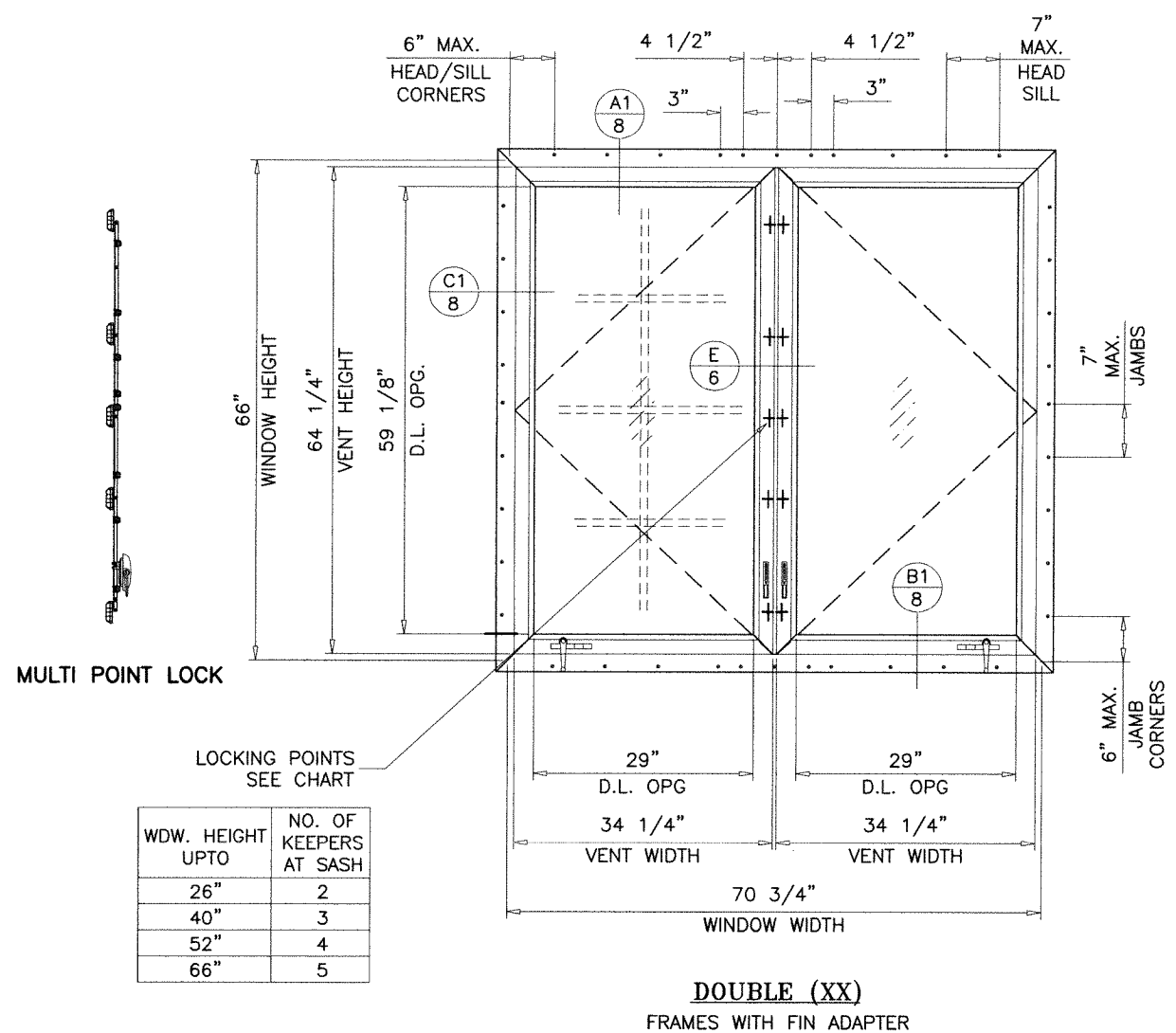
S-5000 ALUM OUTSWING CASEMENT WDW. (L.M.I.)

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

| revisions: | no | date | description | by |
|-------------|------------|----------|---------------------|----|
| | A | 07.12.23 | UPDATED TO 2023 FBC | |
| date: | 09-30-21 | | | |
| scale: | 1/2"=1'-0" | | | |
| dr. by: | TARIQ | | | |
| chk. by: | | | | |
| drawing no. | 21-68F | | | |
| sheet | 1 of 12 | | | |



SINGLE (X)
FRAMES WITH FIN ADAPTER



DOUBLE (XX)
FRAMES WITH FIN ADAPTER

TYPICAL ELEVATION

FOR WINDOWS WITH FIN FRAME ADAPTERS LIMIT MAX. DESIGN LOAD TO ±70.0 PSF



Sealed: 7/31/2023
FL #41000

AL-FAROOQ CORPORATION
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| revisions: | |
|------------|---------------------|
| no | date by description |
| | |
| | |
| | |
| | |
| | |

date: 09-30-21

scale: 1/2"=1'-0"

dr. by: TARIQ

chk. by:

drawing no. **21-68F**

sheet 2 of 12

COMP-ANL 21-68F-ES

| DESIGN LOAD CAPACITY - PSF FOR (XX) SIZES | | | | | | | | | | | | | |
|---|---------|---------------------------------|---------|-------------------|---------|-------------------------------|---------|-------------------|---------|--|---------|-------------------|---------|
| WINDOW DIMS. | | WITH CAM LOCKS | | | | WINDOWS WITH MULTI POINT LOCK | | | | | | | |
| | | GLASS TYPES A, B, C, D, E, F | | GLASS TYPE 'H' | | GLASS TYPE 'A' | | GLASS TYPE 'B' | | GLASS TYPES 'C', 'D', 'E', 'F', 'G' | | GLASS TYPE 'H' | |
| WIDTH | HEIGHT | EXT.(+) | 1NT.(-) | EXT.(+) | 1NT.(-) | EXT.(+) | 1NT.(-) | EXT.(+) | 1NT.(-) | EXT.(+) | 1NT.(-) | EXT.(+) | 1NT.(-) |
| 37" | 26" | 85.0 | 85.0 | 70.0 | 70.0 | 85.0 | 85.0 | 90.0 | 90.0 | 90.0 | 90.0 | 70.0 | 70.0 |
| 53-1/8" | | 85.0 | 85.0 | 70.0 | 70.0 | 85.0 | 85.0 | 90.0 | 90.0 | 90.0 | 90.0 | 70.0 | 70.0 |
| 37" | 38-3/8" | 85.0 | 85.0 | 70.0 | 70.0 | 85.0 | 85.0 | 90.0 | 90.0 | 90.0 | 90.0 | 70.0 | 70.0 |
| 53-1/8" | | 85.0 | 85.0 | 70.0 | 70.0 | 85.0 | 85.0 | 90.0 | 90.0 | 90.0 | 90.0 | 70.0 | 70.0 |
| 74" | | 85.0 | 85.0 | 70.0 | 70.0 | 85.0 | 85.0 | 90.0 | 90.0 | 90.0 | 90.0 | 70.0 | 70.0 |
| 84" | | 85.0 | 85.0 | 70.0 | 70.0 | 85.0 | 85.0 | 90.0 | 90.0 | 90.0 | 90.0 | 70.0 | 70.0 |
| 37" | 50-5/8" | 85.0 | 85.0 | 70.0 | 70.0 | 85.0 | 85.0 | 90.0 | 90.0 | 90.0 | 90.0 | 70.0 | 70.0 |
| 53-1/8" | | 85.0 | 85.0 | 70.0 | 70.0 | 85.0 | 85.0 | 90.0 | 90.0 | 90.0 | 90.0 | 70.0 | 70.0 |
| 74" | | 85.0 | 85.0 | 70.0 | 70.0 | 85.0 | 85.0 | 90.0 | 90.0 | 90.0 | 90.0 | 70.0 | 70.0 |
| 84" | | 85.0 | 85.0 | 70.0 | 70.0 | 85.0 | 85.0 | 90.0 | 90.0 | 90.0 | 90.0 | 70.0 | 70.0 |
| 37" | 63" | 85.0 | 85.0 | 70.0 | 70.0 | 85.0 | 85.0 | 90.0 | 90.0 | 90.0 | 90.0 | 70.0 | 70.0 |
| 53-1/8" | | 79.6 | 79.6 | 70.0 | 70.0 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 70.0 | 70.0 |
| 74" | | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 |
| 84" | | - | - | - | - | - | - | - | - | 56.5 | 56.5 | - | - |
| 37" | 74-1/4" | - | - | - | - | - | - | - | - | 66.6 | 66.6 | 66.6 | 66.6 |
| 53-1/8" | | - | - | - | - | - | - | - | - | 47.6 | 47.6 | 47.6 | 47.6 |
| 74" | | - | - | - | - | - | - | - | - | 36.0 | 36.0 | - | - |
| 37" | 76" | - | - | - | - | - | - | - | - | 62.0 | 62.0 | 62.0 | 62.0 |
| 53-1/8" | | - | - | - | - | - | - | - | - | 44.3 | 44.3 | 44.3 | 44.3 |
| 74" | | - | - | - | - | - | - | - | - | 33.4 | 33.4 | - | - |
| 48" | 48" | 85.0 | 85.0 | 70.0 | 70.0 | 85.0 | 85.0 | 90.0 | 90.0 | 90.0 | 90.0 | 70.0 | 70.0 |
| 56" | | 85.0 | 85.0 | 70.0 | 70.0 | 85.0 | 85.0 | 90.0 | 90.0 | 90.0 | 90.0 | 70.0 | 70.0 |
| 64" | | 85.0 | 85.0 | 70.0 | 70.0 | 85.0 | 85.0 | 90.0 | 90.0 | 90.0 | 90.0 | 70.0 | 70.0 |
| 72" | | 85.0 | 85.0 | 70.0 | 70.0 | 85.0 | 85.0 | 90.0 | 90.0 | 90.0 | 90.0 | 70.0 | 70.0 |
| 80" | | 85.0 | 85.0 | 70.0 | 70.0 | 85.0 | 85.0 | 90.0 | 90.0 | 90.0 | 90.0 | 70.0 | 70.0 |
| 84" | | 85.0 | 85.0 | 70.0 | 70.0 | 85.0 | 85.0 | 90.0 | 90.0 | 90.0 | 90.0 | 70.0 | 70.0 |
| 48" | 54" | 85.0 | 85.0 | 70.0 | 70.0 | 85.0 | 85.0 | 90.0 | 90.0 | 90.0 | 90.0 | 70.0 | 70.0 |
| 56" | | 85.0 | 85.0 | 70.0 | 70.0 | 85.0 | 85.0 | 90.0 | 90.0 | 90.0 | 90.0 | 70.0 | 70.0 |
| 64" | | 85.0 | 85.0 | 70.0 | 70.0 | 85.0 | 85.0 | 90.0 | 90.0 | 90.0 | 90.0 | 70.0 | 70.0 |
| 72" | | 85.0 | 85.0 | 70.0 | 70.0 | 85.0 | 85.0 | 90.0 | 90.0 | 90.0 | 90.0 | 70.0 | 70.0 |
| 80" | | 85.0 | 85.0 | 70.0 | 70.0 | 85.0 | 85.0 | 90.0 | 90.0 | 90.0 | 90.0 | 70.0 | 70.0 |
| 84" | | 85.0 | 85.0 | 70.0 | 70.0 | 85.0 | 85.0 | 90.0 | 90.0 | 90.0 | 90.0 | 70.0 | 70.0 |
| 48" | 60" | 85.0 | 85.0 | 70.0 | 70.0 | 85.0 | 85.0 | 90.0 | 90.0 | 90.0 | 90.0 | 70.0 | 70.0 |
| 56" | | 85.0 | 85.0 | 70.0 | 70.0 | 85.0 | 85.0 | 88.9 | 88.9 | 88.9 | 88.9 | 70.0 | 70.0 |
| 64" | | 80.0 | 80.0 | 70.0 | 70.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 70.0 | 70.0 |
| 72" | | 73.5 | 73.5 | 70.0 | 70.0 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 70.0 | 70.0 |
| 80" | | - | - | - | - | - | - | - | - | 68.7 | 68.7 | - | - |
| 84" | | - | - | - | - | - | - | - | - | 66.8 | 66.8 | - | - |
| 48" | 66" | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 70.0 | 70.0 |
| 56" | | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 |
| 64" | | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| 72" | | - | - | - | - | - | - | - | - | 53.8 | 53.8 | 53.8 | 53.8 |
| 80" | | - | - | - | - | - | - | - | - | 49.9 | 49.9 | - | - |
| 48" | 72" | - | - | - | - | - | - | - | - | 57.4 | 57.4 | - | - |
| 56" | | - | - | - | - | - | - | - | - | 50.0 | 50.0 | - | - |
| 64" | | - | - | - | - | - | - | - | - | 44.6 | 44.6 | - | - |
| 72" | | - | - | - | - | - | - | - | - | 40.6 | 40.6 | - | - |
| 80" | | - | - | - | - | - | - | - | - | 48.6 | 48.6 | - | - |
| 48" | 76" | - | - | - | - | - | - | - | - | 42.3 | 42.3 | - | - |
| 56" | | - | - | - | - | - | - | - | - | 37.6 | 37.6 | - | - |
| 64" | | - | - | - | - | - | - | - | - | 34.1 | 34.1 | - | - |
| 72" | | - | - | - | - | - | - | - | - | - | - | - | - |

10/25/2024
SITE SET BLDR-24-04-5272

FOR DOUBLE (XX) CASEMENT SIZES WITH FIN FRAME ADAPTERS
LIMIT MAX. DESIGN LOAD TO ±70.0 PSF
LIMIT MAX. WINDOW AREA TO 32.4 SQ. FT.

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

Sealed: 7/31/2023

FL #41000



afc

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
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WWW.AFCENG.COM

(C.A.N. 3538)
FAX. (305) 262-6978

S-5000 ALUM OUTSWING CASEMENT WDW. (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 |
| | | | |
| | | | |
| | | | |
| | | | |

date: 09-30-21

scale: -

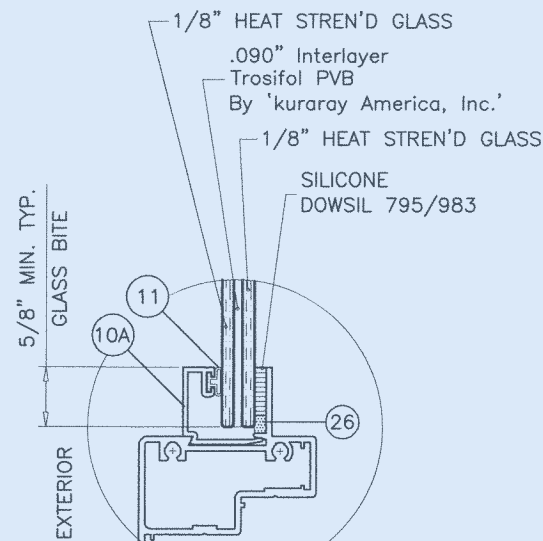
dr. by: TARIQ

chk. by:

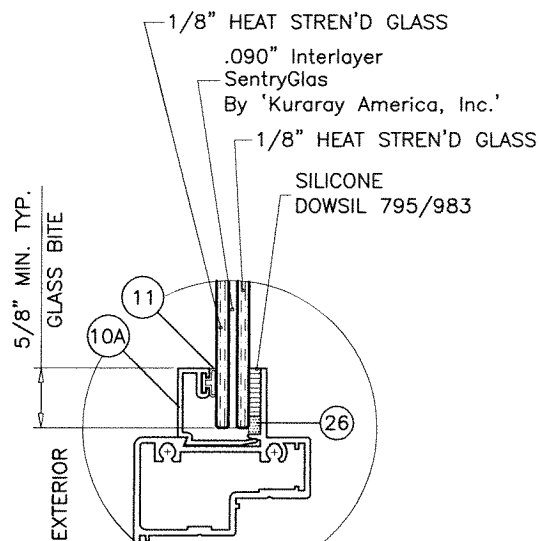
drawing no.
21-68F

sheet 3.1 of 12

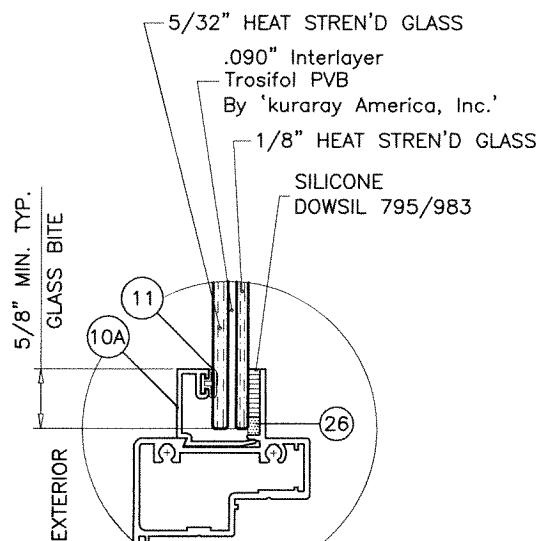
COMP-ANL\21-68F-ES



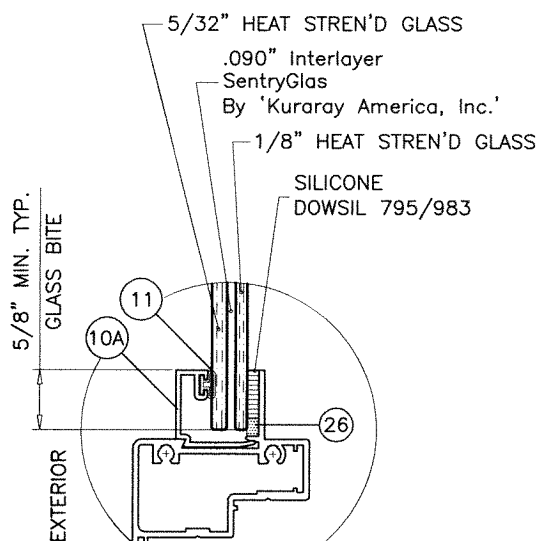
GLASS TYPE 'A'



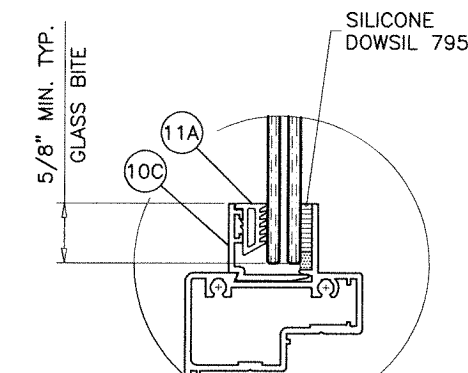
GLASS TYPE 'B'



GLASS TYPE 'C'

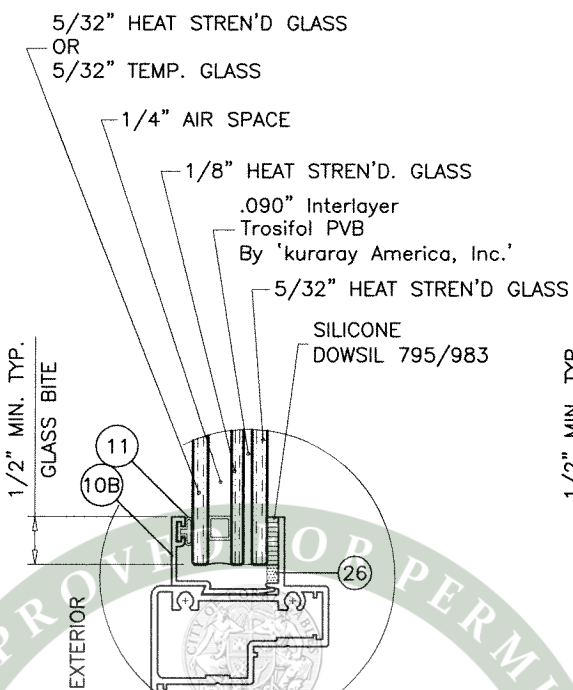


GLASS TYPE 'D'

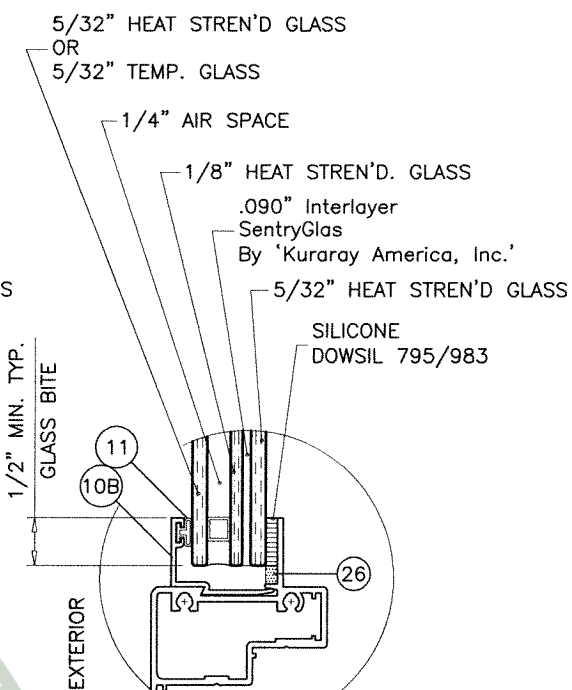


ALT. GLAZING OPTION

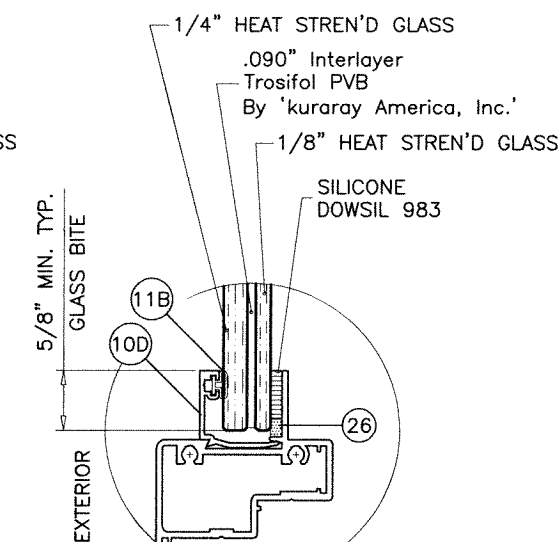
THESE GLAZING STOP CAN BE USED WITH GLASS TYPES 'A', 'B', 'C' & 'D'.



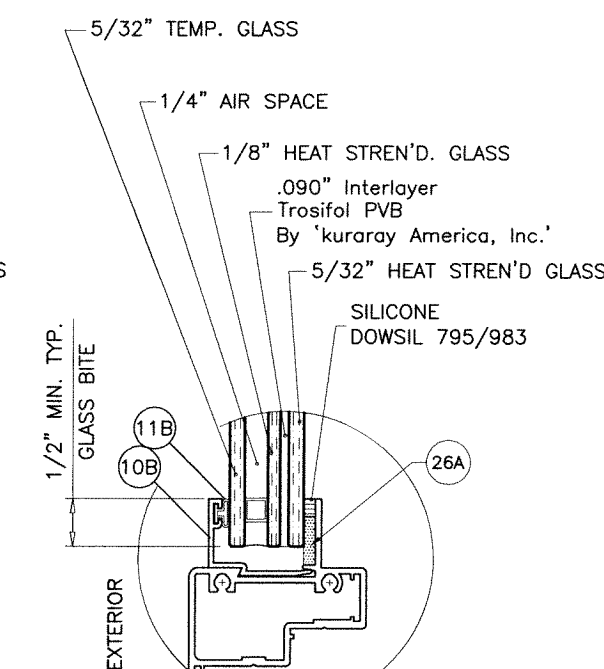
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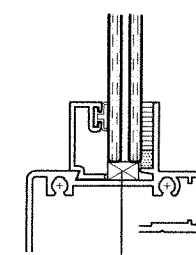
GLASS TYPE 'F'



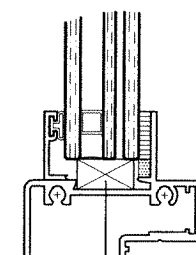
GLASS TYPE 'G'



GLASS TYPE 'H'



AT 1/4 POINTS ON LITES WIDER THAN 36"



AT 1/4 POINTS ALL SIZES

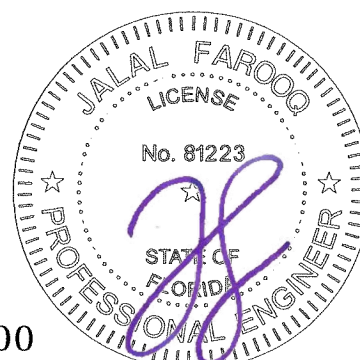
SETTING BLOCKS AT INSUL. LAM. GLASS NOTCH GLAZING BEAD LEG TO CLEAR BLOCKS

NOTE: Approval of this plan is for permitting purposes only, and does not imply authority to violate, cancel, alter or modify any code or ordinance. The undersigned hereby certifies that the plans and specifications submitted herewith are true and correct, and that the construction, or any deficiencies which may have been omitted or overlooked in the plan review or permitting process.

10/25/2024
SITE SET BLDR-24-04-5272

1/4" AIR SPACE CONSISTING OF:
SPACER:
'HELIMA' LOW PROFILE ALUMINUM SPACER BY 'LINGERMANN GMBH' AROUND THE PERIMETER OF THE GLASS.
PERIMETER SEALANT:
SILICONE
DOWSIL 791
GE 2000

Sealed: 7/31/2023
FL #41000



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

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COMP-ANL\21-68F-ES

S-5000 ALUM OUTSWING CASEMENT WDW. (L.M.I.)

