



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/economy

Multivi S.A. de C.V.,
Carril de San Cristobal
134 A, Parque Industrial Chachapa
Amozac de Mota, Puebla, Mexico 72990

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 "Multi IV" Wood Lift & Sliding Glass Doors (OX) – L.M.I.

APPROVAL DOCUMENT: Drawing No. MLS-LMIHZ, titled "Lift Wood Sliding Glass Doors", sheets 1 through 13 of 13, dated SEP 29, 2020, prepared by Wolters Engineering., signed and sealed by Scott Wolters, P. E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and Approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitations:

1. Water drainage system, under separate approval, to be reviewed by AHJ (Authority Having Jurisdiction)

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

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 consists of this page 1 and evidence page E-1, as well as approval document mentioned above.
This submittal documents reviewed by **Ishaq I. Chanda, P.E.**

NOA No. 19-1216.03
Expiration Date: February 11, 2026
Approval Date: February 11, 2021
Page 1



2/11/21

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections
2. Drawing No. **MLS-LMIHZ**, titled "Lift Wood Sliding Glass Doors", sheets 1 through 13 of 13, dated SEP 29, 2020, prepared by Wolters Engineering., signed and sealed by Scott Wolters, P. E.

B. TESTS

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

Along with marked-up drawings and installation diagram of Wood Lift and Slide wood glass doors, prepared by Intertek Testing, Test Report No. **I7686.01-450-18 RO**, dated 08/06/2019, signed and sealed by Vinu J. Abraham, P. E.

(Note: This test report has addendum letter dated 10/09/20, issued by Intertek Testing lab., signed and sealed by Vinu J. Abraham, P. E.

C. CALCULATIONS

1. Anchor verification calculations complying w/ FBC 2020 (7th Edition), dated Nov 18, 2019 and last revised on SEP 03, 2020, prepared, signed and sealed by Scott Wolters, P.E.
2. Glazing complies with ASTM E-1300-02 & -09.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

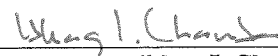
1. Notice of Acceptance No. **17-0808.02** issued to Kuraray America, Inc. (former E.I. DuPont DE Nemours & Co., Inc.) for the "**Sentry Glass ® Interlayer**", expiring on 07/04/23.

F. STATEMENTS

1. Statement letter of conformance to FBC 2020 (7th Edition) and letter of no financial interest, prepared by Wolters Engineering, dated SEP 03, 2020, signed and sealed by Scott Wolters, P.E.
2. Distributor Agreement between MultiVI SA de CV, Mexico and BWS, USA, LLC, documents in conformance to RER guidelines dated January 23, 2021 signed by Lars Hanschke Busch, CEO and Christian B. Saatzer, Operation Director on behalf of their respective companies.

G. OTHER

1. None



Ishaq I. Chanda, P.E.