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

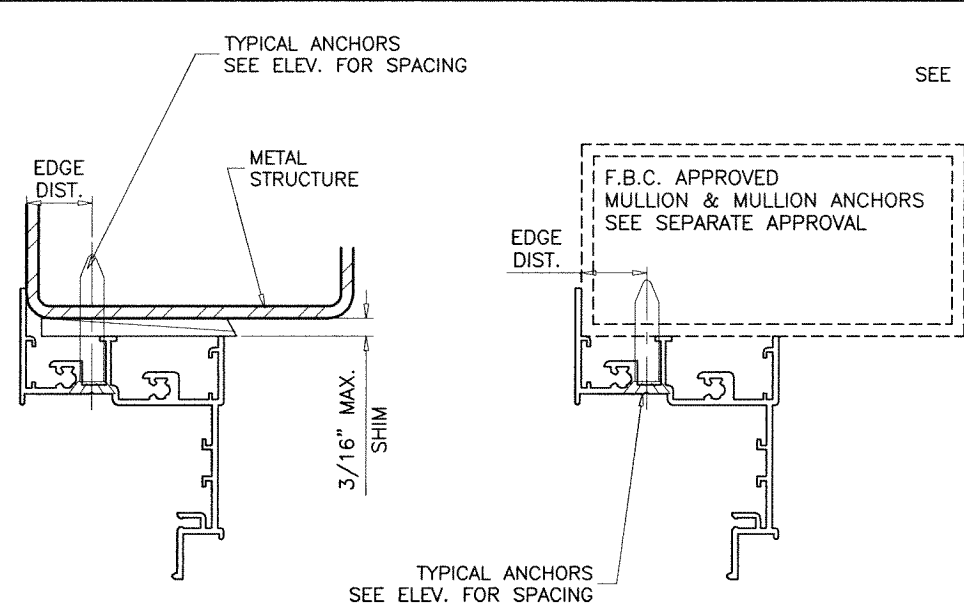
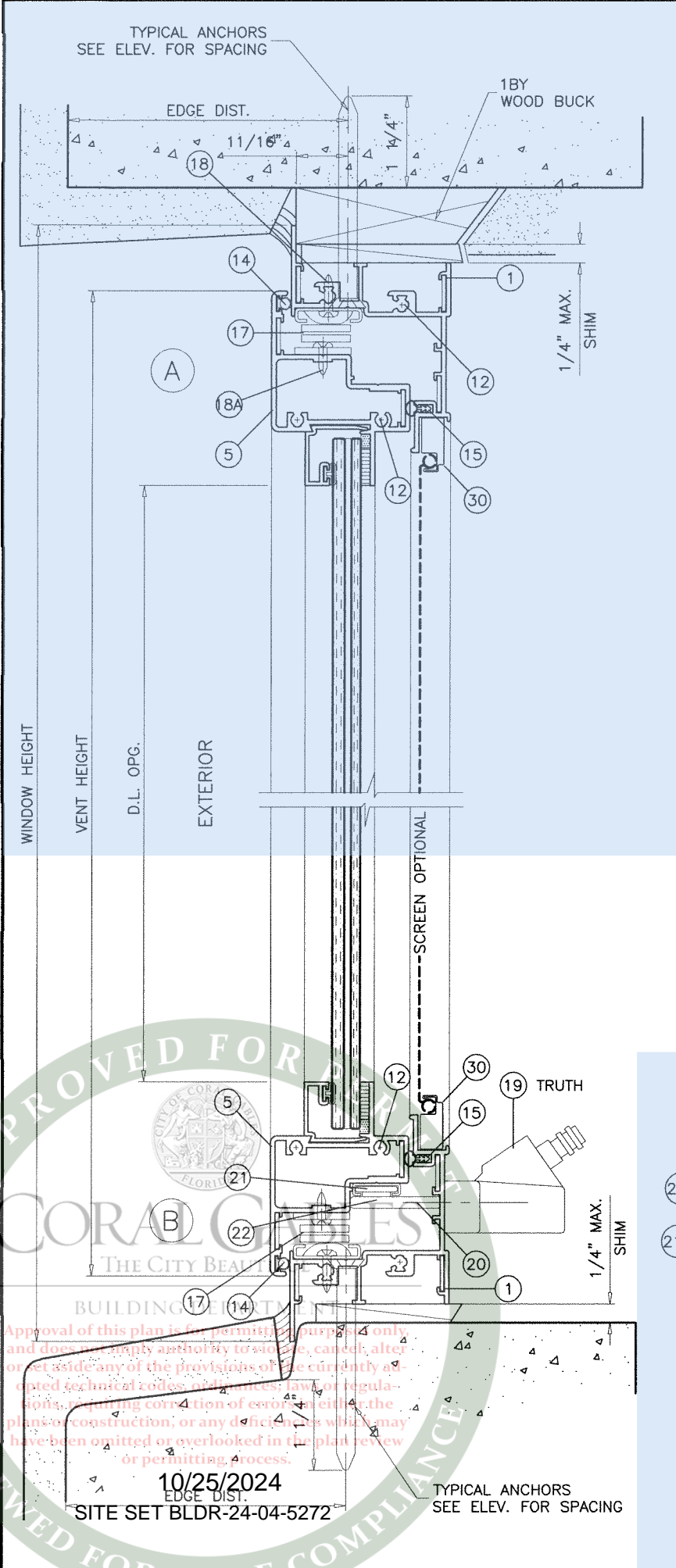
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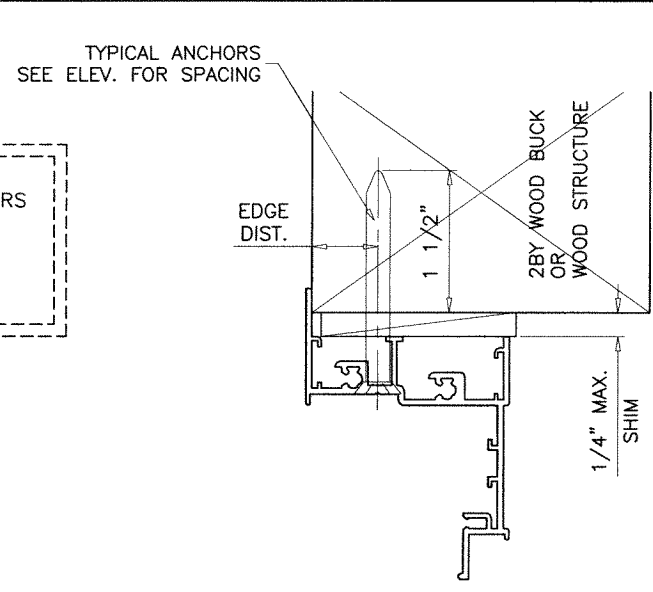
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dr. by: TARIQ
chk. by:

drawing no.
21-68F

sheet 4 of 12



WOOD BUCKS AND METAL STRUCTURE NOT BY 'E.S. WINDOWS' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

- 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
- INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
- 1-1/2" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)
- THRU 1BY BUCKS INTO CONC. OR BLOCKS
- 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
- 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)
- DIRECTLY INTO CONCRETE OR BLOCKS
- 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
- 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)
- 1-3/4" MIN. EMBED INTO CONC. (FOR MULLION CLIPS ONLY)

#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)

INTO F.B.C. APPROVED MULLIONS

OR

INTO METAL STRUCTURES (HEAD/SILL/JAMBS)

(3) THREADS MIN. PENETRATION BEYOND SUBSTRATE

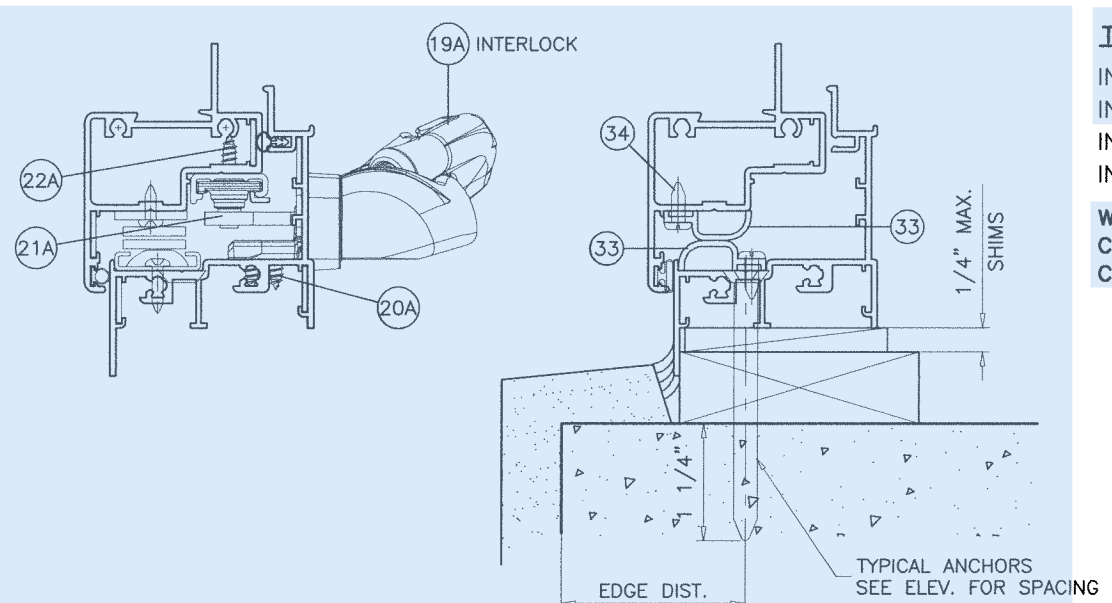
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)

STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)

(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE

- INTO CONCRETE AND MASONRY = 2-1/2" MIN.
- INTO CONCRETE = 1-1/2" MIN. (INTERIOR ANCHORS AT MULL CLIP)
- INTO WOOD STRUCTURE = 11/16" MIN.
- INTO METAL STRUCTURE = 11/16" MIN.
- WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.
- CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
- C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.



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date: 09-30-21

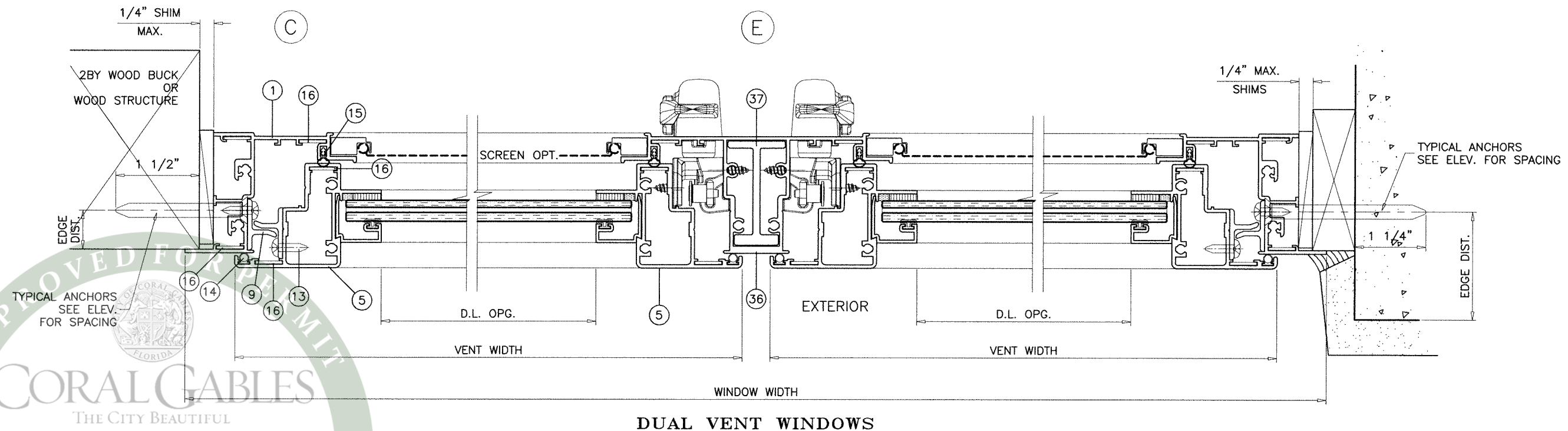
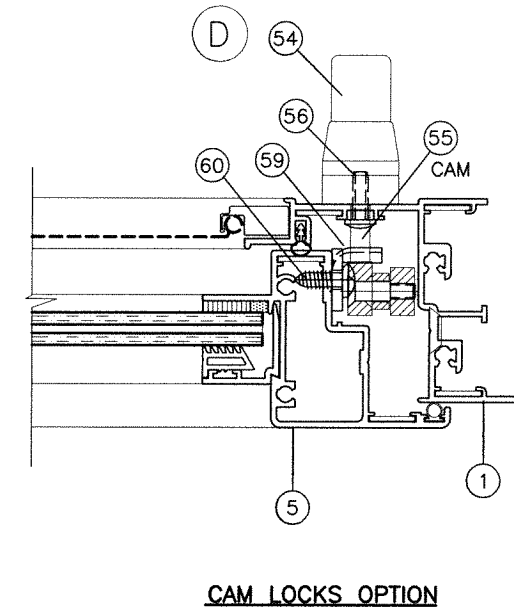
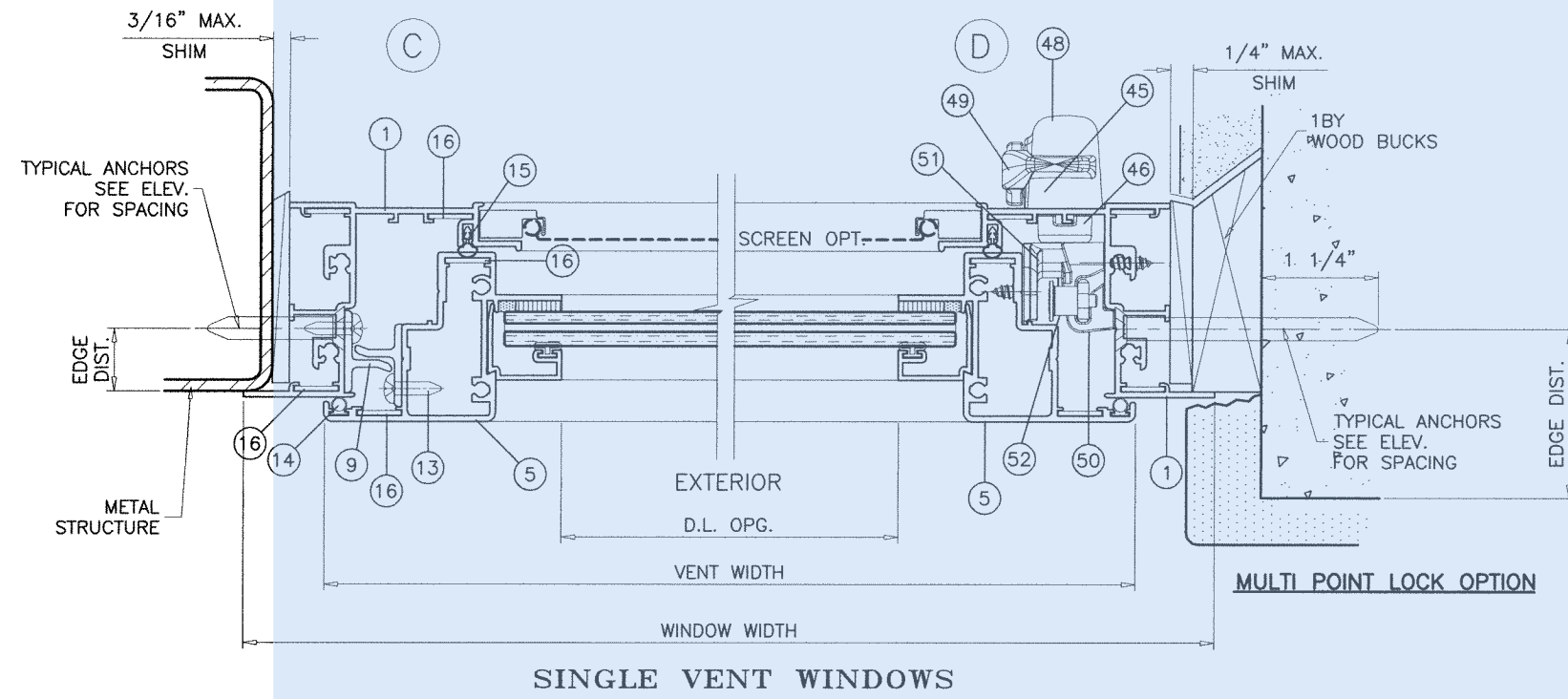
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drawing no. **21-68F**

sheet 5 of 12



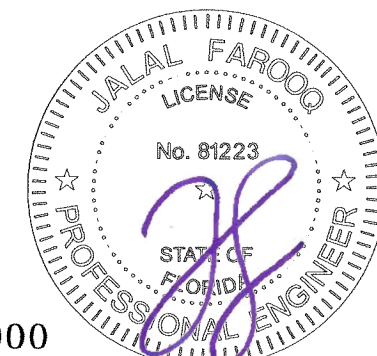
CORAL GABLES
THE CITY BEAUTIFUL

BUILDING DEPARTMENT

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SITE SET BLDR-24-04-5272

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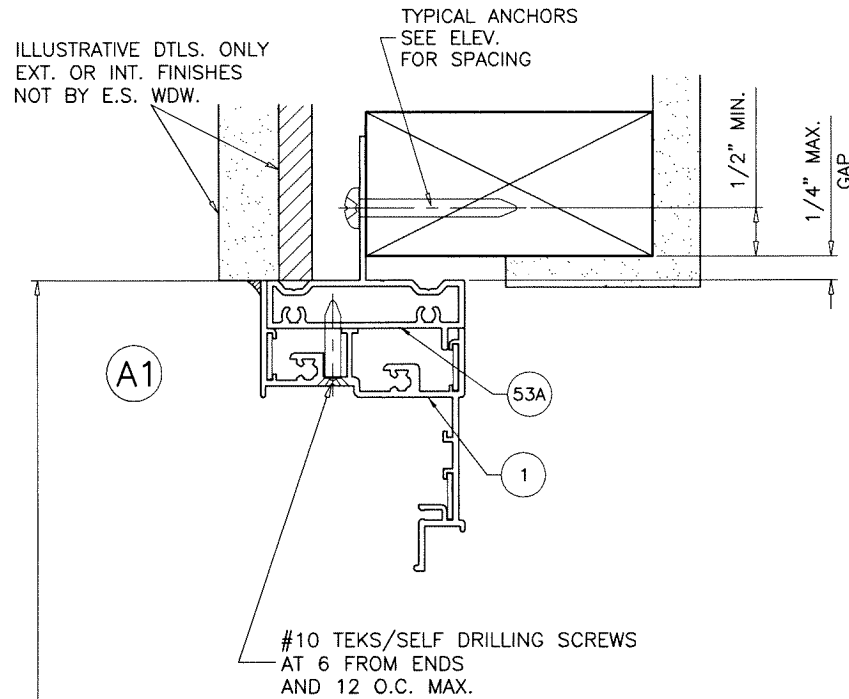
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drawing no.
21-68F

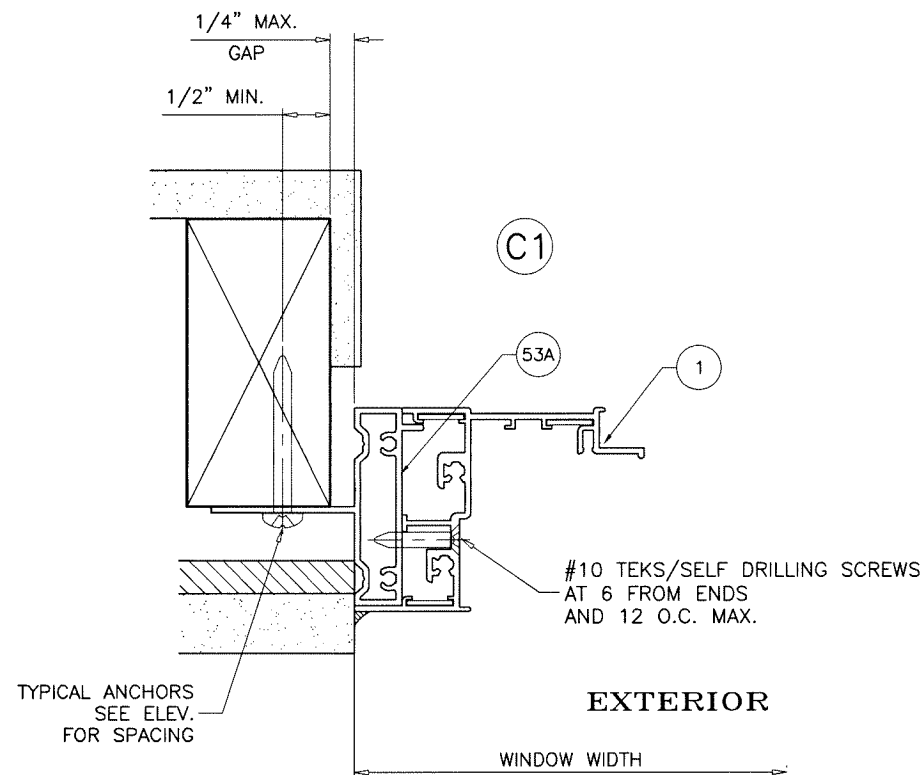
sheet 6 of 12

COMP-ANL\21-68F-ES

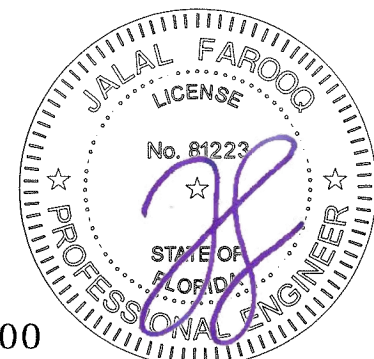
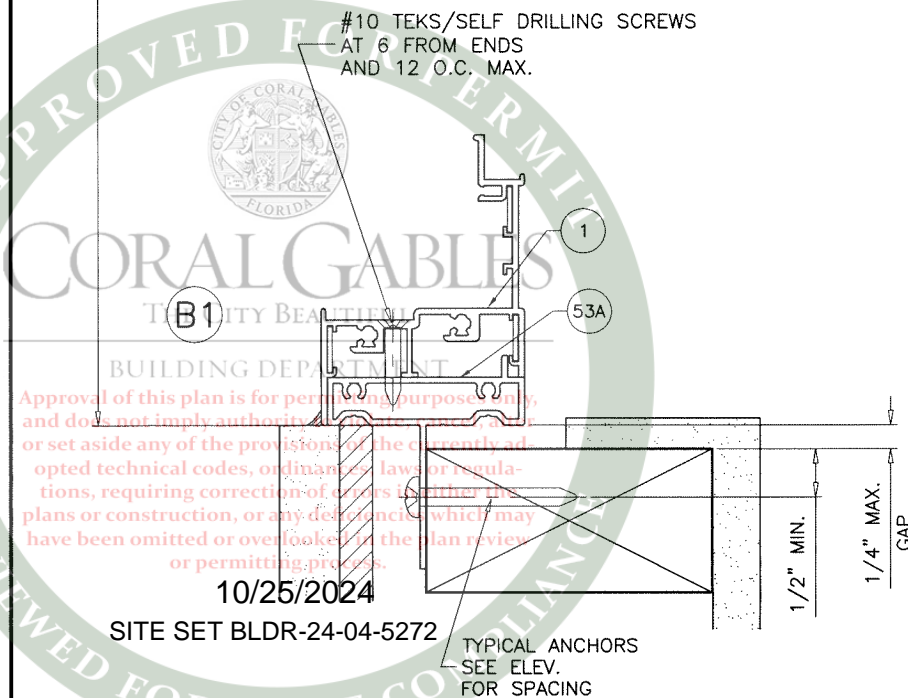
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TYPICAL ANCHORS: SEE ELEV. FOR SPACING
#12 WOOD SCREWS (GRADE 2 CRS)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/4" MIN. PENETRATION INTO WOOD