Product Control Unit Supervisor

NOA No. 19-1216.03

Expiration Date: February 11, 2021

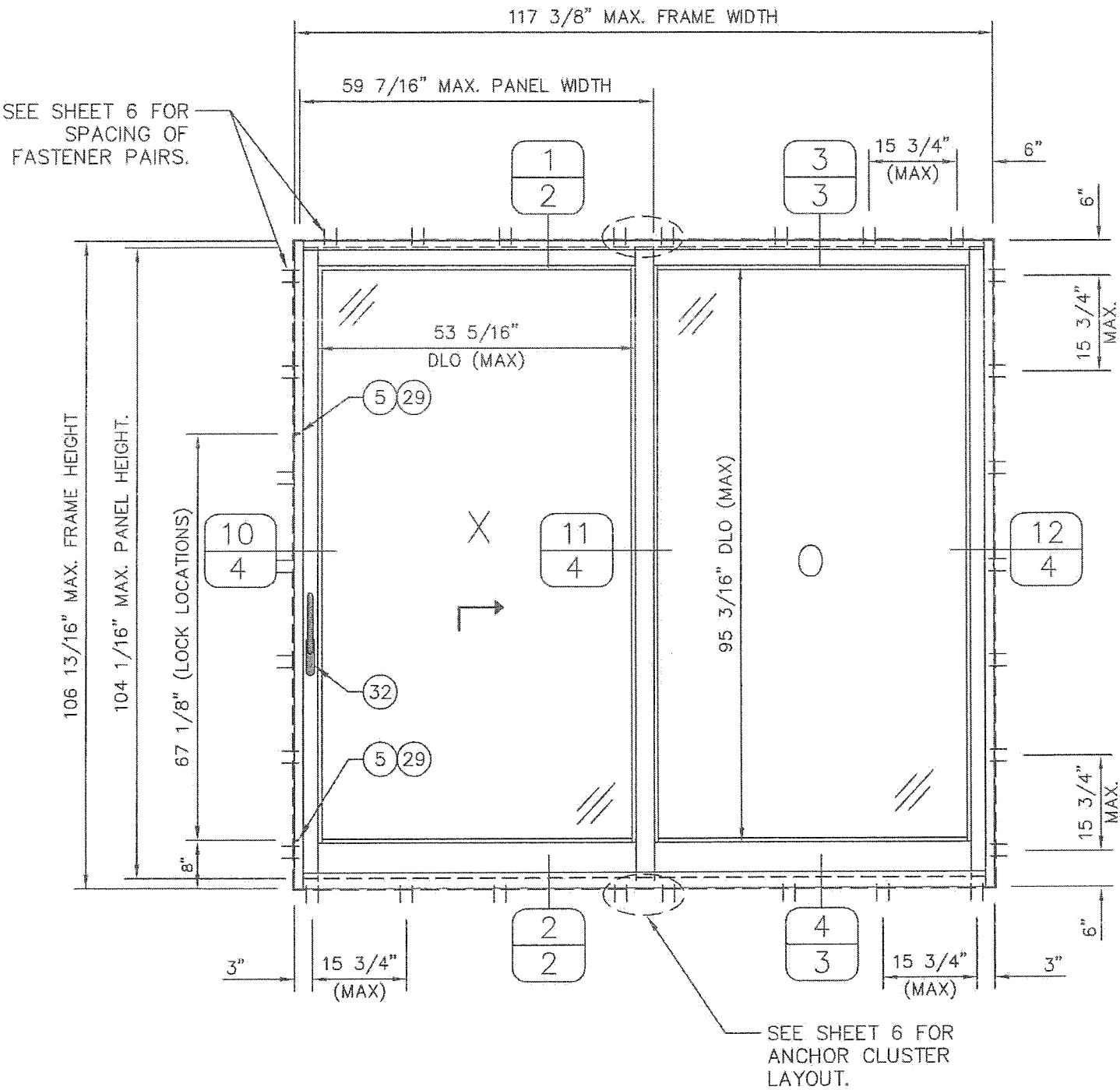
Approval Date: February 11, 2021

MULTIVI LIFT & SLIDE GLAZED WOOD DOOR

- GENERAL NOTES:
- 1. THIS PRODUCT HAS BEEN TESTED PER TAS 201, 202, & 203, AND MEETS ALL OF THE REQUIREMENTS OF THE 7TH EDITION (2020) FLORIDA BUILDING CODE, INCLUDING THE HVHZ PROVISIONS.
 - 2. THIS PRODUCT IS LARGE MISSILE IMPACT RESISTANT. SHUTTERS ARE NOT REQUIRED IN WINDBORNE DEBRIS REGIONS.
 - 3. OPENING SUBSTRATES, 1x OR 2x WOOD BUCKS (OPTIONAL), AND WOOD BUCK FASTENERS ARE BY OTHERS AND MUST BE DESIGNED AND INSTALLED PER FBC REQUIREMENTS TO SAFELY TRANSFER THE LOADS FROM THIS SYSTEM TO THE BUILDING STRUCTURE. SUBSTRATES SHALL MEET THE MIN STRENGTH REQUIREMENTS LISTED IN THE ANCHOR DETAILS ON SHEETS 5 & 6.
 - 4. ANCHOR TYPE, SIZE, SPACING, AND EMBEDMENT SHALL BE AS LISTED IN THE ANCHOR DETAILS ON SHEETS 5 & 6, ANCHOR EMBEDMENT IN SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO.
 - 5. ALL FASTENERS PENETRATING INTO PRESSURE TREATED WOOD SHALL BE CAPABLE OF PREVENTING CORROSION DUE TO REACTION WITH PRESSURE TREATMENT CHEMICALS.
 - 6. THE 4/3 INCREASE IN ALLOWABLE STRESS FOR SHORT-TERM LOADING HAS NOT BEEN USED IN THE DESIGN OF THIS SYSTEM. THE 1.6 Cd FACTOR HAS BEEN USED IN THE ANALYSIS OF WOOD SCREWS ONLY.
 - 7. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE PROTECTED TO PREVENT GALVANIC REACTIONS IN ACCORDANCE WITH FBC CHAPTERS 20 AND 23.
 - 8. SEE SHEET 13 FOR CORNER CONSTRUCTION INFO.
 - 9. ALL WOOD SHAPES ARE MADE FROM AMERICAN OAK (S.G.=0.68, E=1.7x10 psi min)
 - 10. METAL SUBSTRATES MUST MEET AT SILL MUST BE REVIEWED FOR ADDITIONAL DEAD LOADS AND APPROVED BY THE AUTHORITIES HAVING JURISDICTION (AHJ).
 - 11. THE STANDARD DOOR IS NOT APPROVED FOR USE IN AREAS WHERE WATER INFILTRATION IS REQUIRED. THE DRAINAGE SYSTEM SHOWN ON SHEETS 7 & 8 IS NOT A PART OF THIS APPROVAL, BUT IT MAY BE APPROVED FOR RESISTANCE TO WATER INFILTRATION BY THE AHJ.