INSTALLATION DETAILS WITH FIN FRAME ADAPTERS
 SEE SHEETS 5 & 6 FOR WINDOW DETAILS



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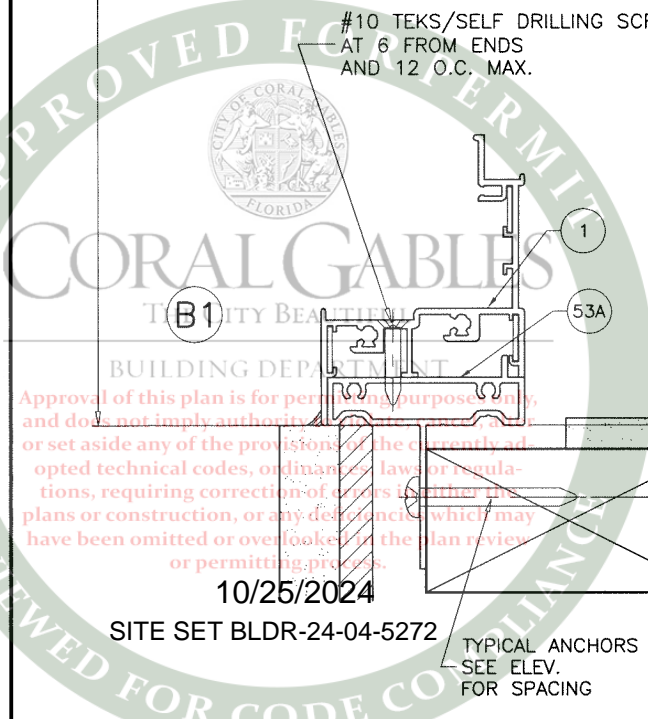
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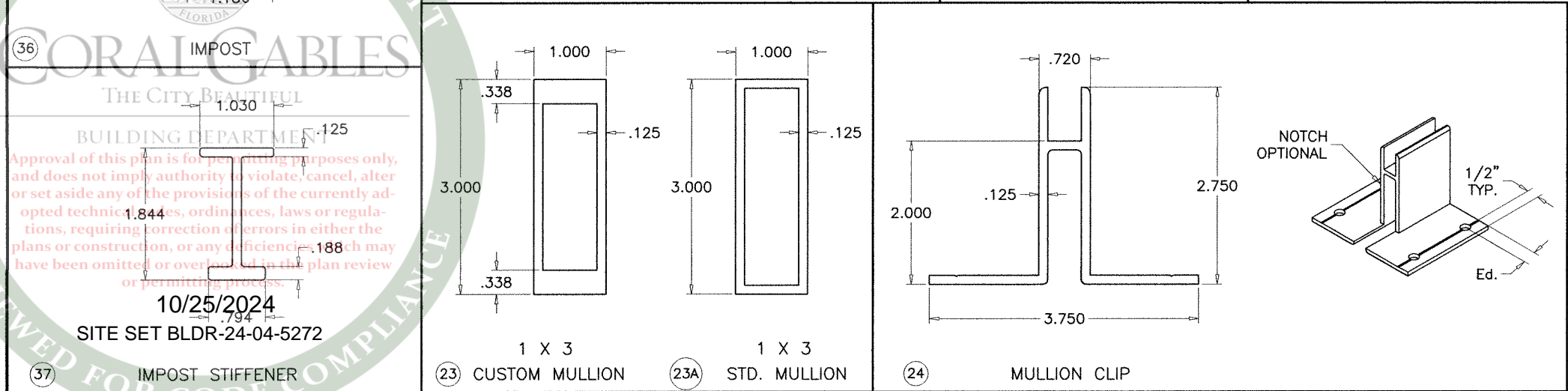
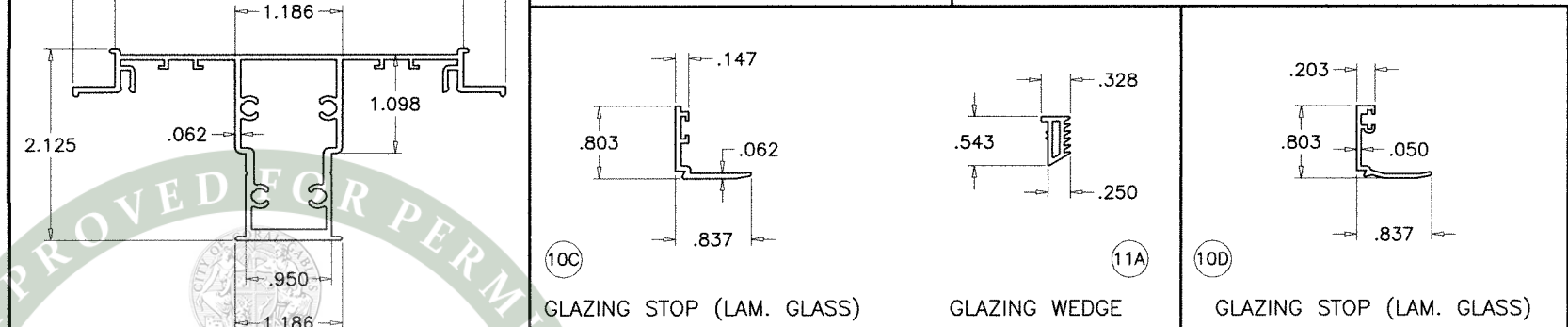
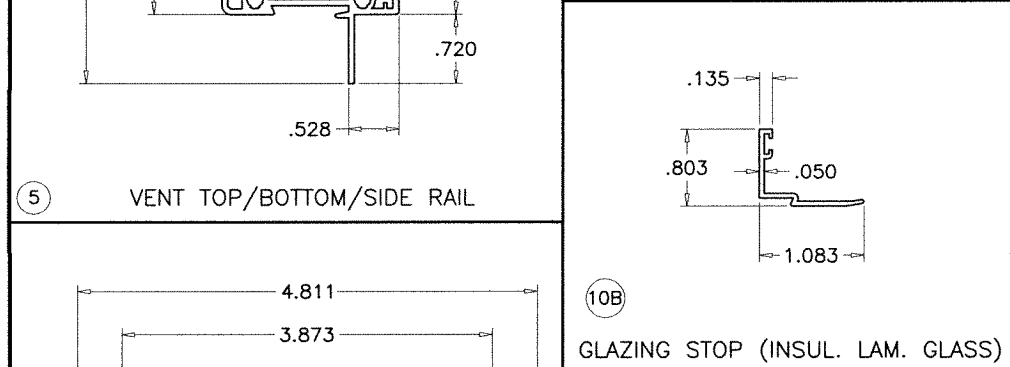
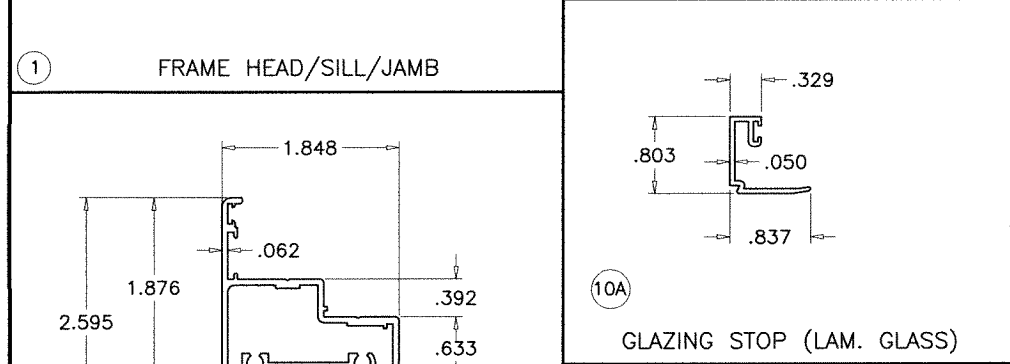
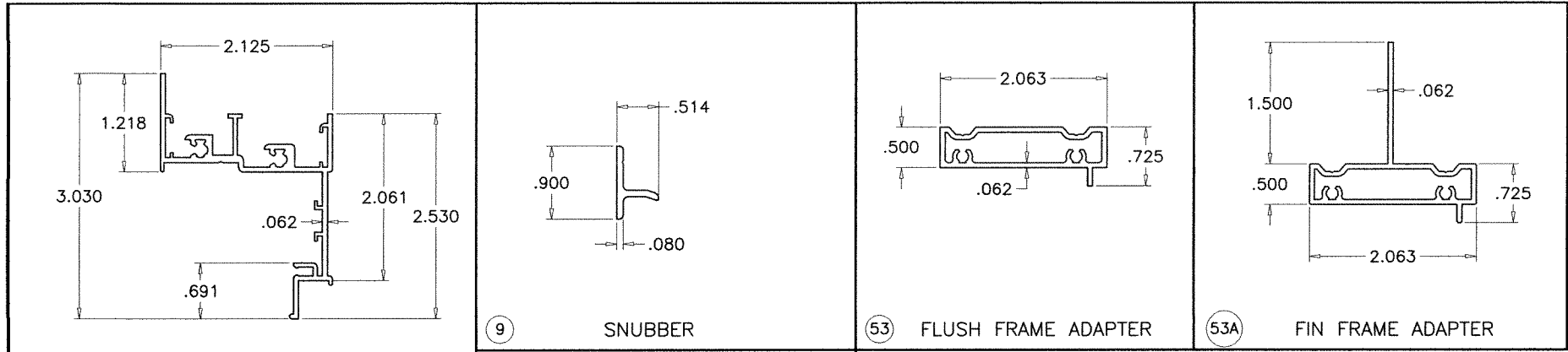
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 sheet 8 of 12

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FL #41000





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| sheet | | 9 of 12 | | | | | | | |



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FL #41000

| ITEM | PART # | QUANTITY | DESCRIPTION | MATERIAL | MANF./SUPPLIER/REMARKS |
|------|---------------|------------|---|--------------|---|
| 1 | ES5001 | 1 | FRAME HEAD/SILL/JAMB | 6063-T6 | - |
| 5 | ES5002 | 1/ VENT | VENT TOP/BOTTOM/SIDE RAIL | 6063-T6 | - |
| 9 | ES5004 | 2/ VENT | SNUBBERS, 2-1/2" LONG | 6063-T6 | - |
| 10A | ES1103 | AS REQD. | GLAZING BEAD (LAM. GLASS) | 6063-T5 | - |
| 10B | - | AS REQD. | GLAZING BEAD (INSUL. LAM. GLASS) | 6063-T5 | - |
| 10C | ES1008 | AS REQD. | GLAZING BEAD (LAM. GLASS) | 6063-T6 | - |
| 10D | ES-1017 | AS REQD. | GLAZING BEAD (LAM. GLASS) | 6063-T6 | - |
| 11 | 27-425 | AS REQD. | GLAZING GASKET | EPDM | DUROMETER 60±5 SHORE 'A' |
| 11A | ES1010 | AS REQD. | GLAZING WEDGE | SOFT PVC | DUROMETER 65±5 SHORE 'A' |
| 11B | 5008A | AS REQD. | GLAZING WEDGE | SILICONE | DUROMETER 65±5 SHORE 'A' |
| 12 | - | AS REQD. | FRAME & VENT ASSEMBLY SCREWS | - | #10 X 1-1/2" PH SMS |
| 12A | - | AS REQD. | FLUSH/FIN ADAPTER ASSEMBLY SCREWS | - | #10 X 1" PH SMS |
| 13 | - | 2/ SNUBBER | SNUBBER INSTALLATION SCREWS | - | #8 X 1/2" PH SMS |
| 14 | E202 | AS REQD. | OUTER WEATHERSTRIPPING (POLYPROPYLENE BASE, TPE BULB) | - | DUROMETER 65 SHORE 'A' |
| 15 | ES5005 | AS REQD. | INNER WEATHERSTRIPPING | EPDM | DUROMETER 60 SHORE 'A' |
| 16 | PJS40-SS | AS REQD. | CORNER LOCK | ST. STEEL | SULLIVAN & ASSOCIATES |
| 17 | 301SS | 2/ VENT | 4 BAR HINGES-HEAVY DUTY | - | TRUTH HARDWARE |
| 18 | - | 3/ HINGE | HINGE MOUNTING SCREWS AT FRAME | - | #10 X 1/2" PH SMS |
| 18A | - | 4/ HINGE | HINGE MOUNTING SCREWS AT VENT | - | #10 X 1/2" PH SMS |
| 19 | 23 SERIES | 1/ VENT | SINGLE ARM OPERATOR (AT 8-1/2" FROM ENDS) | - | TRUTH HARDWARE |
| 19A | NOVA | 1/ VENT | SINGLE ARM OPERATOR (AT 8-1/2" FROM ENDS) | - | INTERLOCK |
| 20 | - | 4/ OPER. | OPERATOR MOUNTING SCREWS | - | #10-24 X 3/8" PH SMS |
| 20A | - | 8/ OPER. | OPERATOR MOUNTING SCREWS | - | #8 X 1/2" FH SMS |
| 21 | 30175 | 1/ OPER. | 13-3/4" LONG TRACK | ST. STEEL | TRUTH HARDWARE |
| 21A | - | 1/ OPER. | OPERATOR TRACK | ST. STEEL | INTERLOCK |
| 22 | - | 2/ TRACK | TRACK MOUNTING SCREWS | - | #10 X 3/8" PH SS SMS |
| 22A | - | 3/ TRACK | TRACK MOUNTING SCREWS | - | #8 X 1/2" FH SMS |
| 23 | - | AS REQD. | 1X3 CUSTOM MULLION | 6063-T6 | - |
| 23A | - | AS REQD. | 1X3 STANDARD MULLION | 6063-T6 | - |
| 24 | - | AS REQD. | MULLION CLIP | 6063-T6 | - |
| 25 | 27-372 | 2/ LITE | SETTING BLOCK, 7/16" X 3/16" X 3-1/2" LONG | EPDM | AT 6" FROM EACH END, DUROMETER 75±5 SHORE A |
| 25A | NS-25-B04A S | 2/ LITE | SETTING BLOCK, 5/16" X 5/8" X 4" LONG | EPDM | AT 6" FROM EACH END, DUROMETER 75±5 SHORE A |
| 26 | - | 8/ LITE | TAPE SPACER (1/4" X 1/2") | FOAM | AT 6" FROM GLASS ENDS |
| 26A | - | AS REQD. | GLAZING TAPE (3/16" X 1/2") | POLYURETHANE | - |
| 30 | - | OPTIONAL | 5/16" BOX SCREEN | - | - |
| 33 | ES5009 | 2/ VENT | ANTI SAG SKATE, 2" LONG | NYLON/CELCON | M&M PLASTICS |
| 34 | - | 2/ SKATE | SKATE MOUNTING SCREWS | - | #6 x 1/2" PHSMS |
| 36 | ES5003 | 1 | IMPOST | 6063-T6 | |
| 37 | ES5010 | AS RQD. | IMPOST STIFFENER | 6063-T6 | |
| 45 | CL01-0500 | - | MULTI-POINT LOCK MECHANISM | | INTERLOCK |
| 46 | - | - | LOCK FASTENER PLATE | | - |
| 47 | - | 2/ LOCK | LOCK FASTENER SCREWS | | THREAD FORMING |
| 48 | CL01-2250-XXX | - | SNAP ON COVER | | - |
| 49 | CL01-1050-XXX | - | SNAP ON HANDLE | | - |
| 50 | - | - | GUIDE (ACETAL) | | - |
| 51 | - | - | KEEPER (ACETAL) | | - |
| 52 | - | - | LOCK BAR (304 ST/ST) | | - |
| 53 | ES-5017 | AS REQD. | FLUSH FRAME ADAPTER | 6063-T5 | OPTIONAL |
| 53A | ES-5023 | AS REQD. | FIN FRAME ADAPTER | 6063-T6 | OPTIONAL |
| 54 | - | 1/ VENT | LOCKING HANDLE | - | SULLIVAN & ASSOC. |
| 55 | - | 2/ VENT | LOCKING CAM (AT 11-1/2" & 50-1/2" FROM BOTTOM) | - | SULLICAN & ASSOC. |
| 56 | - | 2/ LOCK | LOCK MOUNTING SCREWS | - | #6-32 x 1/2 PH MS |
| 57 | ES5013 | 1/ VENT | LOCK HANDLE/CAM CONNECTOR | - | 1/4" x 1/2" ALUM. BAR |
| 58 | ES5011 | 2/ BAR | CONNECTOR SCREWS | - | CUSTOM |
| 59 | CS-200K-SS | 2/ VENT | KEEPERS (AT 12" & 51" FROM BOTTOM) | ST STEEL | SULLIVAN & ASSOC. |
| 60 | 10/25/2024 | KEEPER | KEEPER MOUNTING SCREWS | - | #10 X 3/8" PH SMS |

SITE SET BLDR-24-04-5272

SEALANTS:

ALL FRAME AND VENT CORNERS AND INSTALLATION SCREWS SEALED WITH CLEAR/ALUMINUM COLORED SEALANT.



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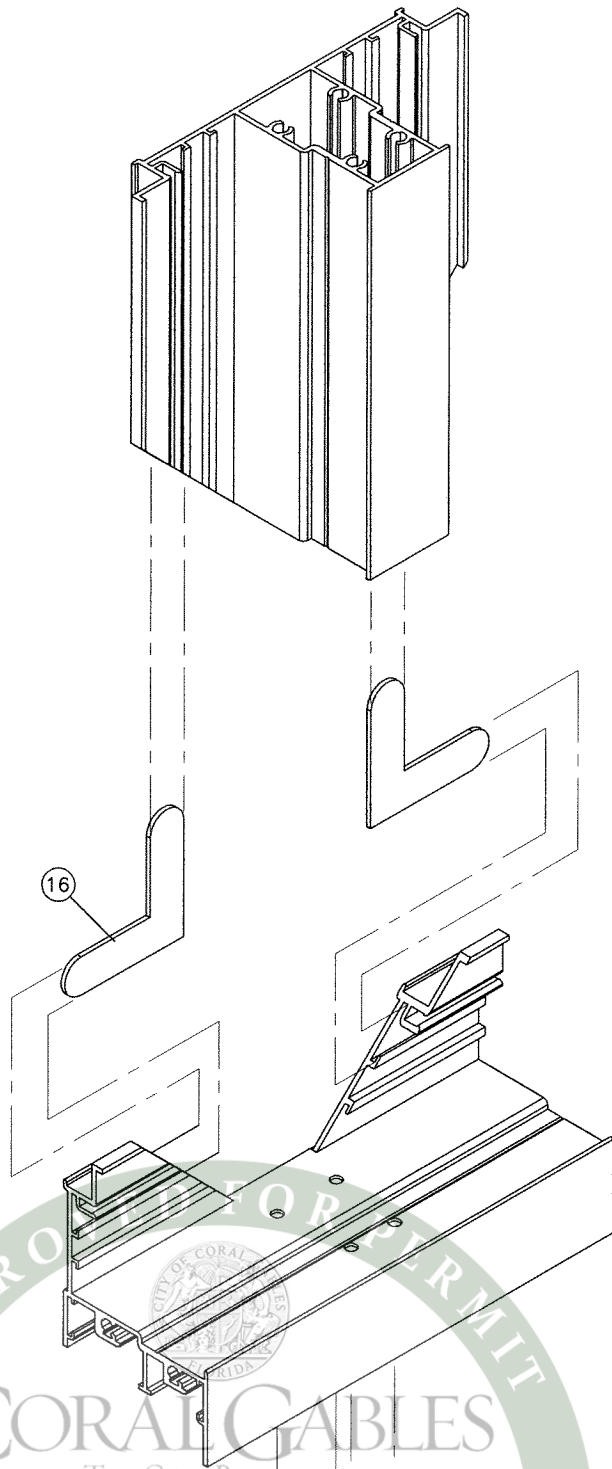
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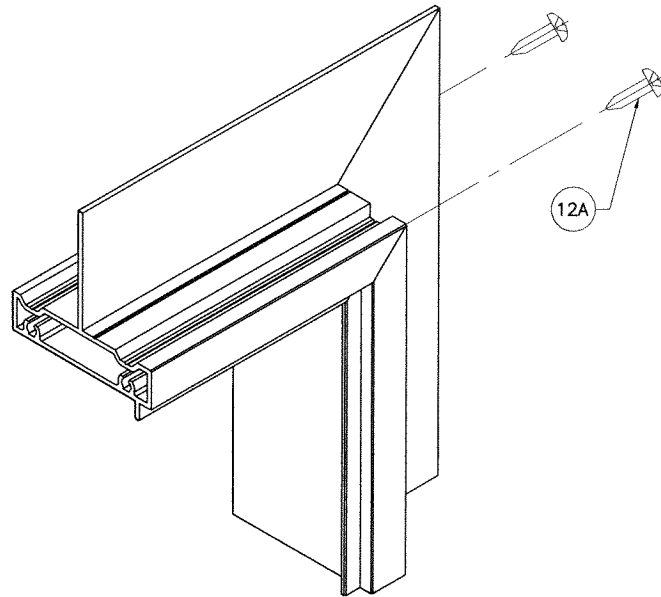
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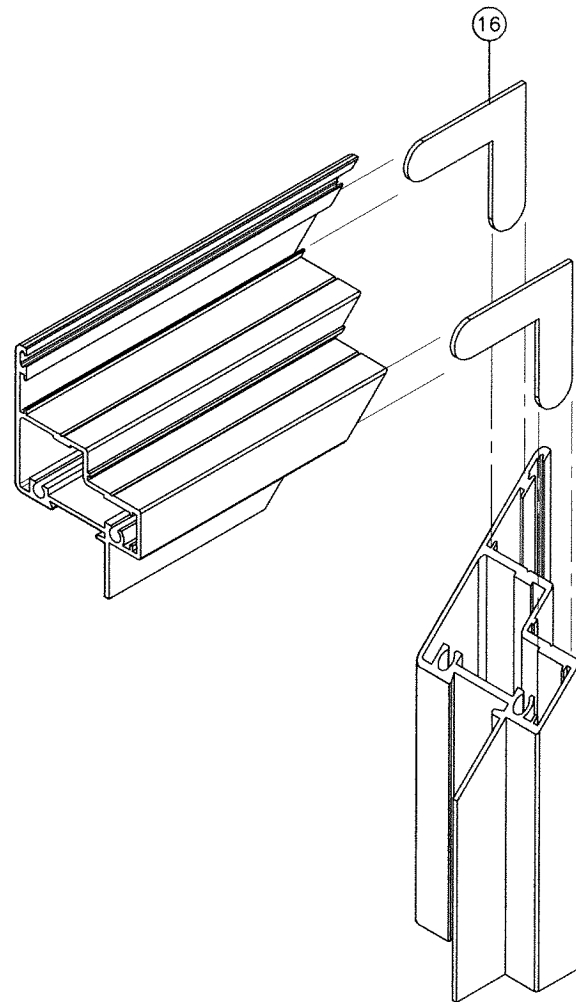
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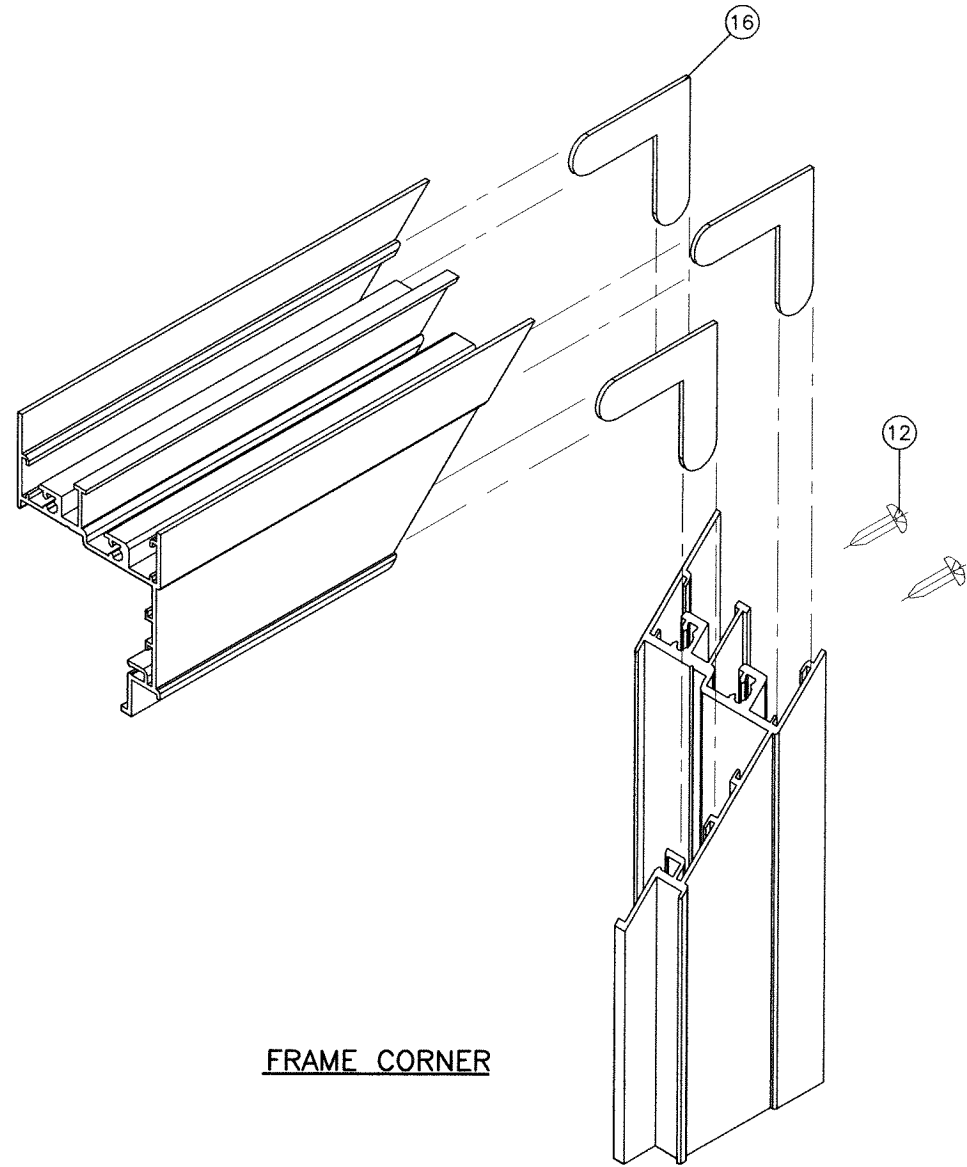
IMPOST CORNER



ADAPTER CORNER



VENT CORNER



FRAME CORNER

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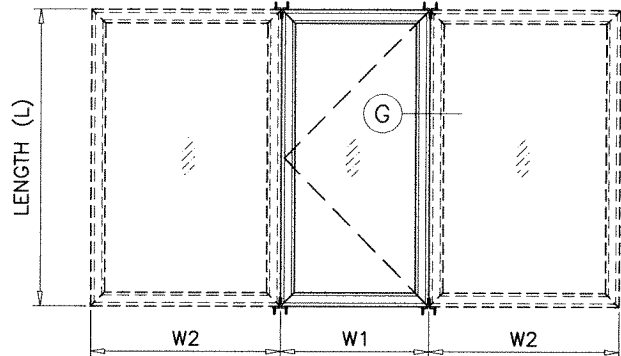
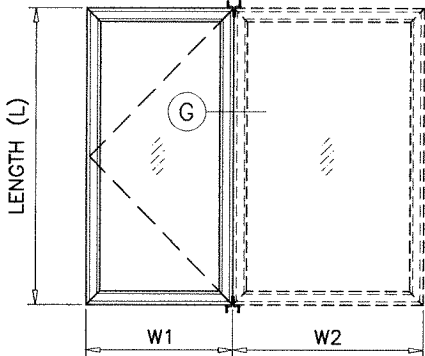
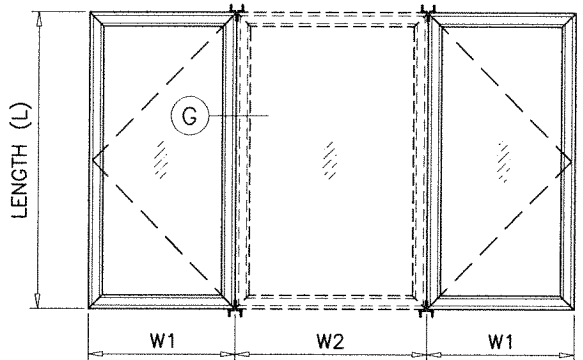
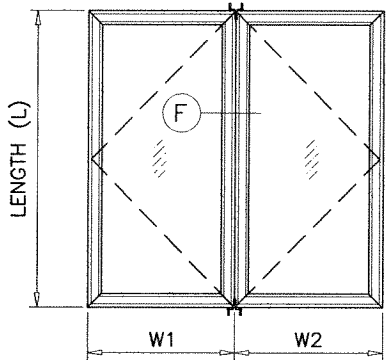
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COMP-ANL\21-68F-ES

| MULLION LOAD CAPACITY - PSF | | | |
|-----------------------------|------------|-----------------|-------------------|
| WINDOW DIMS. | | 1 X 3 STD. MULL | 1 X 3 CUSTOM MULL |
| WIDTH (W) | LENGTH (L) | EXT.(+) INT.(-) | EXT.(+) INT.(-) |
| 26-1/2" | 58" | 90.0 | 90.0 |
| 37" | | 90.0 | 90.0 |
| 42" | | 90.0 | 90.0 |
| 45" | | 90.0 | 90.0 |
| 48" | | 90.0 | 90.0 |
| 53-1/8" | | 90.0 | 90.0 |
| 62" | | 90.0 | 90.0 |
| 26-1/2" | 63" | 90.0 | 90.0 |
| 37" | | 90.0 | 90.0 |
| 42" | | 90.0 | 90.0 |
| 45" | | 90.0 | 90.0 |
| 48" | | 90.0 | 90.0 |
| 53-1/8" | | 90.0 | 90.0 |
| 62" | | 90.0 | 90.0 |
| 26-1/2" | 74-1/4" | 90.0 | 90.0 |
| 37" | | 90.0 | 90.0 |
| 42" | | 83.3 | 90.0 |
| 45" | | 79.4 | 90.0 |
| 48" | | 76.1 | 90.0 |
| 53-1/8" | | 71.7 | 90.0 |
| 26-1/2" | 76" | 90.0 | 90.0 |
| 37" | | 85.0 | 90.0 |
| 42" | | 77.2 | 90.0 |
| 45" | | 73.5 | 90.0 |
| 48" | | 70.4 | 88.3 |
| 51" | | 67.8 | 85.0 |

| MULLION LOAD CAPACITY - PSF | | | |
|-----------------------------|------------|-----------------|-------------------|
| WINDOW DIMS. | | 1 X 3 STD. MULL | 1 X 3 CUSTOM MULL |
| WIDTH (W) | LENGTH (L) | EXT.(+) INT.(-) | EXT.(+) INT.(-) |
| 30" | 54" | 90.0 | 90.0 |
| 36" | | 90.0 | 90.0 |
| 42" | | 90.0 | 90.0 |
| 48" | | 90.0 | 90.0 |
| 54" | | 90.0 | 90.0 |
| 60" | | 90.0 | 90.0 |
| 62" | | 90.0 | 90.0 |
| 30" | 60" | 90.0 | 90.0 |
| 36" | | 90.0 | 90.0 |
| 42" | | 90.0 | 90.0 |
| 48" | | 90.0 | 90.0 |
| 54" | | 90.0 | 90.0 |
| 60" | | 90.0 | 90.0 |
| 62" | | 90.0 | 90.0 |
| 30" | 66" | 90.0 | 90.0 |
| 36" | | 90.0 | 90.0 |
| 42" | | 90.0 | 90.0 |
| 48" | | 90.0 | 90.0 |
| 54" | | 90.0 | 90.0 |
| 59" | | 90.0 | 90.0 |
| 30" | 72" | 90.0 | 90.0 |
| 36" | | 90.0 | 90.0 |
| 42" | | 90.0 | 90.0 |
| 48" | | 84.5 | 90.0 |
| 54" | | 79.2 | 90.0 |
| 62" | | 90.0 | 90.0 |
| 30" | 76" | 90.0 | 90.0 |
| 36" | | 86.9 | 90.0 |
| 42" | | 77.2 | 90.0 |
| 48" | | 70.4 | 88.3 |
| 51" | | 67.8 | 85.0 |
| 62" | | 90.0 | 90.0 |

CLIPPED MULLIONS



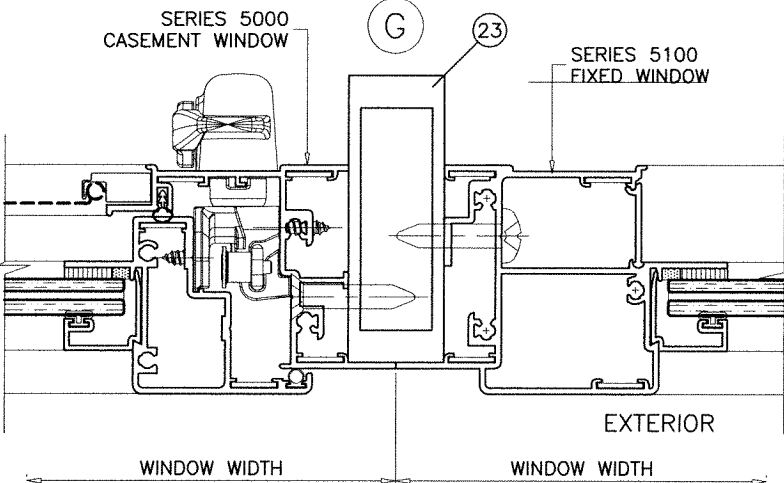
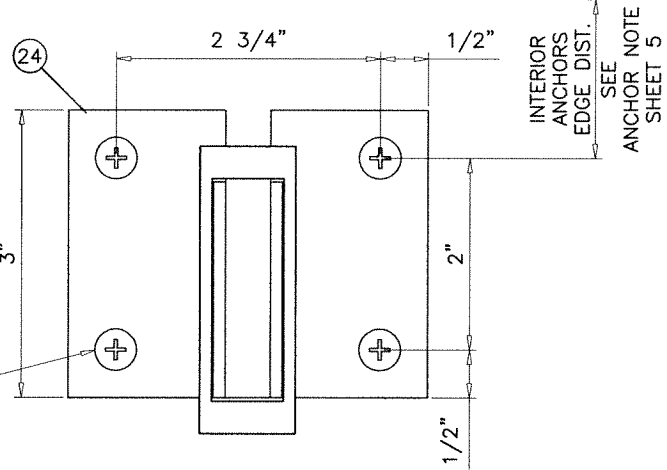
TYPICAL ELEVATIONS
SIDE BY SIDE WINDOWS

SIDE BY SIDE APPLIES TO TWO OR MORE WINDOWS

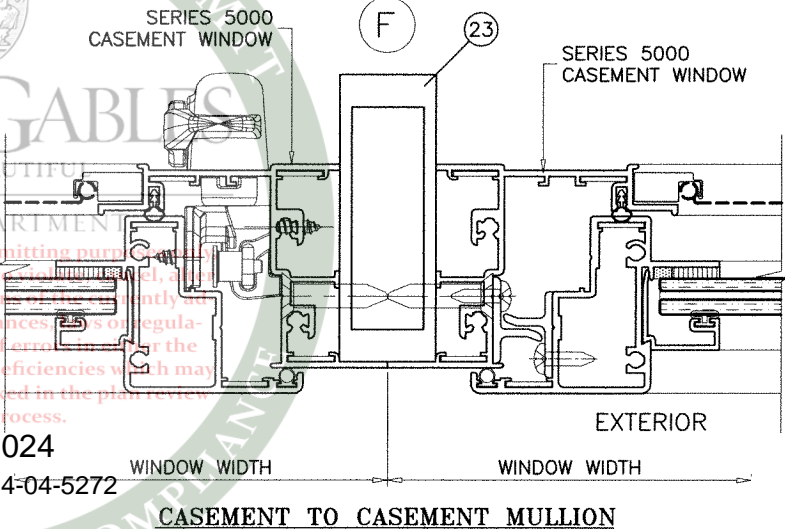
WIDTH (W) = $\frac{W1 + W2}{2}$

- NOTES:
1. USE CHART ON THIS SHEET FOR SIDE BY SIDE CONNECTION CAPACITY OF WINDOW MULLION.
 2. FOR CASEMENT WINDOW CAPACITY SEE SHEET 3 OF 12.
 3. FOR FIXED WINDOW CAPACITY SEE SEPARATE APPROVAL.
 4. LOWER VALUES FROM STEPS 1, 2 OR 3 WILL APPLY TO ENTIRE SYSTEM.

TYPICAL ANCHORS
4 PER CLIP
SEE SHEET 4
FOR DESCRIPTION



CASEMENT TO FIXED MULLION



CASEMENT TO CASEMENT MULLION



Sealed: 7/31/2023
FL #41000

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
FAX. (305) 262-6978
WWW.AFCENG.COM

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

| | | | |
|----------|------------------|---------------|----------|
| 08-30-21 | scale: 1/2" = 1" | dr. by: TARIQ | chk. by: |
|----------|------------------|---------------|----------|

drawing no.
21-68F
sheet 12 of 12



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/building

PA-03

E.S. 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 "EL-150" Aluminum Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W16-70**, titled "ES-EL150 Fixed Aluminum Wdw. (L.M.I)", sheets 1, 2, 2.1, 3, 3.1, 4 and 5 through 9 of 9, dated 11/13/16, with revision **E** dated 06/29/23, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control 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, **Barranquilla, Colombia**, 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.

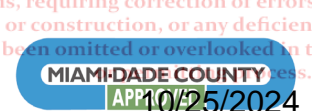
TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate 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 **NOA No. 22-0105.01** and consists of this page 1 and evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

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



SITE SET BLDR-24-04-5272

Manuel Perez, P.E.
8/15/23

NOA No. 23-0714.17
Expiration Date: May 18, 2027
Approval Date: August 24, 2023

Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA No. 16-0617.05)
2. Drawing No. **W16-70**, titled "ES-EL150 Fixed Aluminum Wdw. (L.M.I)", sheets 1, 2, 2.1, 3, 3.1, 4 and 5 through 9 of 9, dated 11/13/16, with revision **D** dated 06/15/21, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
(Submitted under NOA No. 21-0708.03)

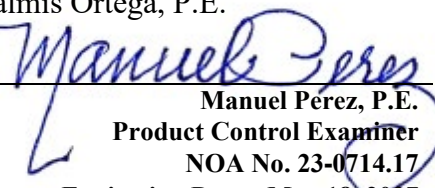
B. TESTS

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
6) Safety Performance Test, (class A) per ANSI Z97.1
along with marked-up drawings and installation diagram of a series EL-150 aluminum fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-12002**, dated 04/30/20, signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 20-1223.01)
2. 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
6) Safety Performance Test, (class A) per ANSI Z97.1
along with marked-up drawings and installation diagram of a series EL-150 aluminum fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-11035**, dated 04/30/20, signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 20-1223.01)
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
6) Safety Performance Test, (class A) per ANSI Z97.1
along with marked-up drawings and installation diagram of a series EL-150 aluminum fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-11027**, dated 04/23/20, signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 20-1223.01)

Approval of this plan is for permitting purposes only and does not imply authority to enforce or set aside any of the provisions of the currently adopted technical codes, ordinances, laws or regulations, requiring correction of errors in either the plans or construction, or any deficiencies which may have been omitted or overlooked in the plan review or permitting process.

10/25/2024

SITE SET BLDR-24-04-5272


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0714.17
Expiration Date: May 18, 2027
Approval Date: August 24, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

B. TESTS (CONTINUED)

4. 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
along with marked-up drawings and installation diagram of aluminum fixed window, prepared by Blackwater Testing, Inc., Test Report No. **BT-ESW-16-004**, dated 11/14/16, and revised on 05/10/17, signed and sealed by Constantin Bortes, P.E.
(Submitted under NOA No. 16-0617.05)
5. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of aluminum fixed window, prepared by Blackwater Testing, Inc., Test Report No. **BT-ESW-17-012**, dated 05/10/17, signed and sealed by Constantin Bortes, P.E.
(Submitted under NOA No. 16-0617.05)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 5th Edition (2014)**, dated 11/16/16, revised on 12/21/16, updated on 11/09/20 to comply with **FBC 7th Edition (2020)** and further revised on 06/29/21 to include additional window sizes, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
(Submitted under NOA No. 21-0708.03)
2. Glazing complies with **ASTM E1300-09**

D. QUALITY ASSURANCE

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

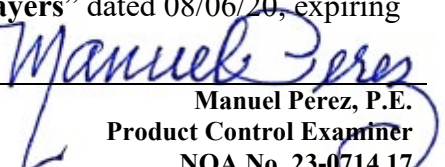
E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **20-0915.22** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**" dated 11/19/20, expiring on 07/08/24.
2. Notice of Acceptance No. **20-0915.19** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Glass Interlayers**" dated 11/19/20, expiring on 07/04/23.
3. Notice of Acceptance No. **20-0622.03** issued to **Eastman Chemical Company (MA)** for their "**Saflex Storm - Saflex and Saflex HP Composite Glass Interlayers with PET Core**" dated 08/06/20, expiring on 12/11/23.
4. Notice of Acceptance No. **20-0622.01** issued to **Eastman Chemical Company (MA)** for their "**Saflex PVB Clear and Color Glass Interlayers**" dated 08/06/20, expiring on 05/21/21.

Approval of this plan is for permitting purposes only, and does not imply authorization to cancel, alter or set aside any of the provisions of the currently adopted technical codes, ordinances, laws or regulations, requiring correction of errors in either the plans or construction, or any deficiencies which may have been omitted or overlooked in the plan review or permitting process.

10/25/2024

SITE SET BLDR-24-04-5272


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0714.17
Expiration Date: May 18, 2027
Approval Date: August 24, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

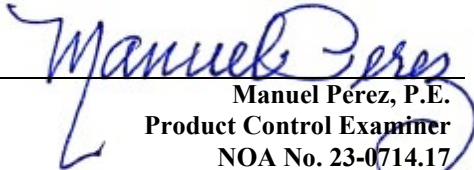
1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)
F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 7th Edition (2020)** dated February 20, 2020, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
(Submitted under NOA No. 22-0105.01)
2. Statement letter of conformance, complying with **FBC 6th Edition (2017)**, with **FBC 7th Edition (2020)**, and of no financial interest, dated November 09, 2020, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
(Submitted under NOA No. 20-1223.01)
3. Proposal No. **18-0784** issued by the Product Control Section, dated June 29, 2018, signed by Manuel Perez, P.E.
(Submitted under NOA No. 20-1223.01)
4. Proposal No. **19-1230** issued by the Product Control Section, dated November 18, 2019, signed by Manuel Perez, P.E.
(Submitted under NOA No. 20-1223.01)

G. OTHERS

1. Notice of Acceptance No. **21-0708.03**, issued to E.S. Windows, LLC, for their Series "EL-150" Aluminum Fixed Windows – L.M.I., approved on 09/02/21 and expiring on 05/18/22.




Manuel Pérez, P.E.
Product Control Examiner
NOA No. 23-0714.17
Expiration Date: May 18, 2027
Approval Date: August 24, 2023

E.S. Windows, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **W16-70**, titled “ES-EL150 Fixed Aluminum Wdw. (L.M.I)”, sheets 1, 2, 2.1, 3, 3.1, 4 and 5 through 9 of 9, dated 11/13/16, with revision **E** dated 06/29/23, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **20-0915.22** issued to **Kuraray America, Inc.** for their “**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**” dated 11/19/20, expiring on 07/08/24.
2. Notice of Acceptance No. **22-1116.01** issued to **Kuraray America, Inc.** for their “**SentryGlas® (Clear and White) Glass Interlayers**” dated 12/15/22, expiring on 07/04/28.
3. Notice of Acceptance No. **22-1130.05** issued to **Eastman Chemical Company (MA)** for their “**Saflex Storm - Saflex and Saflex HP Composite Glass Interlayers with PET Core**” dated 01/26/23, expiring on 12/11/28.
4. Notice of Acceptance No. **21-0216.01** issued to **Eastman Chemical Company (MA)** for their “**Saflex PVB Interlayers - Clear and Colored for Glass**” dated 04/29/21, expiring on 05/21/26.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 7th Edition (2020)**, with **FBC 8th Edition (2023)**, and of no financial interest, dated July 12, 2023, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.


G. OTHERS

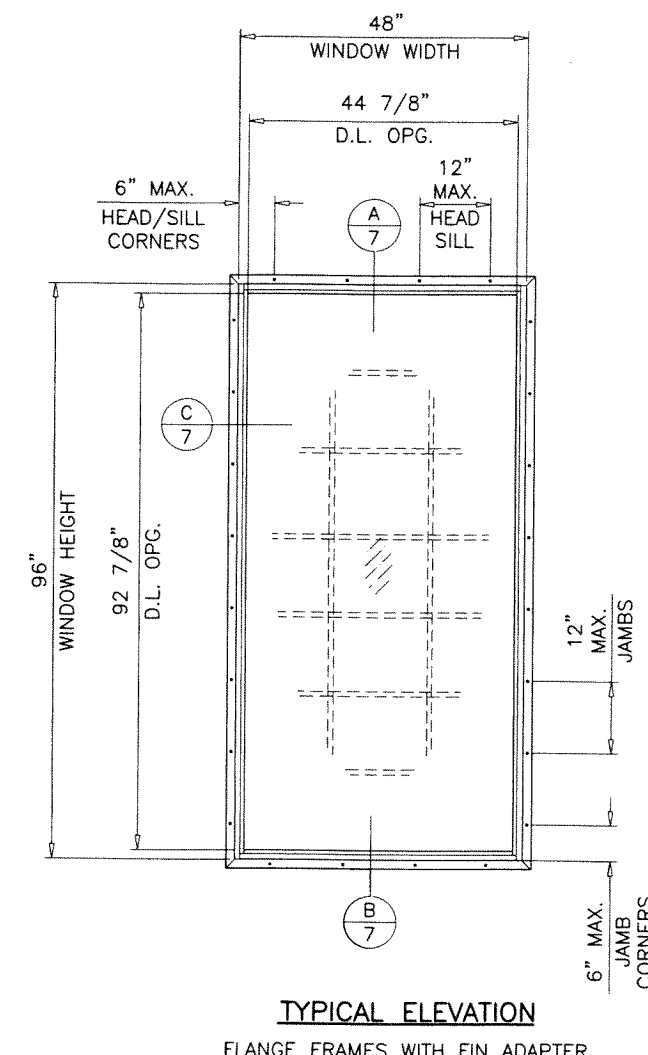
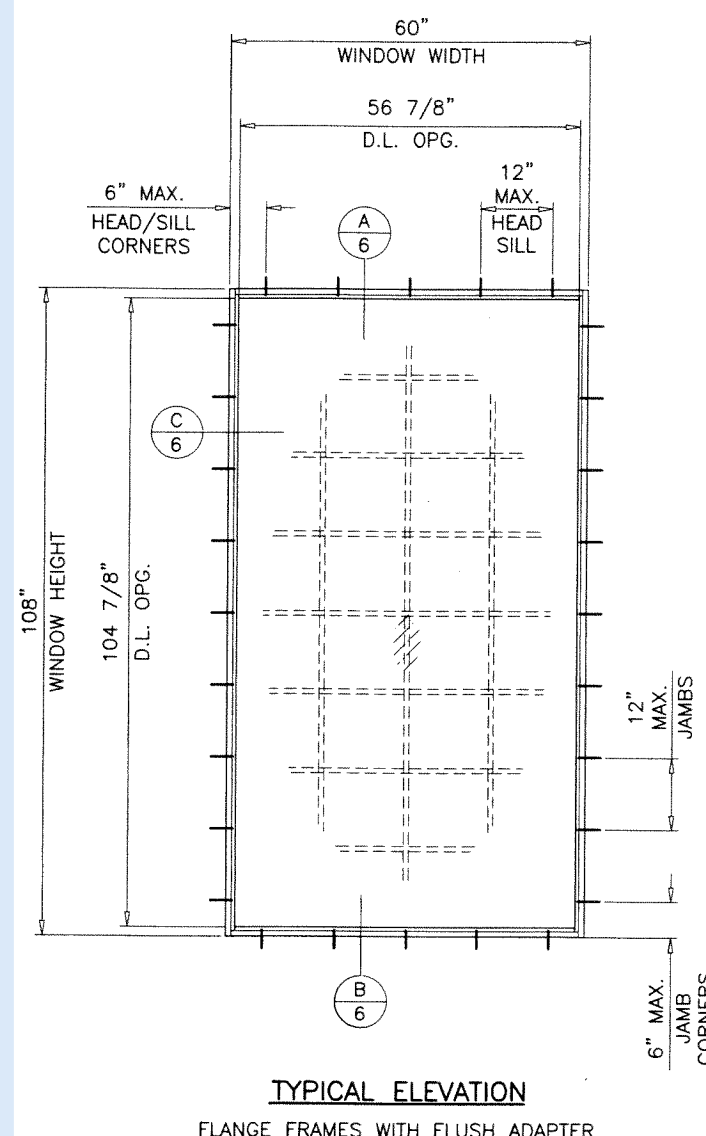
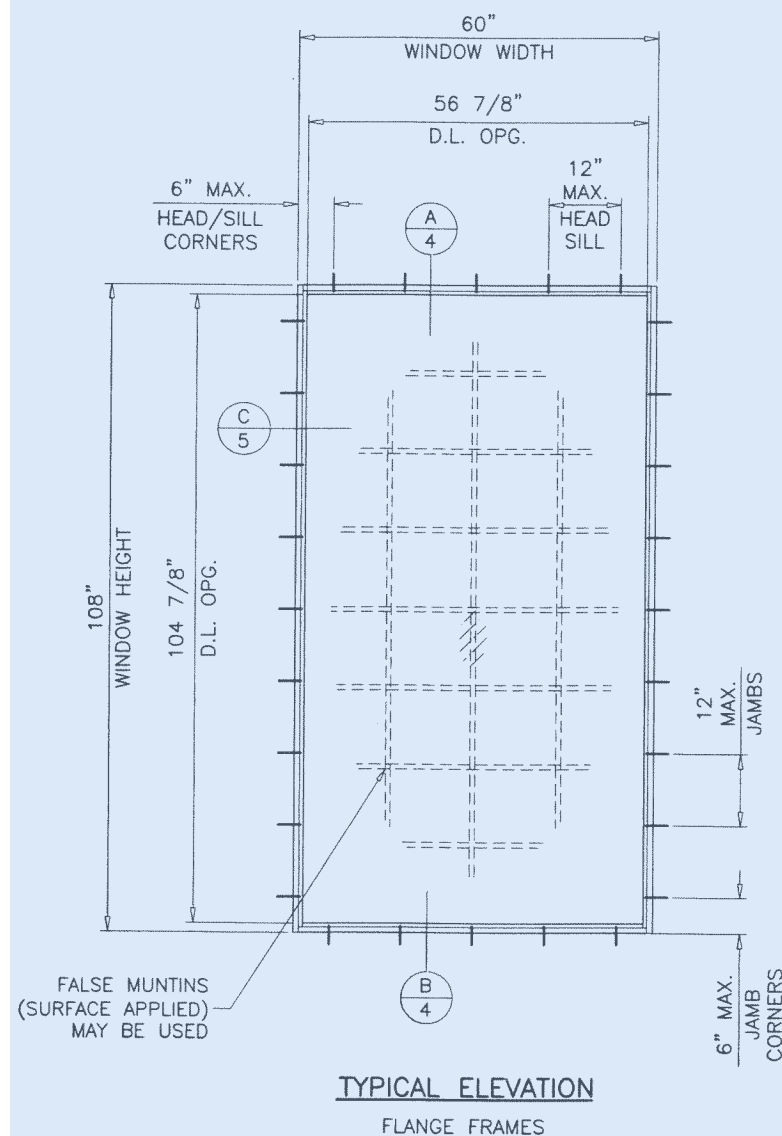
1. Notice of Acceptance No. **22-0105.01**, issued to E.S. Windows, LLC, for their Series “**EL-150**” Aluminum Fixed Windows – L.M.I., approved on 02/10/22 and expiring on 05/18/27.