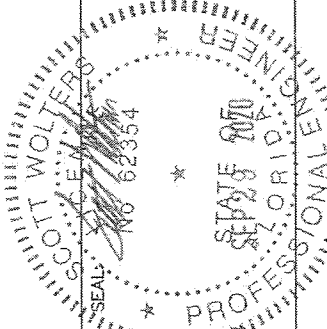
DESIGN PRESSURE
+/- 55 PSF*

* WHERE RESISTANCE TO WATER INFILTRATION IS REQUIRED, THE DRAINAGE SYSTEM SHOWN ON SHEETS 7 & 8 MUST BE APPROVED BY THE AUTHORITIES HAVING JURISDICTION (AHJ).



OX (LIFT & SLIDE)
INTERIOR ELEVATION VIEW
(NOT TO SCALE)

Approved as complying with the
Florida Building Code
Date 2/11/21
NOA# 19-1216-03
Miami Dade Product Control
By [Signature]



SCOTT WOLTERS
FL PE# 62354
WOLTERS ENGINEERING
(COA# 27184)
15211 97TH ROAD N
WEST PALM BEACH, FL 33411
(561) 225-1982



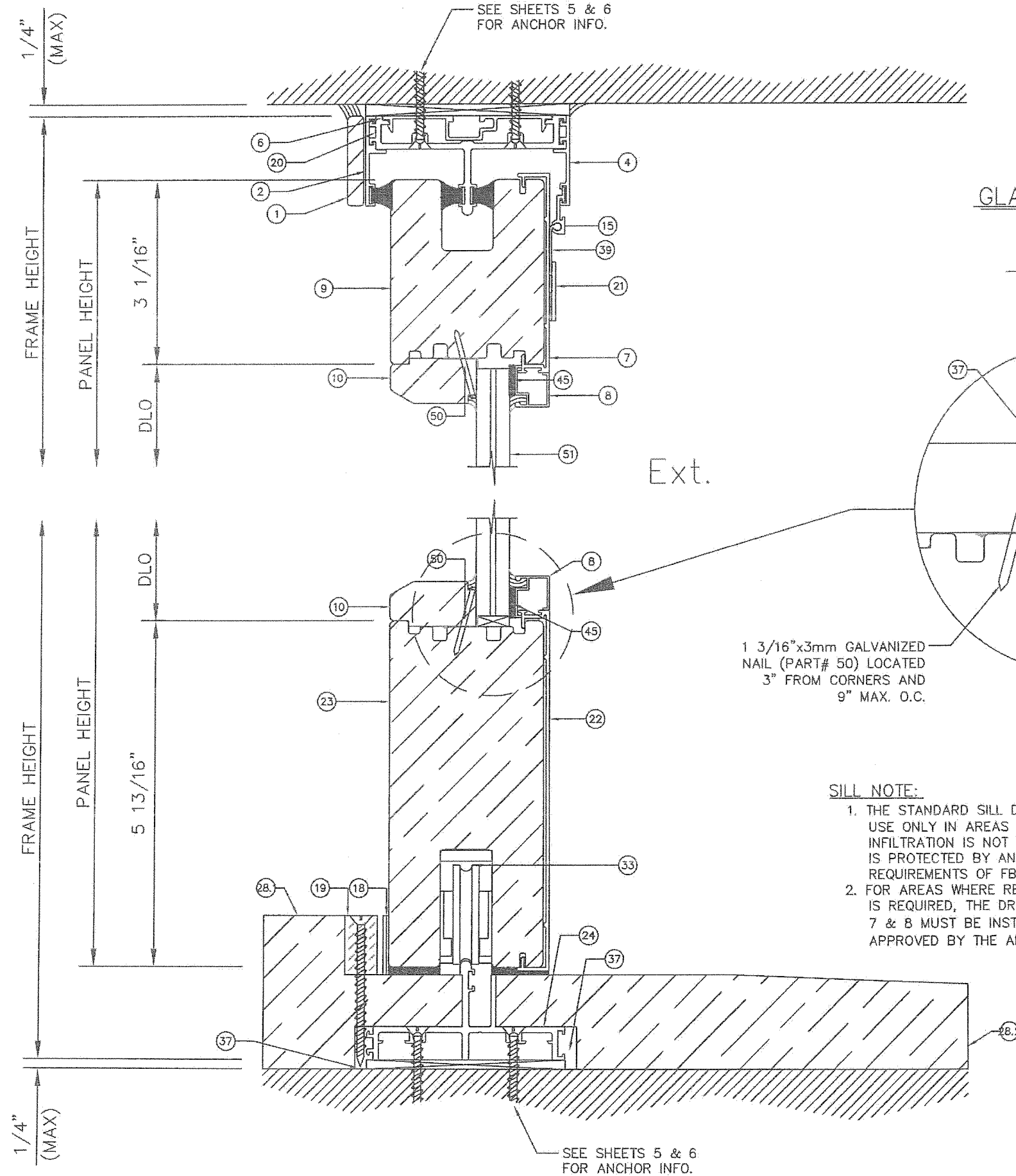
MULTIVI S.A. DE C.V.
CARRIL DE SAN CRISTOBAL 134-A
PARK INDUSTRIAL CHACHAPA
AMOZOC DE MOTA, PUEBLA, MEXICO 72990
PH: +52 (222) 2 40 33 00
+521 (222) 7 08 78 67