Approval of this plan is for permitting purposes only, and does not imply authority to violate, cancel, alter or set aside any of the provisions of the currently adopted technical codes, ordinances, laws or regulations, requiring correction of errors in either the plans or construction, or any deficiencies which may have been omitted or overlooked in the plan review or permitting process.

10/25/2024

SITE SET BLDR-24-04-5272


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 23-0714.17
Expiration Date: May 18, 2027
Approval Date: August 24, 2023



ES-EL150

FIXED ALUMINUM WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEETS 3 AND 3.1.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF FIX./FIX. OR FIXED WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN. LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

BUILDING DEPARTMENT

Approval of this plan is for permitting purposes only, and does not imply authority to violate, cancel, alter or set aside any of the provisions of the currently adopted technical codes, ordinances, laws or regulations, requiring correction of errors in either the plans or construction, or any deficiencies which may have been omitted or overlooked in the plan review or permitting process.

10/25/2024

SITE SET BLDR-24-04-5272

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2020 (7TH EDITION)/2023 (8TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.

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.

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 2020/2023 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.

DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.

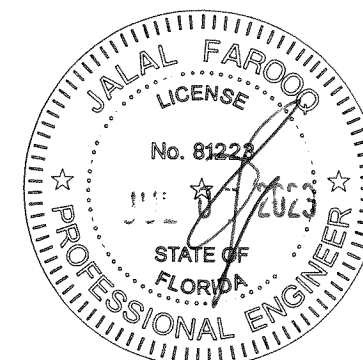
DAYLITE OPENINGS:

D.L.O. HEIGHT = WINDOW HEIGHT - 3.125"
D.L.O. WIDTH = WINDOW WIDTH - 3.125"

WINDOWS WITH GLASS TYPES 'AA', 'BB' & 'AAi' COMPLY WITH REQUIREMENTS OF ANSI Z97.1.

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

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **23-0714.17**
Expiration Date: **05/18/2027**
By: *Manuel Bern*
Miami-Dade Product Control

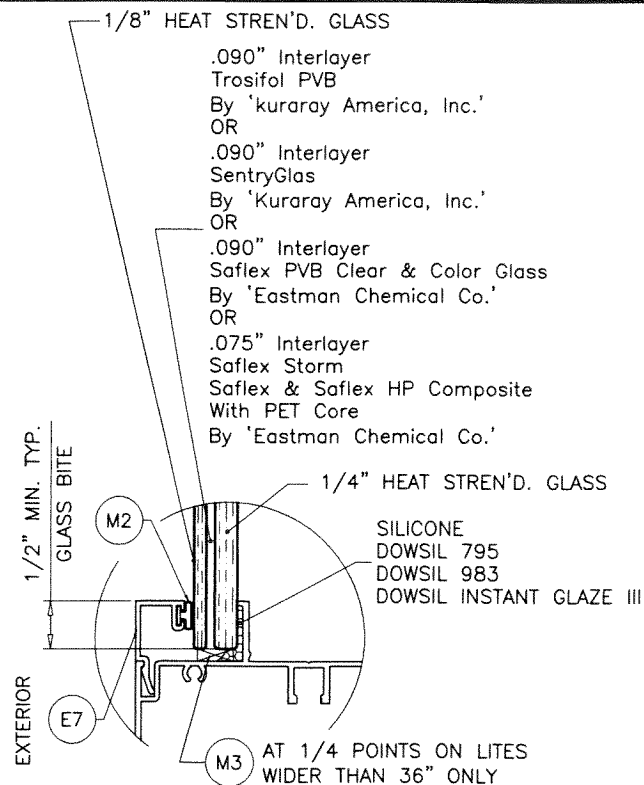


AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
(C.A.N. 3538)

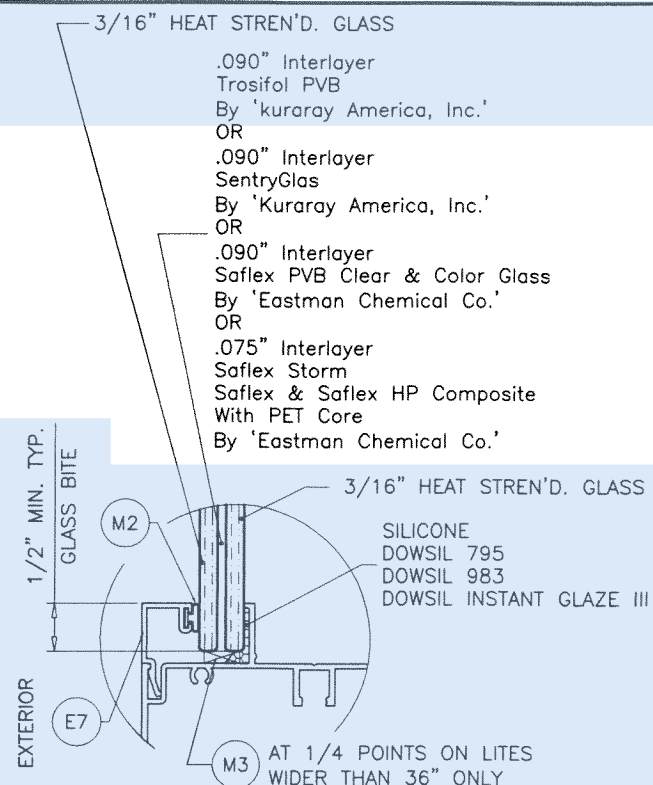
ES-EL150 FIXED ALUMINUM WDW. (L.M.I.)
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

| revisions: | no. | date | description | by |
|------------|-----|----------|----------------------|----|
| | A | 05.12.17 | NO CHANGE THIS SHEET | |
| | B | 11.27.17 | UPDATED TO 2017 FBC | |
| | C | 06.22.20 | GENERAL REVISION | |
| | D | 06.15.21 | NO CHANGE THIS SHEET | |
| | E | 06.29.23 | UPDATED TO 2023 FBC | |

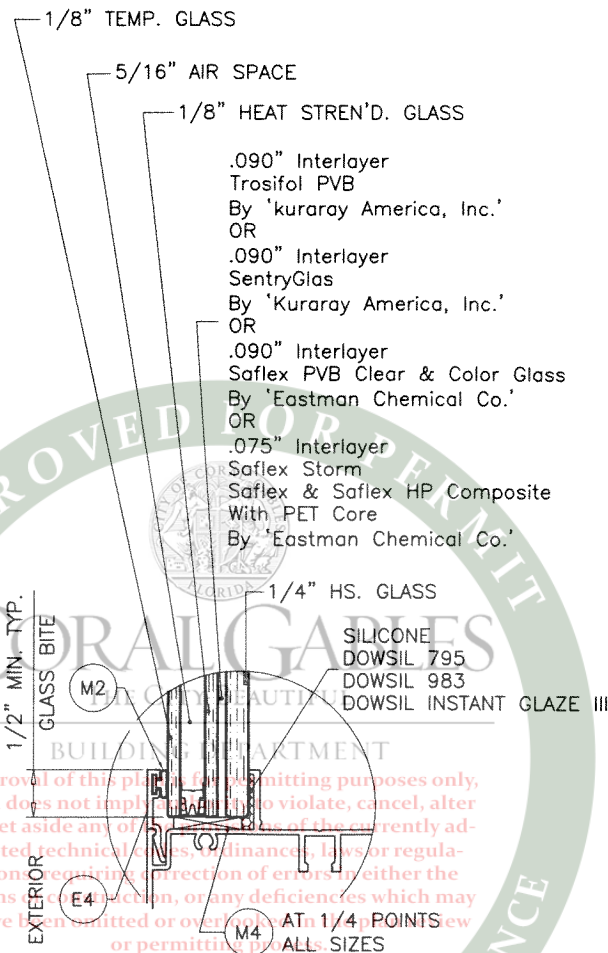
date: 11-13-16
scale: 1/2"=1'-0"
dr. by: TARIQ
chk. by:
drawing no.
W16-70
sheet 1 of 9



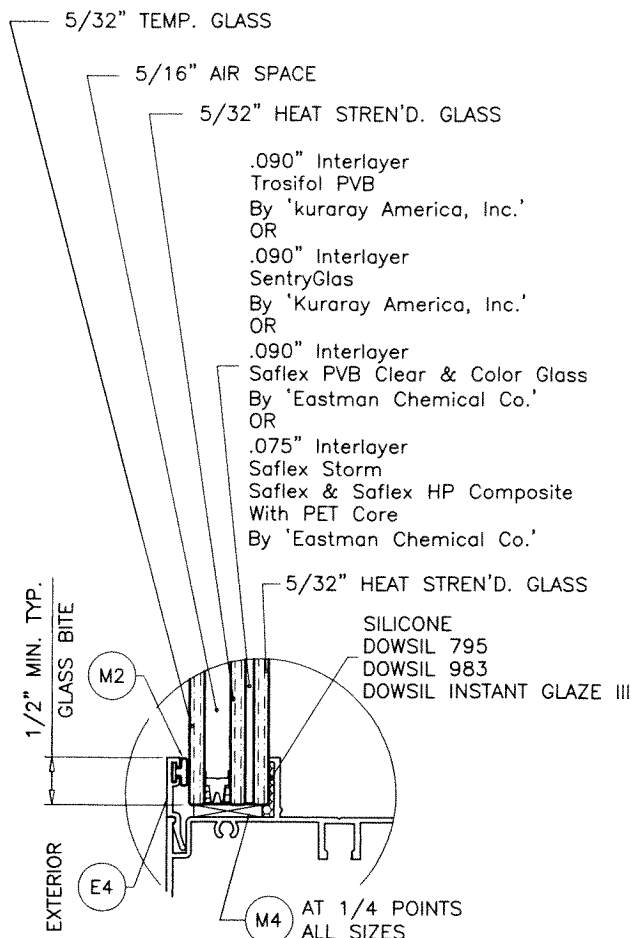
GLASS TYPE 'A'
7/16" OVERALL LAM. GLASS



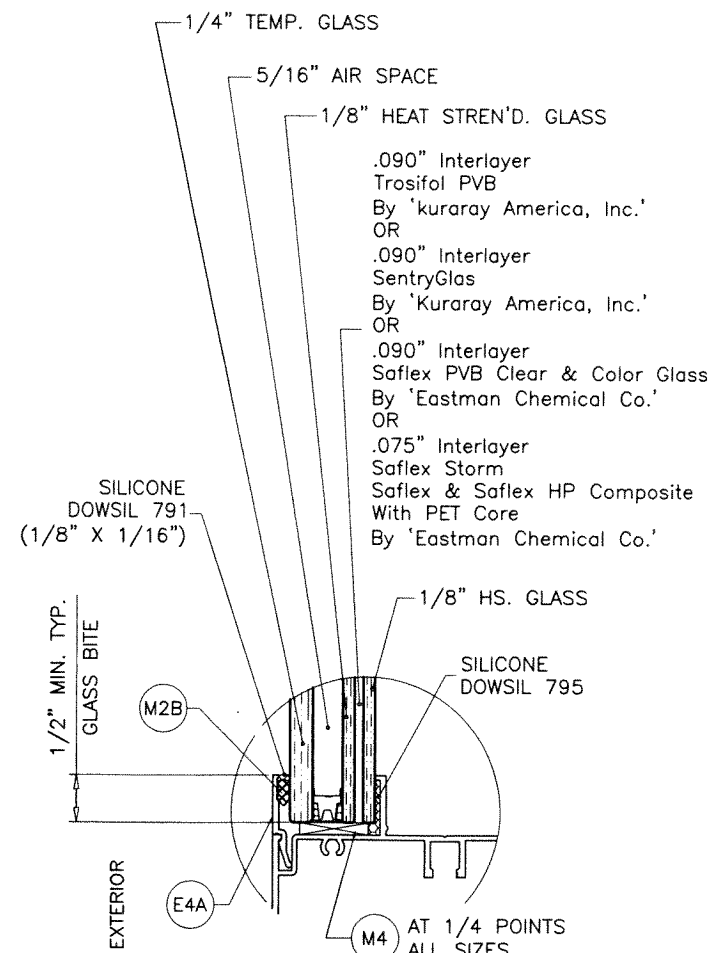
GLASS TYPE 'B'
7/16" OVERALL LAM. GLASS



GLASS TYPE 'Ai'
7/8" OVERALL INSUL. LAM. GLASS



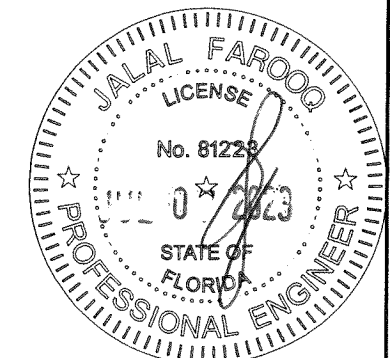
GLASS TYPE 'Di'
7/8" OVERALL INSUL. LAM. GLASS



GLASS TYPE 'Ei'
7/8" OVERALL INSUL. LAM. GLASS

5/16" AIR SPACE CONSISTING OF:
SPACER:
'HELIMA' LOW PROFILE ALUMINUM SPACER
BY 'LINGERMANN GMBH'
AROUND THE PERIMETER OF THE GLASS.
PERIMETER SEALANT:
SILICONE
DOWSIL 791
GE 2000

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **23-0714.17**
Expiration Date: **05/18/2027**
By: *Manuel Torres*
Miami-Dade Product Control



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP - ANL W16-70ES

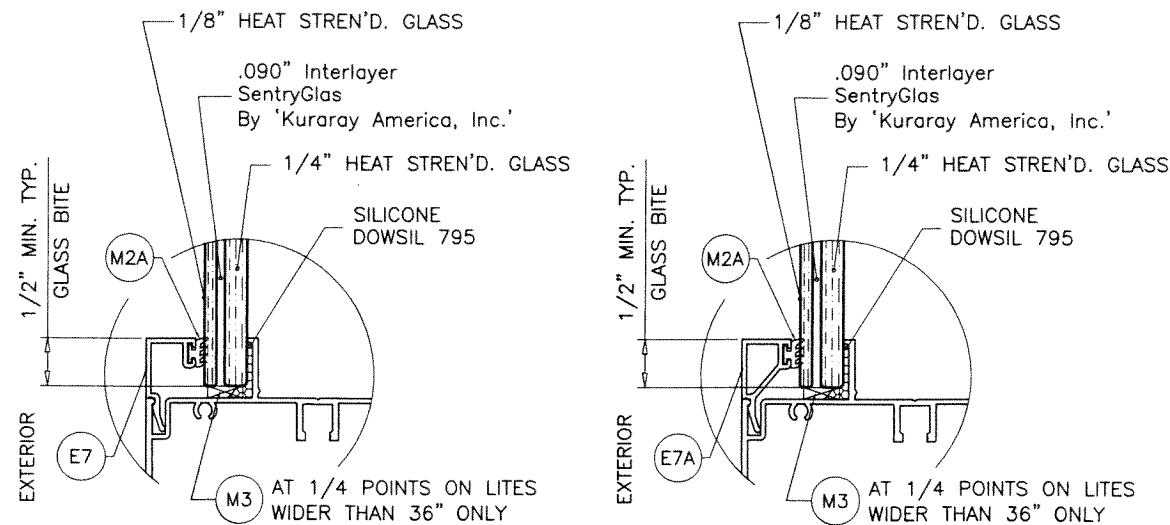
ES-EL150 FIXED ALUMINUM WDW. (L.M.I.)

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

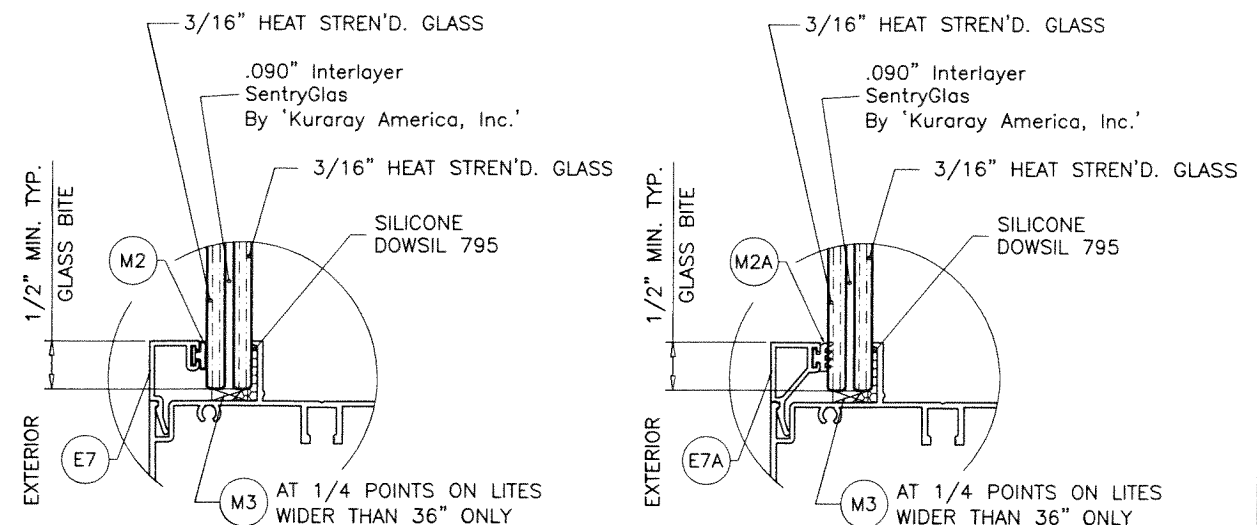
| revisions: | no. | date | description | by |
|------------|-----|----------|----------------------|----|
| | A | 05.12.17 | GLAZING DETAILS REV. | |
| | B | 11.27.17 | NO CHANGE THIS SHEET | |
| | C | 06.22.20 | GENERAL REVISION | |
| | D | 06.15.21 | NO CHANGE THIS SHEET | |
| | E | 06.29.23 | UPDATED TO 2023 FBC | |

| | |
|----------|-----------|
| date: | 11-13-16 |
| scale: | 1/2" = 1" |
| dr. by: | TARIQ |
| chk. by: | |

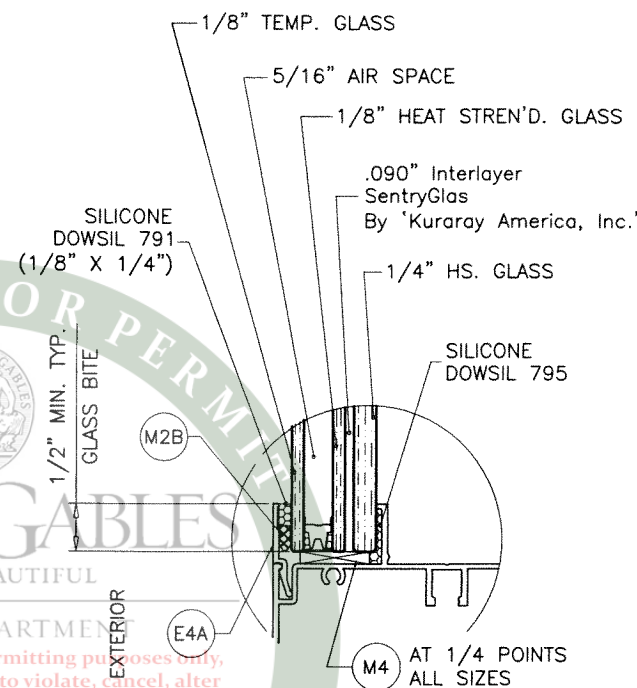
| | |
|-------------|--------|
| drawing no. | W16-70 |
| sheet | 2 of 9 |



GLASS TYPE 'AA'
7/16" OVERALL LAM. GLASS



GLASS TYPE 'BB'
7/16" OVERALL LAM. GLASS

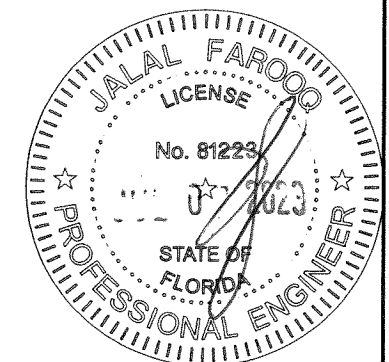


GLASS TYPE 'AAi'
7/8" OVERALL INSUL. LAM. GLASS

5/16" AIR SPACE CONSISTING OF:
SPACER:
'HELIMA' LOW PROFILE ALUMINUM SPACER
BY 'LINGERMANN GMBH'
AROUND THE PERIMETER OF THE GLASS.
PERIMETER SEALANT:
SILICONE
DOWSIL 791
GE 2000

GLAZING OPTIONS

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **23-0714.17**
Expiration Date: **05/18/2027**
By: *Manuel Fern*
Miami-Dade Product Control



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
C.A.N. 3538

ES-EL150 FIXED ALUMINUM WDW. (L.M.I.)
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

| revisions: | | by description | |
|------------|----------|----------------|----------------------|
| no | date | no | description |
| C | 06.22.20 | | GENERAL REVISION |
| D | 06.15.21 | | NO CHANGE THIS SHEET |
| E | 06.29.23 | | NO CHANGE THIS SHEET |

date: 11-13-16
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:
drawing no.
W16-70
sheet 2.1 of 9

COMP-ANL W16-70ES

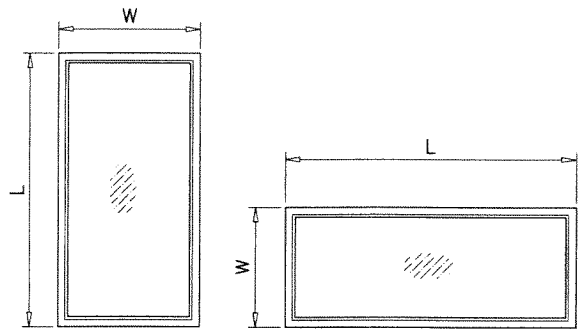
| DESIGN LOAD CAPACITY - PSF FLANGE FRAMES, FLUSH FRAMES, FIN FRAMES | | | | | |
|---|--------|-------------------|---------|--------------------------------------|---------|
| WINDOW DIMS. | | GLASS TYPE 'A' | | GLASS TYPES 'B', 'Ai', 'Di', 'Ei' | |
| WIDTH | HEIGHT | EXT.(+) | 1NT.(-) | EXT.(+) | 1NT.(-) |
| 30" | 48" | 60.0 | 80.0 | 80.0 | 80.0 |
| 36" | | 60.0 | 80.0 | 80.0 | 80.0 |
| 42" | | 60.0 | 68.6 | 80.0 | 80.0 |
| 48" | | 60.0 | 60.0 | 80.0 | 80.0 |
| 54" | | 60.0 | 60.0 | 80.0 | 80.0 |
| 60" | | 60.0 | 60.0 | 80.0 | 80.0 |
| 30" | 54" | 60.0 | 80.0 | 80.0 | 80.0 |
| 36" | | 60.0 | 80.0 | 80.0 | 80.0 |
| 42" | | 60.0 | 68.6 | 80.0 | 80.0 |
| 48" | | 60.0 | 60.0 | 80.0 | 80.0 |
| 54" | | 53.3 | 53.3 | 71.1 | 71.1 |
| 60" | | 53.3 | 53.3 | 71.1 | 71.1 |
| 30" | 60" | 60.0 | 80.0 | 80.0 | 80.0 |
| 36" | | 60.0 | 80.0 | 80.0 | 80.0 |
| 42" | | 60.0 | 68.6 | 80.0 | 80.0 |
| 48" | | 60.0 | 60.0 | 80.0 | 80.0 |
| 54" | | 53.3 | 53.3 | 71.1 | 71.1 |
| 60" | | 48.0 | 48.0 | 64.0 | 64.0 |
| 30" | 66" | 60.0 | 80.0 | 80.0 | 80.0 |
| 36" | | 60.0 | 80.0 | 80.0 | 80.0 |
| 42" | | 60.0 | 68.6 | 80.0 | 80.0 |
| 48" | | 60.0 | 60.0 | 80.0 | 80.0 |
| 54" | | 53.3 | 53.3 | 71.1 | 71.1 |
| 60" | | 48.0 | 48.0 | 64.0 | 64.0 |
| 30" | 72" | 60.0 | 80.0 | 80.0 | 80.0 |
| 36" | | 60.0 | 80.0 | 80.0 | 80.0 |
| 42" | | 60.0 | 68.6 | 80.0 | 80.0 |
| 48" | | 60.0 | 60.0 | 80.0 | 80.0 |
| 54" | | 53.3 | 53.3 | 71.1 | 71.1 |
| 60" | | 48.0 | 48.0 | 64.0 | 64.0 |
| 30" | 78" | 60.0 | 80.0 | 80.0 | 80.0 |
| 36" | | 60.0 | 78.0 | 80.0 | 80.0 |
| 42" | | 60.0 | 68.6 | 80.0 | 80.0 |
| 48" | | 60.0 | 60.0 | 80.0 | 80.0 |
| 54" | | 53.3 | 53.3 | 71.1 | 71.1 |
| 60" | | 60.0 | 80.0 | 80.0 | 80.0 |
| 30" | 84" | 60.0 | 80.0 | 80.0 | 80.0 |
| 36" | | 60.0 | 76.4 | 80.0 | 80.0 |
| 42" | | 60.0 | 68.6 | 80.0 | 80.0 |
| 48" | | 60.0 | 60.0 | 80.0 | 80.0 |
| 54" | | 53.3 | 53.3 | 71.1 | 71.1 |
| 60" | | 60.0 | 80.0 | 80.0 | 80.0 |
| 30" | 90" | 60.0 | 80.0 | 80.0 | 80.0 |
| 36" | | 60.0 | 75.0 | 80.0 | 80.0 |
| 42" | | 60.0 | 67.1 | 80.0 | 80.0 |
| 48" | | 60.0 | 60.0 | 80.0 | 80.0 |
| 54" | | 60.0 | 80.0 | 80.0 | 80.0 |
| 60" | | 60.0 | 80.0 | 80.0 | 80.0 |
| 30" | 96" | 60.0 | 80.0 | 80.0 | 80.0 |
| 36" | | 60.0 | 73.8 | 80.0 | 80.0 |
| 42" | | 60.0 | 65.8 | 80.0 | 80.0 |
| 48" | | 60.0 | 60.0 | 80.0 | 80.0 |
| 54" | | 60.0 | 80.0 | 80.0 | 80.0 |
| 60" | | 60.0 | 80.0 | 80.0 | 80.0 |

Approved for this plan is for permitting purposes only and does not imply authority to violate, alter, or set aside any of the provisions of the currently adopted technical codes, ordinances, laws or regulations requiring correction of errors in the plans or construction, or any deficiencies which may have been omitted or overlooked in the plan review or permitting process.

10/25/2024
SITE SET BLDR-24-04-5272

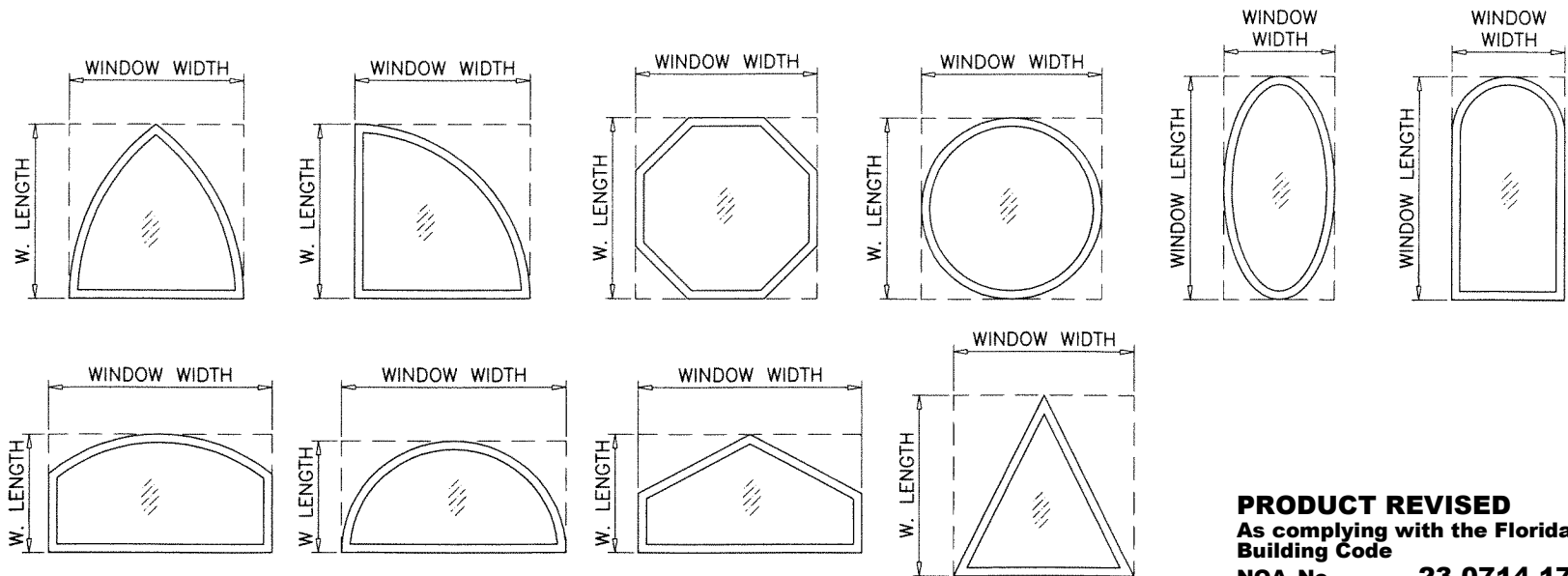
| DESIGN LOAD CAPACITY - PSF FLANGE FRAMES, FLUSH FRAMES, FIN FRAMES | | | | | |
|---|--------|-------------------|---------|--------------------------------------|---------|
| WINDOW DIMS. | | GLASS TYPE 'A' | | GLASS TYPES 'B', 'Ai', 'Di', 'Ei' | |
| WIDTH | HEIGHT | EXT.(+) | 1NT.(-) | EXT.(+) | 1NT.(-) |
| 30" | 102" | 60.0 | 80.0 | 80.0 | 80.0 |
| 36" | | 60.0 | 78.1 | 80.0 | 80.0 |
| 42" | | 60.0 | 72.9 | 80.0 | 80.0 |
| 48" | | 60.0 | 68.5 | 80.0 | 80.0 |
| 54" | | 60.0 | 64.8 | 80.0 | 80.0 |
| 60" | | 60.0 | 61.6 | 80.0 | 80.0 |
| 30" | 108" | 60.0 | 80.0 | 80.0 | 80.0 |
| 33" | | 60.0 | 77.3 | 80.0 | 80.0 |
| 36" | | 60.0 | 72.0 | 80.0 | 80.0 |
| 39" | | 60.0 | 67.6 | 80.0 | 80.0 |
| 42" | | 60.0 | 63.8 | 80.0 | 80.0 |
| 30" | 114" | 60.0 | 80.0 | 80.0 | 80.0 |
| 33" | | 60.0 | 76.5 | 80.0 | 80.0 |
| 36" | | 60.0 | 71.3 | 80.0 | 80.0 |
| 39" | | 60.0 | 66.8 | 80.0 | 80.0 |
| 30" | 120" | 60.0 | 80.0 | 80.0 | 80.0 |
| 33" | | 60.0 | 75.9 | 80.0 | 80.0 |
| 36" | | 60.0 | 70.6 | 80.0 | 80.0 |
| 30" | 126" | 60.0 | 80.0 | 80.0 | 80.0 |
| 33" | | 60.0 | 75.3 | 80.0 | 80.0 |
| 36" | | 60.0 | 70.0 | 80.0 | 80.0 |
| 30" | 132" | 60.0 | 80.0 | 80.0 | 80.0 |
| 33" | | 60.0 | 74.8 | 80.0 | 80.0 |
| 30" | 138" | 60.0 | 80.0 | 80.0 | 80.0 |
| 33" | | 60.0 | 74.3 | 80.0 | 80.0 |
| 30" | 144" | 60.0 | 80.0 | 80.0 | 80.0 |
| 30" | | 60.0 | 80.0 | 80.0 | 80.0 |

| DESIGN LOAD CAPACITY - PSF FLANGE FRAMES, FLUSH FRAMES, FIN FRAMES | | | | | |
|---|---------|-------------------|---------|--------------------------------------|---------|
| WINDOW DIMS. | | GLASS TYPE 'A' | | GLASS TYPES 'B', 'Ai', 'Di', 'Ei' | |
| WIDTH | HEIGHT | EXT.(+) | 1NT.(-) | EXT.(+) | 1NT.(-) |
| 19-1/8" | 26" | 60.0 | 80.0 | 80.0 | 80.0 |
| 26-1/2" | | 60.0 | 80.0 | 80.0 | 80.0 |
| 37" | | 60.0 | 80.0 | 80.0 | 80.0 |
| 48" | | 60.0 | 80.0 | 80.0 | 80.0 |
| 53-1/8" | | 60.0 | 80.0 | 80.0 | 80.0 |
| 19-1/8" | 38-3/8" | 60.0 | 80.0 | 80.0 | 80.0 |
| 26-1/2" | | 60.0 | 80.0 | 80.0 | 80.0 |
| 37" | | 60.0 | 77.8 | 80.0 | 80.0 |
| 48" | | 60.0 | 75.0 | 80.0 | 80.0 |
| 53-1/8" | | 60.0 | 75.0 | 80.0 | 80.0 |
| 19-1/8" | 50-5/8" | 60.0 | 80.0 | 80.0 | 80.0 |
| 26-1/2" | | 60.0 | 80.0 | 80.0 | 80.0 |
| 37" | | 60.0 | 77.8 | 80.0 | 80.0 |
| 48" | | 60.0 | 60.0 | 80.0 | 80.0 |
| 53-1/8" | | 56.9 | 56.9 | 75.9 | 75.9 |
| 19-1/8" | 58" | 60.0 | 80.0 | 80.0 | 80.0 |
| 26-1/2" | | 60.0 | 80.0 | 80.0 | 80.0 |
| 37" | | 60.0 | 77.8 | 80.0 | 80.0 |
| 48" | | 60.0 | 60.0 | 80.0 | 80.0 |
| 53-1/8" | | 54.2 | 54.2 | 72.3 | 72.3 |
| 19-1/8" | 63" | 60.0 | 80.0 | 80.0 | 80.0 |
| 26-1/2" | | 60.0 | 80.0 | 80.0 | 80.0 |
| 37" | | 60.0 | 77.8 | 80.0 | 80.0 |
| 48" | | 60.0 | 60.0 | 80.0 | 80.0 |
| 53-1/8" | | 54.2 | 54.2 | 72.3 | 72.3 |
| 19-1/8" | 76" | 60.0 | 80.0 | 80.0 | 80.0 |
| 26-1/2" | | 60.0 | 80.0 | 80.0 | 80.0 |
| 37" | | 60.0 | 77.2 | 80.0 | 80.0 |
| 48" | | 60.0 | 60.0 | 80.0 | 80.0 |
| 53-1/8" | | 54.2 | 54.2 | 72.3 | 72.3 |



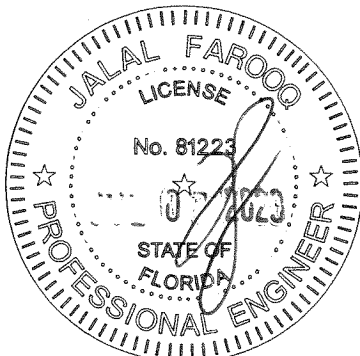
NOTE:
WIDTH AND LENGTH DIMENSIONS CAN BE ORIENTED
VERTICALLY OR HORIZONTALLY AS SHOWN ABOVE.

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



ALLOWABLE LOADS FOR ALTERNATE SHAPES AS SHOWN ABOVE OR SIMILAR CAN BE
VERIFIED BY INSCRIBING PICTURE WINDOW SHAPE WITHIN SQUARE OR RECTANGLE AS
SHOWN IN DOTTED LINES AND OBTAINING ALLOWABLE LOADS FROM THOSE SHAPES.

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **23-0714.17**
Expiration Date: **05/18/2027**
By: *Manuel Fern*
Miami-Dade Product Control



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
(C.A.N. 3538)

ES-EL150 FIXED ALUMINUM WDW. (L.M.I.)
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

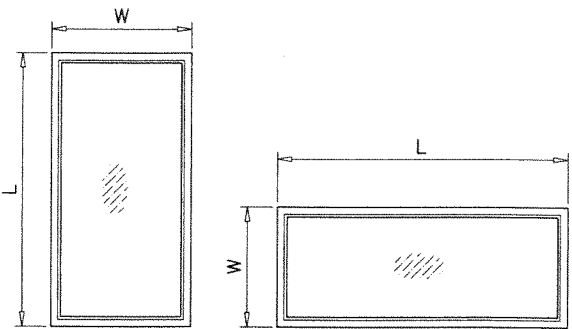
| revisions: | | no | | date | | description | |
|------------|--|----------|--|----------------------|--|----------------------|--|
| A | | 05.12.17 | | GLASS CHART REV. | | NO CHANGE THIS SHEET | |
| B | | 11.27.17 | | GENERAL REVISION | | WDW. SIZES ADDED | |
| C | | 06.22.20 | | NO CHANGE THIS SHEET | | NO CHANGE THIS SHEET | |
| D | | 06.15.21 | | NO CHANGE THIS SHEET | | NO CHANGE THIS SHEET | |
| E | | 06.29.23 | | NO CHANGE THIS SHEET | | NO CHANGE THIS SHEET | |

date: 11-13-16
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:
drawing no. **W16-70**
sheet 3 of 9

| DESIGN LOAD CAPACITY - PSF FLANGE FRAMES & FLUSH FRAMES ONLY | | | | | |
|---|--------|-----------------------------|---------|--------------------|---------|
| WINDOW DIMS. | | GLASS TYPES 'AA' & 'AAi' | | GLASS TYPE 'BB' | |
| WIDTH | HEIGHT | EXT.(+) | INT.(-) | EXT.(+) | INT.(-) |
| 48" | 48" | 80.0 | 105.0 | 80.0 | 100.0 |
| 54" | | 80.0 | 105.0 | 80.0 | 100.0 |
| 60" | | 80.0 | 105.0 | 80.0 | 100.0 |
| 66" | | 80.0 | 105.0 | 80.0 | 100.0 |
| 72" | | 80.0 | 105.0 | 80.0 | 100.0 |
| 78" | | 80.0 | 105.0 | 80.0 | 100.0 |
| 48" | 54" | 80.0 | 105.0 | 80.0 | 100.0 |
| 54" | | 71.1 | 93.3 | 80.0 | 88.9 |
| 60" | | 71.1 | 93.3 | 80.0 | 88.9 |
| 66" | | 71.1 | 93.3 | 80.0 | 88.9 |
| 72" | | - | - | 80.0 | 88.9 |
| 78" | | - | - | 80.0 | 88.9 |
| 48" | 60" | 80.0 | 105.0 | 80.0 | 100.0 |
| 54" | | 71.1 | 93.3 | 80.0 | 88.9 |
| 60" | | 64.0 | 84.0 | 80.0 | 80.0 |
| 66" | | - | - | 80.0 | 80.0 |
| 72" | | - | - | 80.0 | 80.0 |
| 78" | | - | - | 80.0 | 80.0 |
| 48" | 66" | 80.0 | 105.0 | 80.0 | 100.0 |
| 54" | | 71.1 | 93.3 | 80.0 | 88.9 |
| 60" | | - | - | 80.0 | 80.0 |
| 66" | | - | - | 72.7 | 72.7 |
| 72" | | - | - | 72.7 | 72.7 |
| 78" | | - | - | 72.7 | 72.7 |
| 48" | 72" | 80.0 | 105.0 | 80.0 | 100.0 |
| 54" | | - | - | 80.0 | 88.9 |
| 60" | | - | - | 80.0 | 80.0 |
| 66" | | - | - | 72.7 | 72.7 |
| 72" | | - | - | 66.7 | 66.7 |
| 78" | | - | - | 66.7 | 66.7 |
| 48" | 78" | 80.0 | 105.0 | 80.0 | 100.0 |
| 54" | | - | - | 80.0 | 88.9 |
| 60" | | - | - | 80.0 | 80.0 |
| 66" | | - | - | 72.7 | 72.7 |
| 72" | | - | - | 66.7 | 66.7 |
| 78" | | - | - | 61.5 | 61.5 |
| 42" | 84" | 80.0 | 105.0 | 80.0 | 100.0 |
| 48" | | - | - | 80.0 | 100.0 |
| 54" | | - | - | 80.0 | 88.9 |
| 60" | | - | - | 80.0 | 80.0 |
| 66" | | - | - | 72.7 | 72.7 |
| 72" | | - | - | 66.7 | 66.7 |
| 42" | 90" | 80.0 | 105.0 | 80.0 | 100.0 |
| 48" | | - | - | 80.0 | 100.0 |
| 54" | | - | - | 80.0 | 80.0 |
| 60" | | - | - | 72.7 | 72.7 |
| 66" | | - | - | 66.7 | 66.7 |
| 72" | | - | - | 66.7 | 66.7 |
| 36" | 96" | 80.0 | 105.0 | 80.0 | 100.0 |
| 42" | | - | - | 80.0 | 100.0 |
| 48" | | - | - | 80.0 | 100.0 |
| 54" | | - | - | 80.0 | 80.0 |
| 60" | | - | - | 80.0 | 80.0 |
| 66" | | - | - | 72.7 | 72.7 |

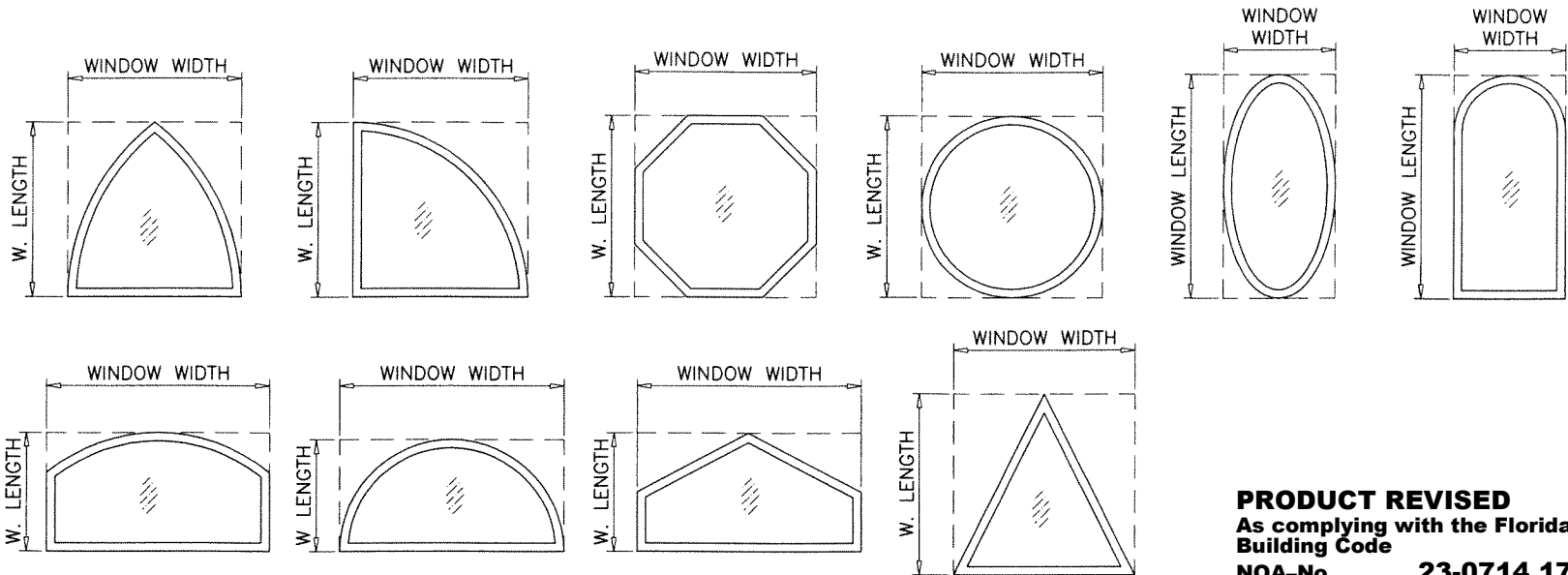
| DESIGN LOAD CAPACITY - PSF FLANGE FRAMES & FLUSH FRAMES ONLY | | | | | |
|---|--------|-----------------------------|---------|--------------------|---------|
| WINDOW DIMS. | | GLASS TYPES 'AA' & 'AAi' | | GLASS TYPE 'BB' | |
| WIDTH | HEIGHT | EXT.(+) | INT.(-) | EXT.(+) | INT.(-) |
| 36" | 102" | 80.0 | 105.0 | 80.0 | 100.0 |
| 42" | | - | - | 80.0 | 100.0 |
| 48" | | - | - | 80.0 | 80.0 |
| 54" | | - | - | 80.0 | 80.0 |
| 60" | | - | - | 80.0 | 80.0 |
| 60" | | - | - | 80.0 | 80.0 |
| 30" | 108" | 80.0 | 105.0 | 80.0 | 80.0 |
| 42" | | - | - | 80.0 | 100.0 |
| 48" | | - | - | 80.0 | 80.0 |
| 54" | | - | - | 80.0 | 80.0 |
| 60" | | - | - | 80.0 | 80.0 |
| 60" | | - | - | 80.0 | 80.0 |
| 30" | 114" | 80.0 | 105.0 | 80.0 | 80.0 |
| 48" | | - | - | 80.0 | 80.0 |
| 54" | | - | - | 80.0 | 80.0 |
| 60" | | - | - | 80.0 | 80.0 |
| 60" | | - | - | 80.0 | 80.0 |
| 60" | | - | - | 80.0 | 80.0 |
| 30" | 120" | 80.0 | 105.0 | 80.0 | 80.0 |
| 48" | | - | - | 80.0 | 80.0 |
| 54" | | - | - | 80.0 | 80.0 |
| 60" | | - | - | 80.0 | 80.0 |
| 60" | | - | - | 80.0 | 80.0 |
| 60" | | - | - | 80.0 | 80.0 |
| 30" | 126" | 80.0 | 105.0 | 80.0 | 80.0 |
| 42" | | 80.0 | 105.0 | 80.0 | 80.0 |
| 48" | | - | - | 80.0 | 80.0 |
| 54" | | - | - | 80.0 | 80.0 |
| 60" | | - | - | 80.0 | 80.0 |
| 60" | | - | - | 80.0 | 80.0 |
| 24" | 132" | 80.0 | 105.0 | 80.0 | 80.0 |
| 42" | | - | - | 80.0 | 80.0 |
| 48" | | - | - | 80.0 | 80.0 |
| 54" | | - | - | 80.0 | 80.0 |
| 60" | | - | - | 80.0 | 80.0 |
| 60" | | - | - | 80.0 | 80.0 |
| 24" | 138" | 80.0 | 105.0 | 80.0 | 80.0 |
| 42" | | - | - | 80.0 | 80.0 |
| 48" | | - | - | 80.0 | 80.0 |
| 54" | | - | - | 80.0 | 80.0 |
| 60" | | - | - | 80.0 | 80.0 |
| 60" | | - | - | 80.0 | 80.0 |
| 24" | 144" | 80.0 | 105.0 | 80.0 | 80.0 |
| 42" | | - | - | 80.0 | 80.0 |
| 48" | | - | - | 80.0 | 80.0 |
| 54" | | - | - | 80.0 | 80.0 |
| 60" | | - | - | 80.0 | 80.0 |
| 60" | | - | - | 80.0 | 80.0 |

| DESIGN LOAD CAPACITY - PSF FLANGE FRAMES & FLUSH FRAMES ONLY | | | | | |
|---|---------|-----------------------------|---------|--------------------|---------|
| WINDOW DIMS. | | GLASS TYPES 'AA' & 'AAi' | | GLASS TYPE 'BB' | |
| WIDTH | HEIGHT | EXT.(+) | INT.(-) | EXT.(+) | INT.(-) |
| 19-1/8" | 26" | 80.0 | 105.0 | 80.0 | 100.0 |
| 26-1/2" | | 80.0 | 105.0 | 80.0 | 100.0 |
| 37" | | 80.0 | 105.0 | 80.0 | 100.0 |
| 48" | | 80.0 | 105.0 | 80.0 | 100.0 |
| 53-1/8" | | 80.0 | 105.0 | 80.0 | 100.0 |
| 53-1/8" | | 80.0 | 105.0 | 80.0 | 100.0 |
| 19-1/8" | 38-3/8" | 80.0 | 105.0 | 80.0 | 100.0 |
| 26-1/2" | | 80.0 | 105.0 | 80.0 | 100.0 |
| 37" | | 80.0 | 105.0 | 80.0 | 100.0 |
| 48" | | 80.0 | 105.0 | 80.0 | 100.0 |
| 53-1/8" | | 80.0 | 105.0 | 80.0 | 100.0 |
| 53-1/8" | | 80.0 | 105.0 | 80.0 | 100.0 |
| 19-1/8" | 50-5/8" | 80.0 | 105.0 | 80.0 | 100.0 |
| 26-1/2" | | 80.0 | 105.0 | 80.0 | 100.0 |
| 37" | | 80.0 | 105.0 | 80.0 | 100.0 |
| 48" | | 80.0 | 105.0 | 80.0 | 100.0 |
| 53-1/8" | | 75.9 | 99.6 | 80.0 | 94.8 |
| 53-1/8" | | 75.9 | 99.6 | 80.0 | 94.8 |
| 19-1/8" | 58" | 80.0 | 105.0 | 80.0 | 100.0 |
| 26-1/2" | | 80.0 | 105.0 | 80.0 | 100.0 |
| 37" | | 80.0 | 105.0 | 80.0 | 100.0 |
| 48" | | 80.0 | 105.0 | 80.0 | 100.0 |
| 53-1/8" | | 72.3 | 94.9 | 80.0 | 90.4 |
| 53-1/8" | | 72.3 | 94.9 | 80.0 | 90.4 |
| 19-1/8" | 63" | 80.0 | 105.0 | 80.0 | 100.0 |
| 26-1/2" | | 80.0 | 105.0 | 80.0 | 100.0 |
| 37" | | 80.0 | 105.0 | 80.0 | 100.0 |
| 48" | | 80.0 | 105.0 | 80.0 | 100.0 |
| 53-1/8" | | 72.3 | 94.9 | 80.0 | 90.4 |
| 53-1/8" | | 72.3 | 94.9 | 80.0 | 90.4 |
| 19-1/8" | 76" | 80.0 | 105.0 | 80.0 | 100.0 |
| 26-1/2" | | 80.0 | 105.0 | 80.0 | 100.0 |
| 37" | | 80.0 | 105.0 | 80.0 | 100.0 |
| 48" | | 80.0 | 105.0 | 80.0 | 100.0 |
| 53-1/8" | | - | - | 80.0 | 90.4 |
| 53-1/8" | | - | - | 80.0 | 90.4 |



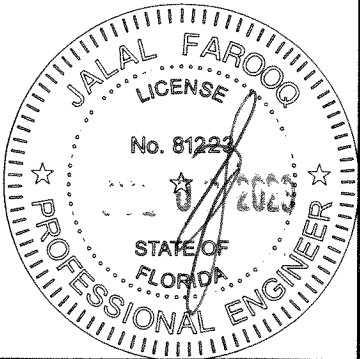
NOTE:
WIDTH AND LENGTH DIMENSIONS CAN BE ORIENTED
VERTICALLY OR HORIZONTALLY AS SHOWN ABOVE.