DWG: **MLS-LMIHZ**
SHEET: **1/13**

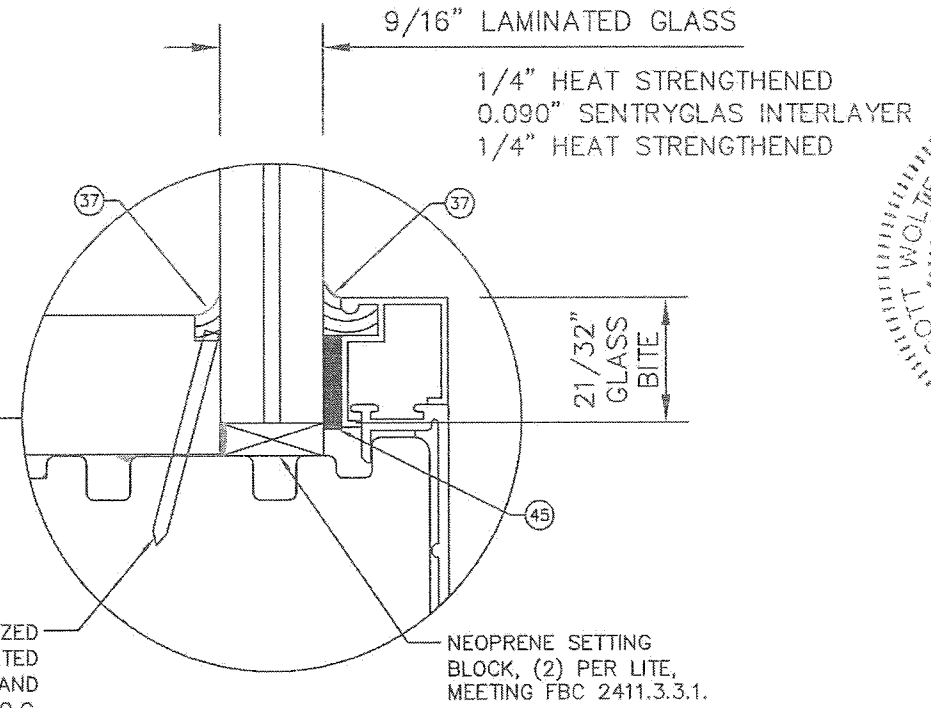
REV.#	DATE	PRINTS ISSUED FOR
1	10/15/19	1ST SUBMITTAL

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GLAZING DETAIL

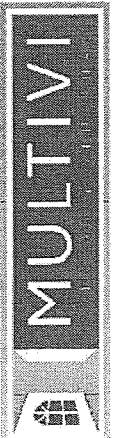
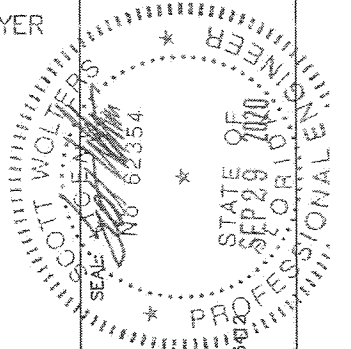


SILL NOTE:

1. THE STANDARD SILL DETAIL SHOWN IS APPROVED FOR USE ONLY IN AREAS WHERE RESISTANCE TO WATER INFILTRATION IS NOT REQUIRED OR WHERE THE DOOR IS PROTECTED BY AN OVERHANG MEETING THE REQUIREMENTS OF FBC SECTION 1709.5.1.
2. FOR AREAS WHERE RESISTANCE TO WATER INFILTRATION IS REQUIRED, THE DRAINAGE SYSTEM DETAILED IN SHEETS 7 & 8 MUST BE INSTALLED (DRAINAGE SYSTEM MUST BE APPROVED BY THE AHJ).