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



ALLOWABLE LOADS FOR ALTERNATE SHAPES AS SHOWN ABOVE OR SIMILAR CAN BE
VERIFIED BY INSCRIBING PICTURE WINDOW SHAPE WITHIN SQUARE OR RECTANGLE AS
SHOWN IN DOTTED LINES AND OBTAINING ALLOWABLE LOADS FROM THOSE SHAPES.

PRODUCT REVISED
As complying with the Florida
Building Code
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Expiration Date: **05/18/2027**
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Miami-Dade Product Control

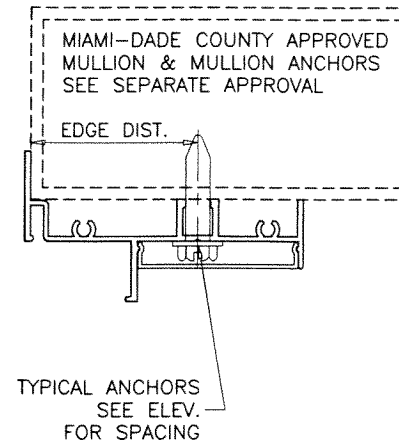
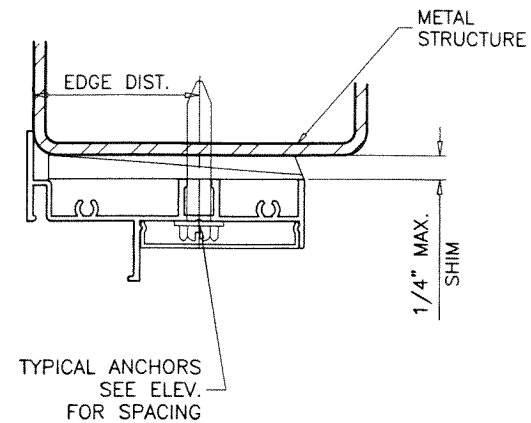
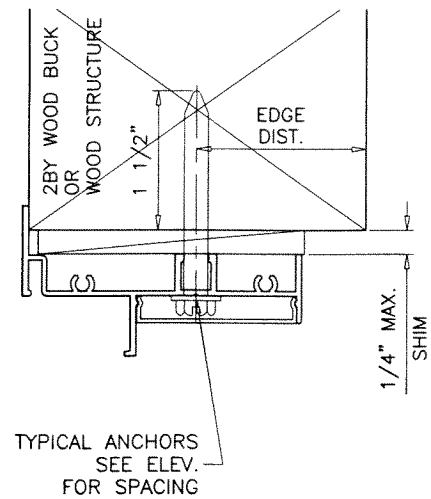
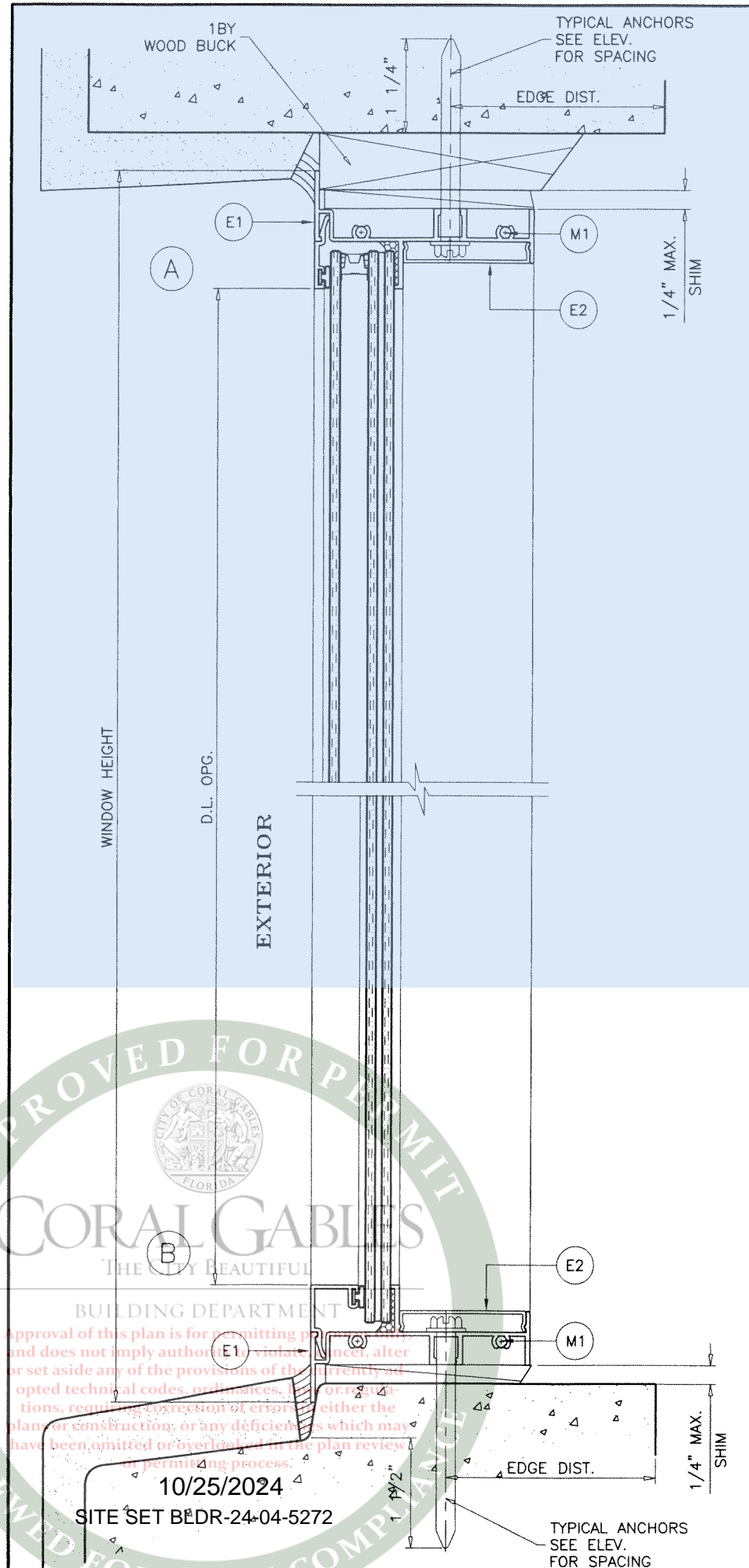


AL-FAROOQ CORPORATION
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(C.A.N. 3538)

ES-EL150 FIXED ALUMINUM WDW. (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 | description |
|------------|----|----------|----------------------|
| | C | 06.22.20 | GENERAL REVISION |
| | D | 06.15.21 | WDW. SIZES ADDED |
| | E | 06.29.23 | NO CHANGE THIS SHEET |

date: 11-13-16
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:
drawing no. **W16-70**
sheet **3** of **9**



WOOD BUCKS AND METAL STRUCTURE NOT BY 'E.S. WINDOWS' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. TAPCON BY 'ITW' (Fu=125 KSI, Fy=100 KSI)

1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)

THRU 1BY BUCKS INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-1/4" MIN. EMBED INTO MASONRY (JAMBS)

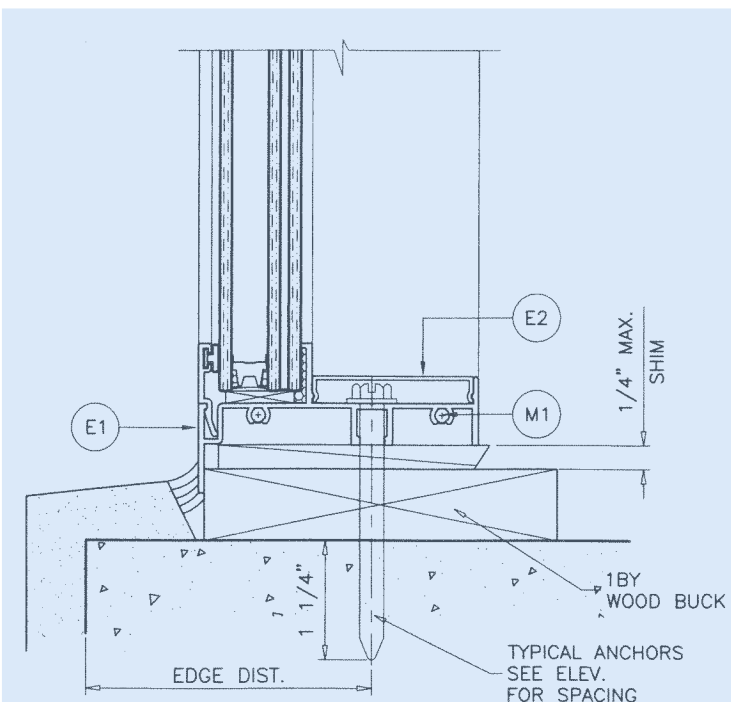
DIRECTLY INTO CONCRETE OR MASONRY
1-1/2" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-1/4" MIN. EMBED INTO MASONRY (JAMBS)

1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)
INTO MIAMI-DADE COUNTY APPROVED MULLIONS
OR
INTO METAL STRUCTURES (HEAD/SILL/JAMBS)
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
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)

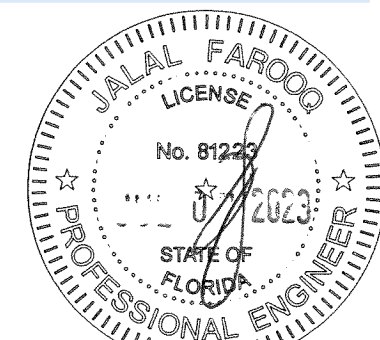
TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 2" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

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



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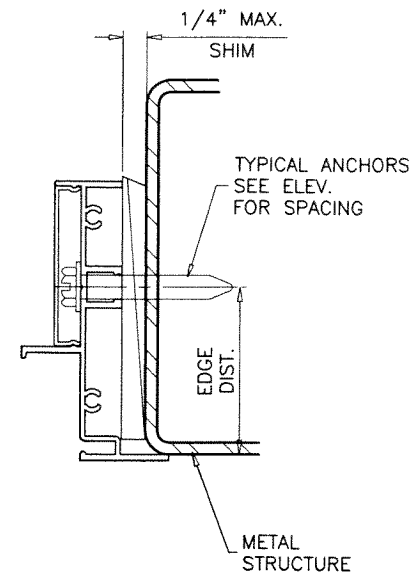
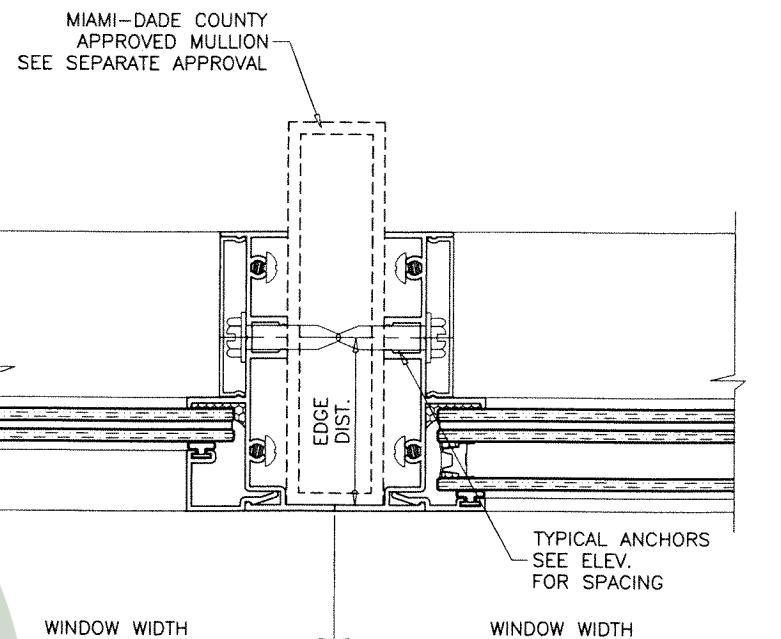
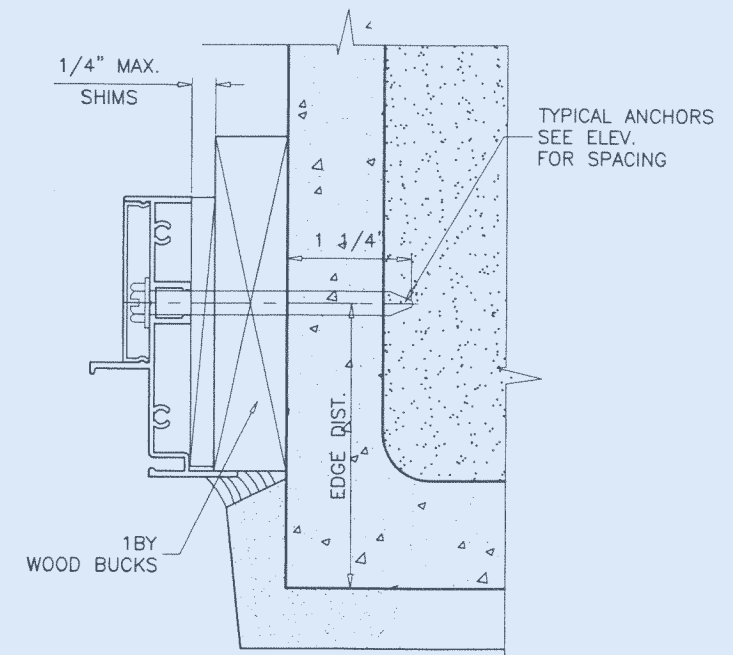
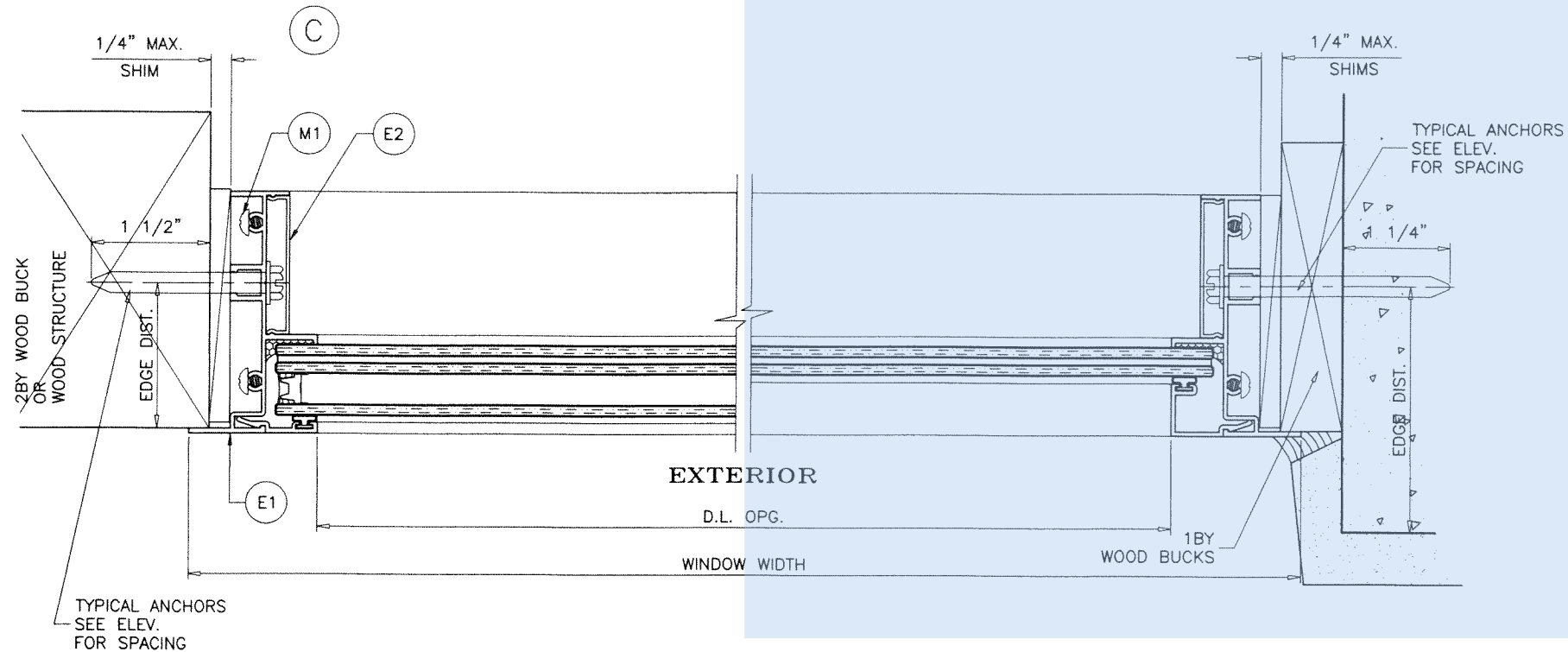


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COMP-ANL\W16-70ES

ES-EL150 FIXED ALUMINUM WDW. (L.M.I.)
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MIAMI, FL. 33142
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| revisions: | no | date | description |
|------------|----|----------|----------------------|
| | A | 05.12.17 | NO CHANGE THIS SHEET |
| | B | 11.27.17 | UPDATED TO 2017 FBC |
| | C | 06.22.20 | GENERAL REVISION |
| | D | 06.15.21 | NO CHANGE THIS SHEET |
| | E | 06.29.23 | NO CHANGE THIS SHEET |

date: 11-13-16
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:
drawing no. **W16-70**
sheet 4 of 9



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COMP-ANL W16-70ES

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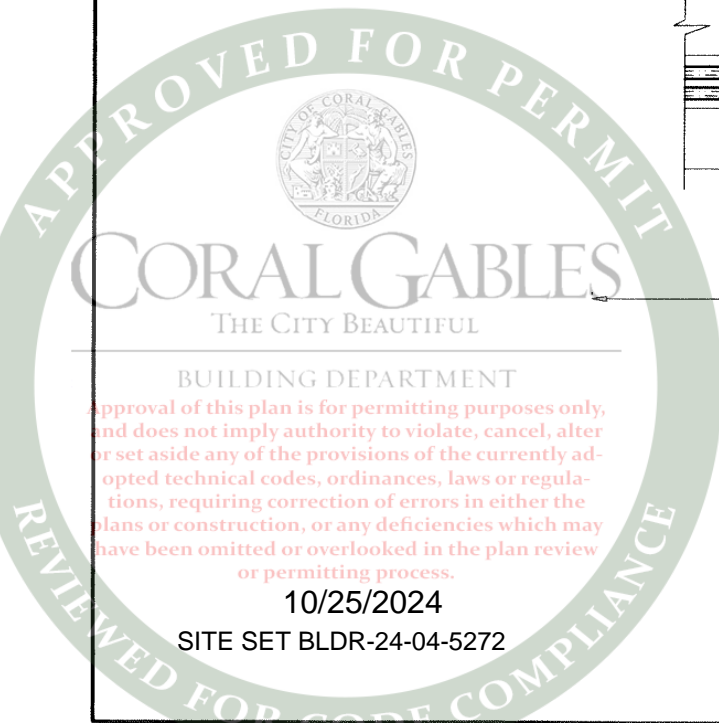
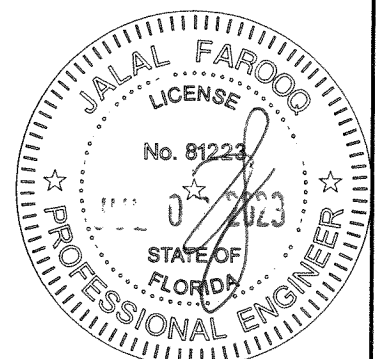
E.S. WINDOWS, LLC
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dr. by: TARIQ
chk. by:

drawing no.
W16-70
sheet 5 of 9

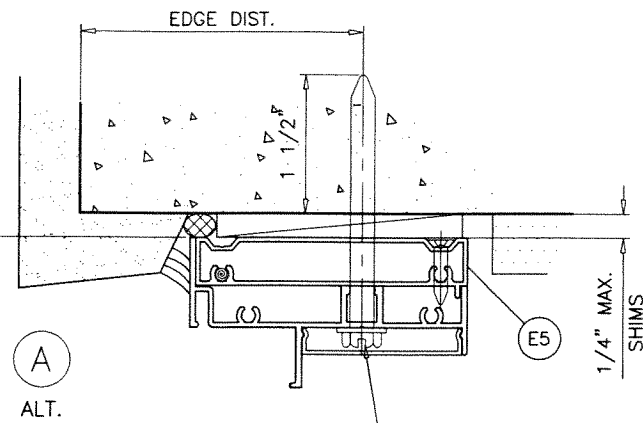
PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **23-0714.17**
Expiration Date: **05/18/2027**
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Miami-Dade Product Control



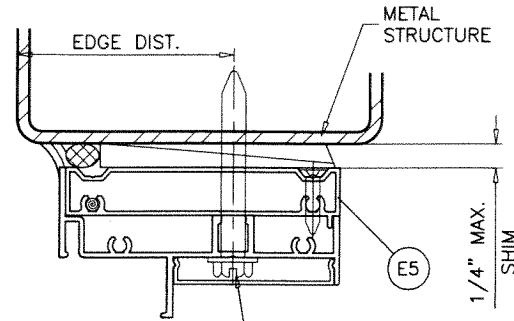
Approval of this plan is for permitting purposes only, and does not imply authority to violate, cancel, alter or set aside any of the provisions of the currently adopted technical codes, ordinances, laws or regulations, requiring correction of errors in either the plans or construction, or any deficiencies which may have been omitted or overlooked in the plan review or permitting process.

WINDOW HEIGHT

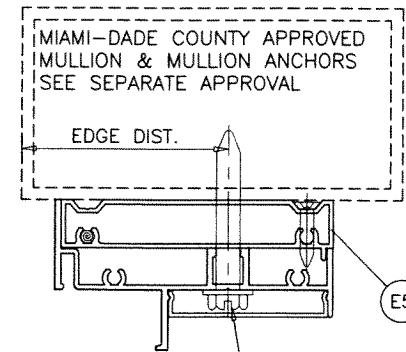
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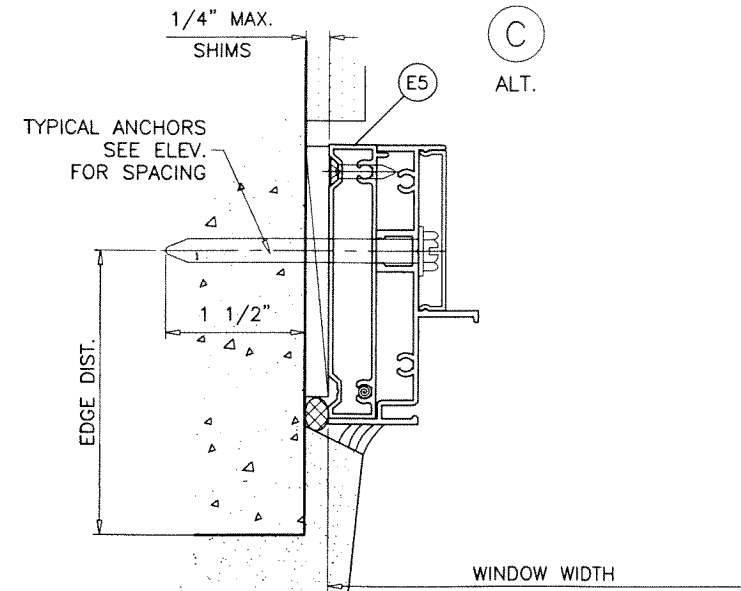
TYPICAL ANCHORS
SEE ELEV.
FOR SPACING



TYPICAL ANCHORS
SEE ELEV.
FOR SPACING

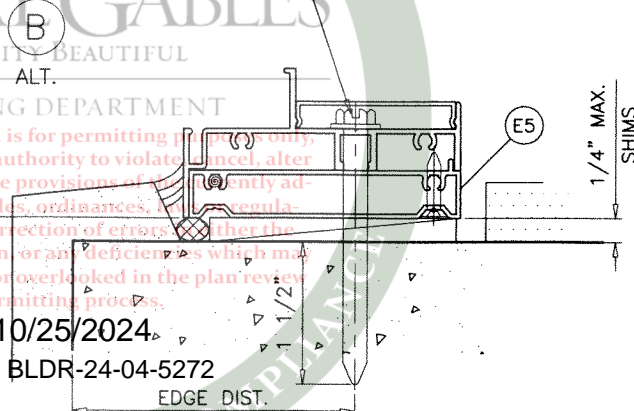


TYPICAL ANCHORS
SEE ELEV.
FOR SPACING



C
ALT.

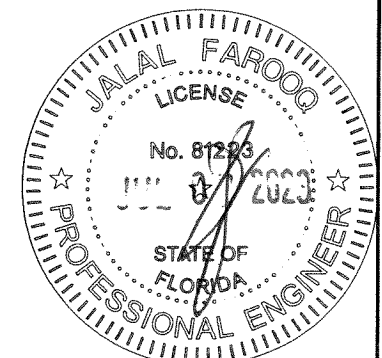
TYPICAL ANCHORS
SEE ELEV.
FOR SPACING



INSTALLATION DETAILS WITH FLUSH FRAME ADAPTERS

SEE SHEETS 4 & 5 FOR WINDOW DETAILS

PRODUCT REVISED
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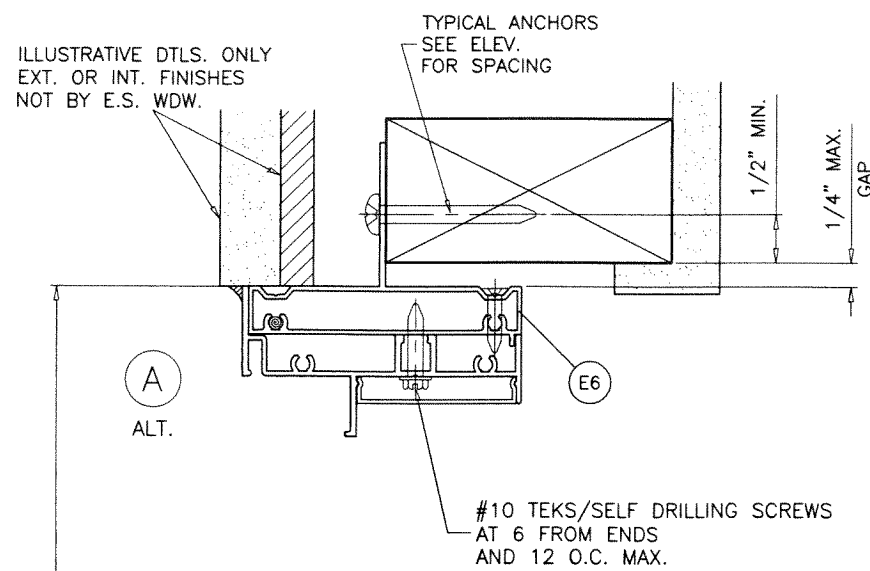
AL-FAROOQ CORPORATION
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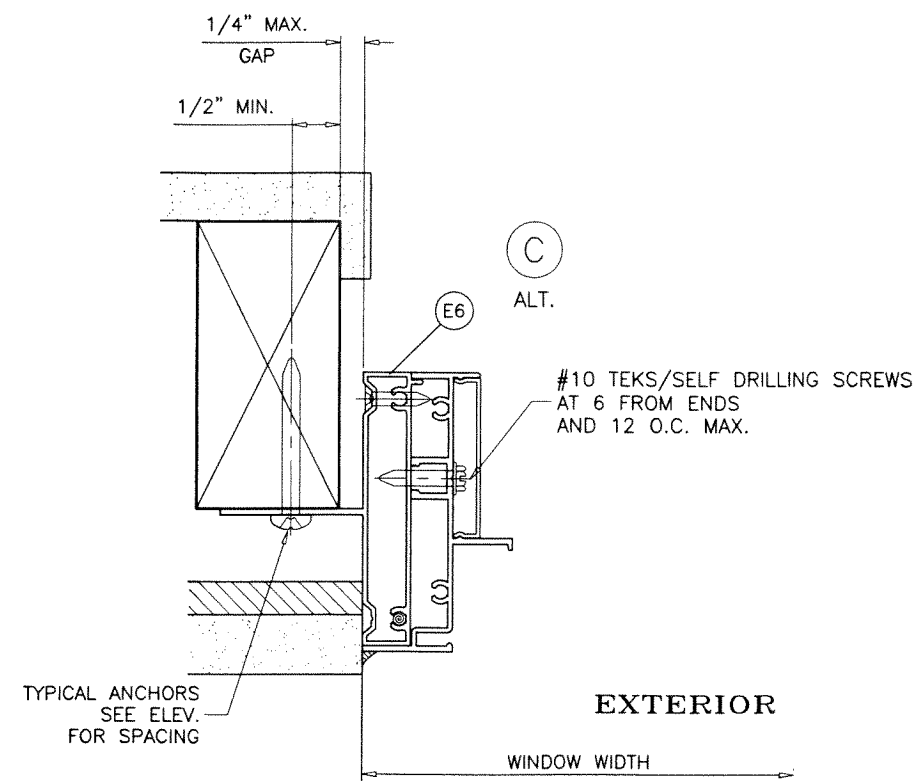
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| | C | 06.22.20 | | GENERAL REVISION |
| | D | 06.15.21 | | NO CHANGE THIS SHEET |
| | E | 06.29.23 | | NO CHANGE THIS SHEET |

date: 11-13-16
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:
drawing no.
W16-70
sheet 6 of 9



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

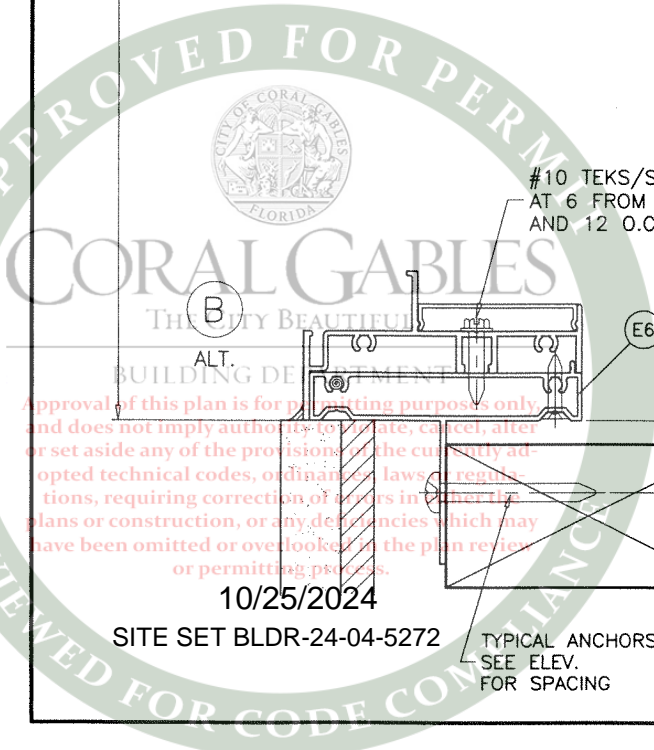
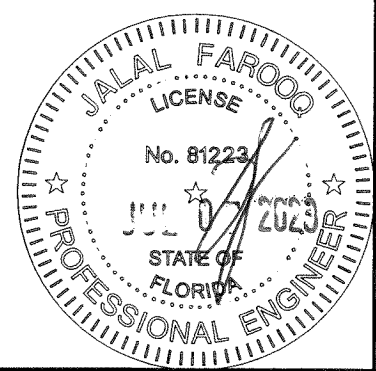
#10 WOOD SCREWS (GRADE 2 CRS)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD



INSTALLATION DETAILS WITH FIN FRAME ADAPTERS

SEE SHEETS 4 & 5 FOR WINDOW DETAILS

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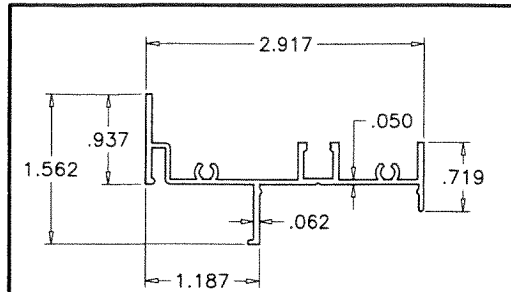
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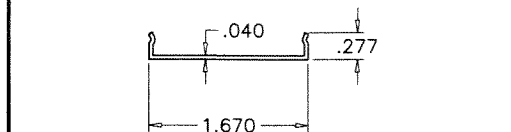
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|------------|---|----------|------|----|----------------------|
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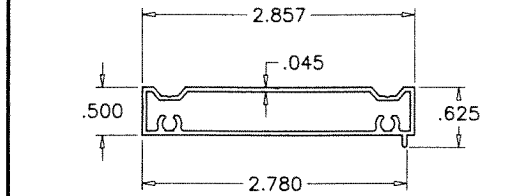
drawing no.
W16-70
 sheet 7 of 9



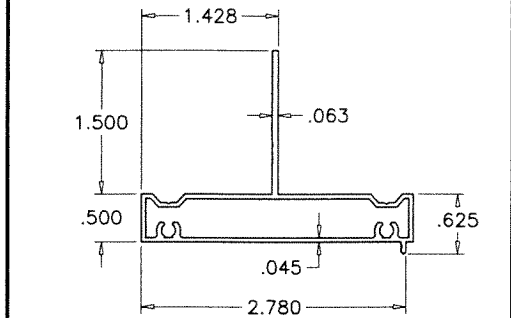
E1 FRAME



E2 FRAME SCREW COVER



E5 FLUSH FRAME ADAPTER



E6 FLUSH FRAME ADAPTER WITH FIN

APPROVED FOR PERMIT

CORAL GABLES
THE CITY BEAUTIFUL

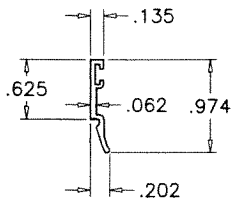
BUILDING DEPARTMENT

Approval of this plan is for permitting purposes only, and does not imply authority to violate, cancel, alter or set aside the provisions of the currently adopted technical codes, ordinances, or regulations, require correction of errors in the plan, or any deficiencies which may have been overlooked in the plan review or permitting process.

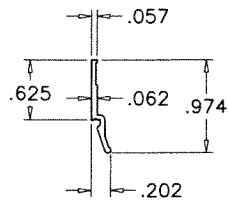
10/25/2024

SITE SET BLDR-24-04-5272

APPROVED FOR CODE COMPLIANCE



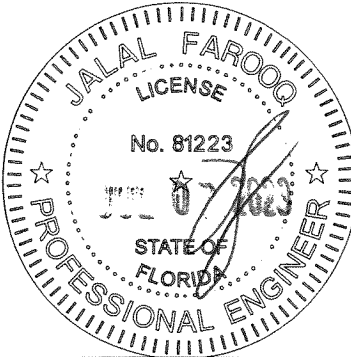
E4



E4A

| ITEM # | PART # | REQD. | DESCRIPTION | MATERIAL | MANF./SUPPLIER/REMARKS |
|--------|--------------|----------|---|-----------|------------------------|
| E1 | ES-EL151 | 1 | FRAME | 6063-T6 | - |
| E2 | ES-EL152 | AS REQD. | FRAME SCREW COVER | 6063-T6 | - |
| E4 | ES-EL111 | AS RQD. | GLAZING BEAD (INSUL. LAM. GLASS) | 6063-T6 | - |
| E4A | ES-EL116 | AS RQD. | GLAZING BEAD (INSUL. LAM. GLASS) | 6063-T6 | - |
| E5 | ES-EL112 | AS REQD. | FLUSH FRAME ADAPTER | 6063-T6 | - |
| E6 | ES-EL115 | AS REQD. | FLUSH FRAME ADAPTER WITH FIN | 6063-T6 | - |
| E7 | ES-EL110 | AS RQD. | GLAZING BEAD (7/16" LAM. GLASS) | 6063-T6 | - |
| E7A | ES-EL123 | AS RQD. | GLAZING BEAD (7/16" LAM. GLASS) | 6063-T6 | - |
| M1 | #8 X 1" | - | FRAME ASSEMBLY FASTENERS | ST. STEEL | PH SMS |
| M2 | ES-5008A | AS REQD. | EXTERIOR BULB GASKET | SILICONE | DUROMETER 60±5 SHORE A |
| M2A | EL100-G02 | AS REQD. | EXTERIOR LEAF GASKET | SILICONE | DUROMETER 60±5 SHORE A |
| M2B | ES-H-340-G05 | AS REQD. | EXTERIOR WEDGE GASKET | SILICONE | DUROMETER 65±5 SHORE A |
| M3 | 80-372A | 2/ LITE | SETTING BLOCK AT 1/4 POINTS (LAM. GLASS) | SILICONE | DUROMETER 80±5 SHORE A |
| M4 | EL100-B01 | 2/ LITE | SETTING BLOCK AT 1/4 POINTS (INSUL. LAM. GLASS) | SILICONE | DUROMETER 80±5 SHORE A |
| M5 | #8 X 1" | - | FLUSH/FIN FRAME ADAPTER ASSEMBLY FASTENERS | ST. STEEL | FH SMS |

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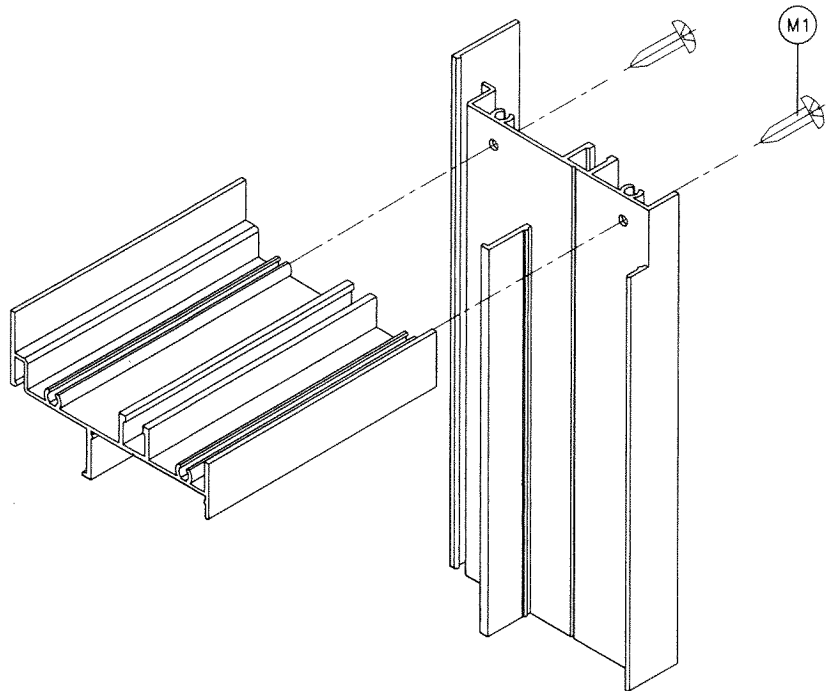
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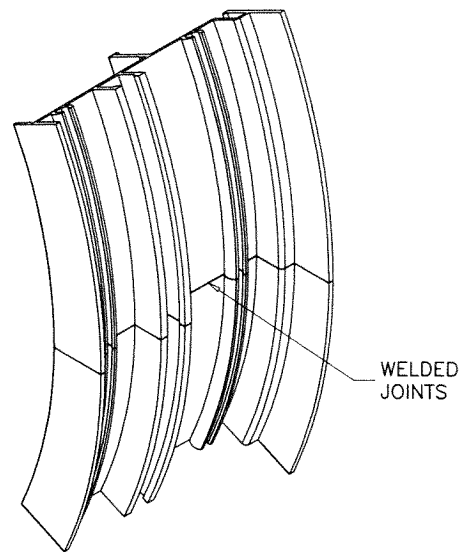
| revisions: | no | date | by | description |
|------------|----------|-----------------------|----|-------------|
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| B | 11.27.17 | NO CHANGE THIS SHEET | | |
| C | 06.22.20 | GENERAL REVISION | | |
| D | 06.15.21 | NO CHANGE THIS SHEET | | |
| E | 06.29.23 | NO CHANGE THIS SHEET | | |

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dr. by: TARIQ
chk. by:
drawing no. **W16-70**
sheet **8** of **9**

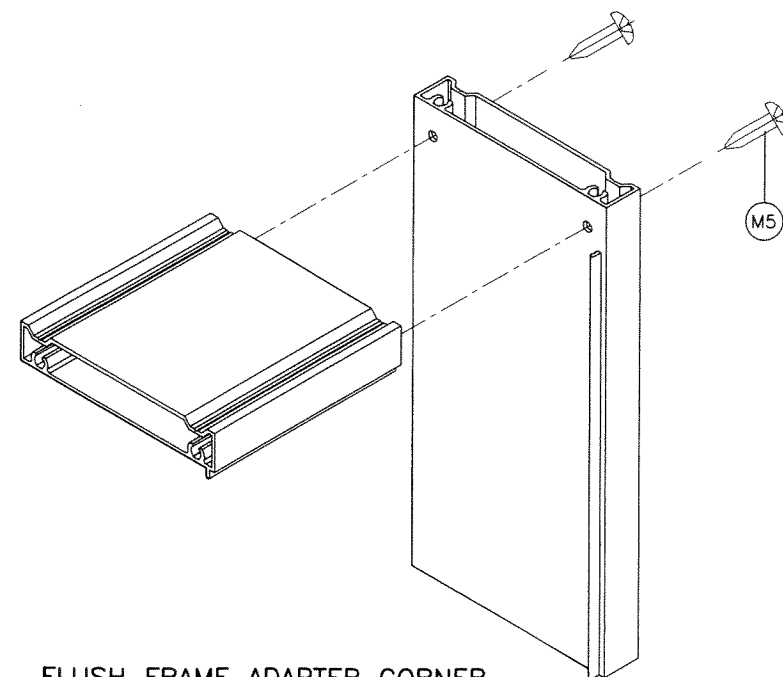
COMP-ANL\W16-70ES



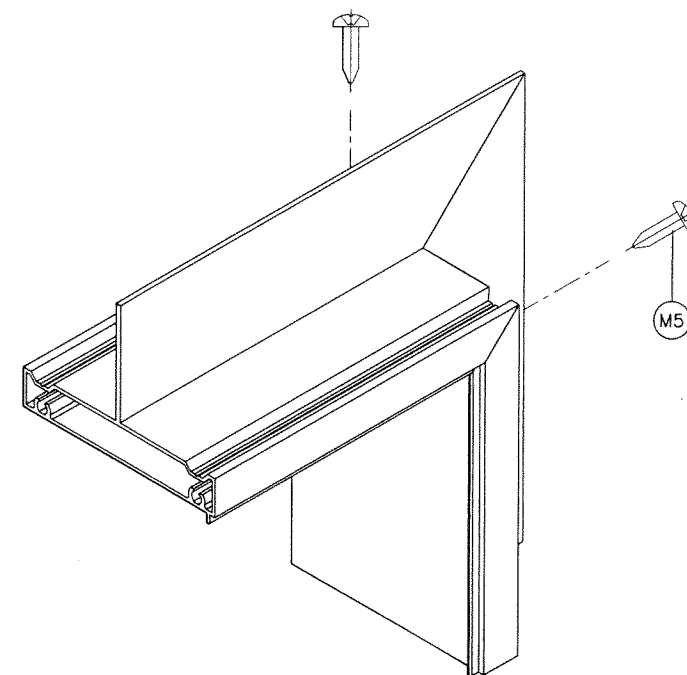
RECT. OR SQUARE WINDOWS



CIRCULAR WINDOWS



FLUSH FRAME ADAPTER CORNER



FIN FRAME ADAPTER CORNER

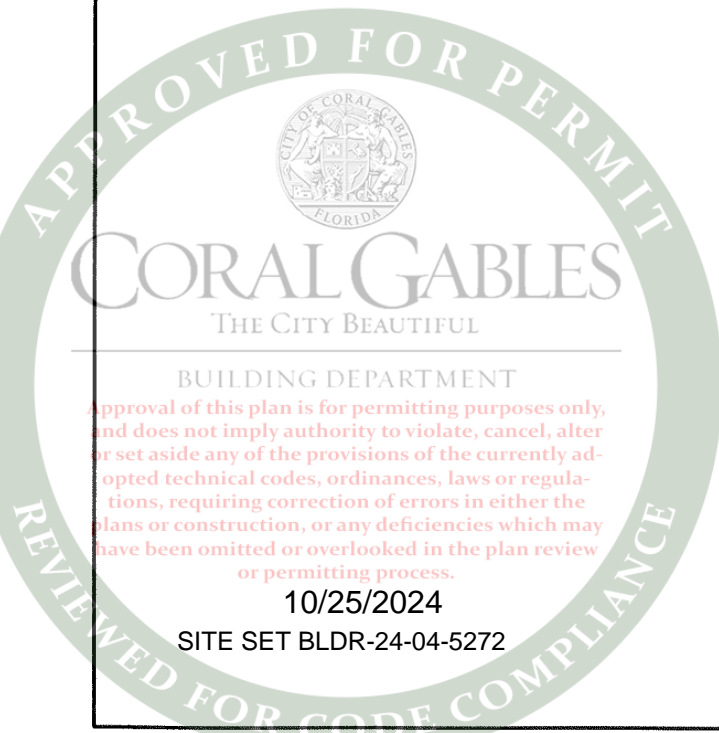
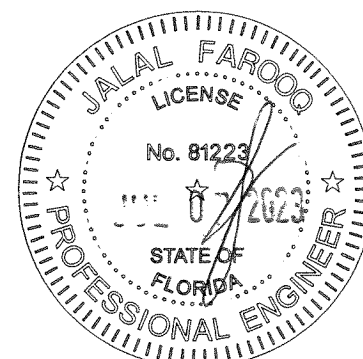
af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W16-70ES

ES-EL150 FIXED ALUMINUM WDW. (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 | 05.12.17 | | | | NO CHANGE THIS SHEET |
| B | 11.27.17 | | | | NO CHANGE THIS SHEET |
| C | 06.22.20 | | | | GENERAL REVISION |
| D | 06.15.21 | | | | NO CHANGE THIS SHEET |
| E | 06.29.23 | | | | NO CHANGE THIS SHEET |

date: 11-13-16
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:
drawing no.
W16-70
sheet 9 of 9

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **23-0714.17**
Expiration Date: **05/18/2027**
By: *Manuel Fern*
Miami-Dade Product Control





04



CITY OF CORAL GABLES
DEVELOPMENT SERVICE DEPARTMENT
Permit Application

Development Services Department
 427 Biltmore Way, 1st Floor
 Coral Gables, Florida, 33134
 Tel: 305-460-5245
 Website: www.coralgables.com
 Email: developmentsservices@coralgables.com

ALL OF THE FOLLOWING MUST BE COMPLETED BY APPLICANT ACCORDING TO FS 713.135

Date:

Permit Change:

Change of Contractor

Permit Extension

Permit Renewal

Permit Revision

Permit Supplement

Permit Type:

Building

Electrical

Mechanical

Plumbing

Misc.

App.

Date:

Master Permit #:

Sub Permit #:

Project Information:

Commercial:

Residential:

Linear Feet:

Square Feet:

Cost of Work: 19915.90

DESCRIPTION OF WORK (PRINT):

new 16 windows

Job Address: 405 VISCAYA AVE

Folio #: 03-4117-016-0050

Lot:

Block:

Subdivision:

Plat book:

Page:

PROPERTY OWNER:

Name: HARRIS LEVINE & KAMILA PRZYTLA

Address: 9700 SW 67 AVE

City/State/Zip: PINECREST, FL 33156

Telephone No.: 786-985-0174

Email: citypermittingservices@gmail.com

CONTRACTOR COMPANY NAME: PATRIOT WINDOWS AND DOORS

Qualifier Name: ALAIN ANGUERA

Address: 6073 NW 167 ST UNIT C15

City/State/Zip: MIAMI LAKES, FL 33015

License No.: CGC1531016

Telephone No.: 305-206-5292

Email: brandon@patriotwindowsdoors.com

ARCHITECT:

Name:

Address:

ENGINEER:

Name:

Address:

BONDING:

Name:

Address:

MORTGAGE LENDER:

Name:

Address:

Application is hereby made to obtain a permit to do the work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work will be performed to meet the standards of all laws regulating construction in this jurisdiction. I understand that a separate permit must be secured for ELECTRICAL WORK, PLUMBING, SIGNS, WELLS, POOLS, FURNACES BOILERS, HEATERS TANKS, AND AIR CONDITIONERS, etc. **AFFIDAVIT OF OWNER/LESSEE/AUTHORIZED AGENT:** Under penalties of perjury and the City of Coral Gables False Claims and Presentations Ordinance, City Code Chapter 39, I certify that I am the owner or that I have the owner's full consent and authorization to sign this application to obtain a permit to perform the above-mentioned work; that all the foregoing information is accurate; and that all work will be done in compliance with all applicable laws regulating construction and zoning. **WARNING TO OWNER:** YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT. The Historical Resources & Cultural Arts Department's approval is required prior to the issuance of a demolition permit. The Qualifier cannot sign below as Owner/Lessee/Authorized Agent.

Signature of Owner/Lessee/Authorized Agent:

Signature of Qualifier:

Owner/Lessee/Authorized Agent Name (Print):

Qualifier Name (Print):

STATE OF FLORIDA

ss

COUNTY OF MIAMI-DADE

The foregoing instrument was acknowledged before me by means of [] physical presence or [] online notarization, this 20th day of Feb. 2024, by Harris Levine, who [] is personally known to me or [] who has produced FL-10 as identification.

My Commission Expires:

Notary Public ZURAYAM GONZALEZ

ZURAYAM GONZALEZ

10/25/2024

SITE SET BLDR-24-04-5272

STATE OF FLORIDA

ss

COUNTY OF MIAMI-DADE

The foregoing instrument was acknowledged before me by means of [] physical presence or [] online notarization, this 20th day of Feb. 2024, by Alain Anguera, who [] is personally known to me or [] who has produced FL-10 as identification.

My Commission Expires:

Notary Public

ZURAYAM GONZALEZ

ZURAYAM GONZALEZ

Notary Public - State of Florida

Commission # HH 160053

My Comm. Expires Sep 12, 2025

Bonded through National Notary Assn.