Approved as complying with the
Florida Building Code
Date 2/11/21
NOA# 19-1216-03
Miami Dade Product Control

By 18-09-1-11-21



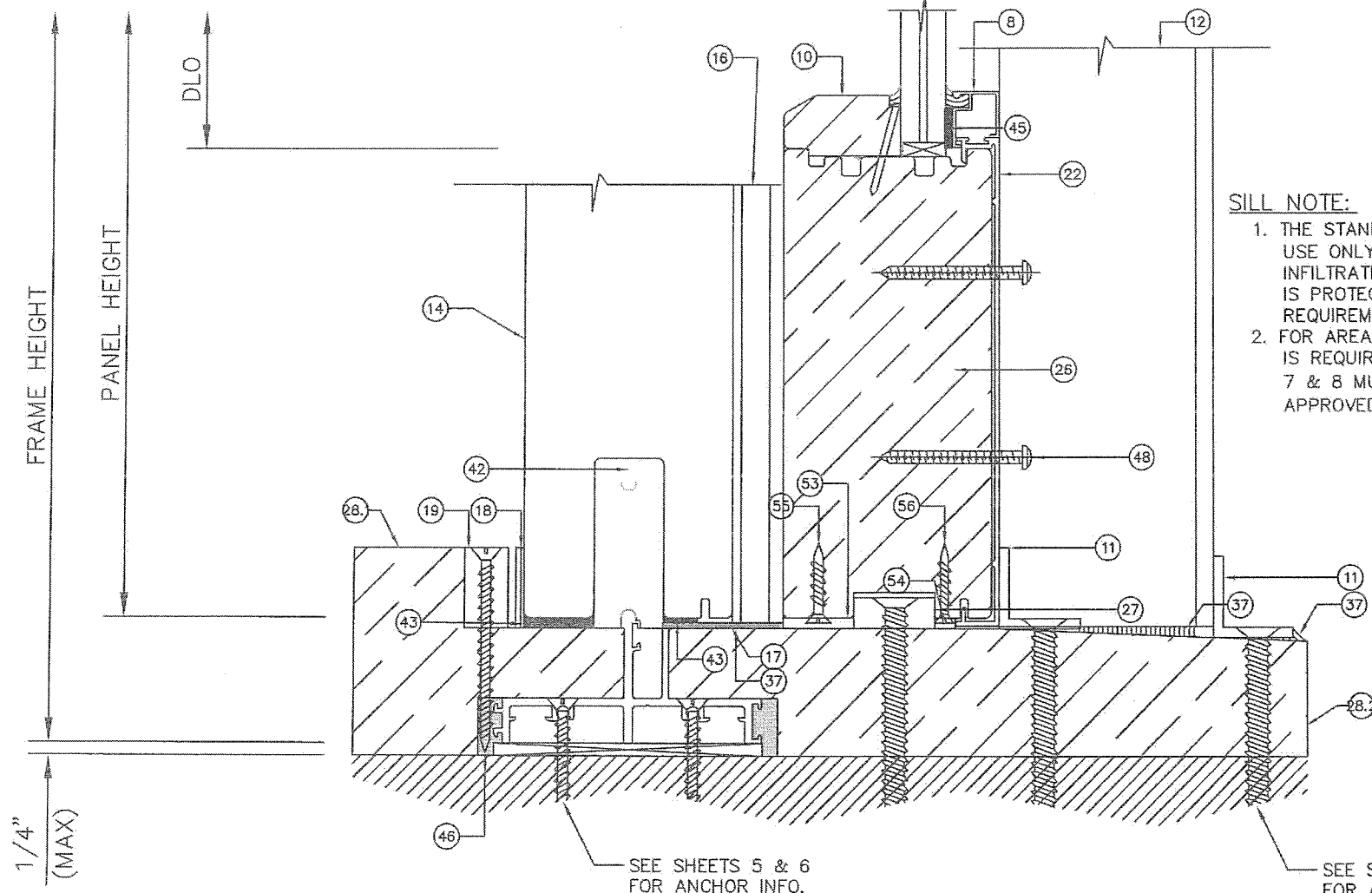
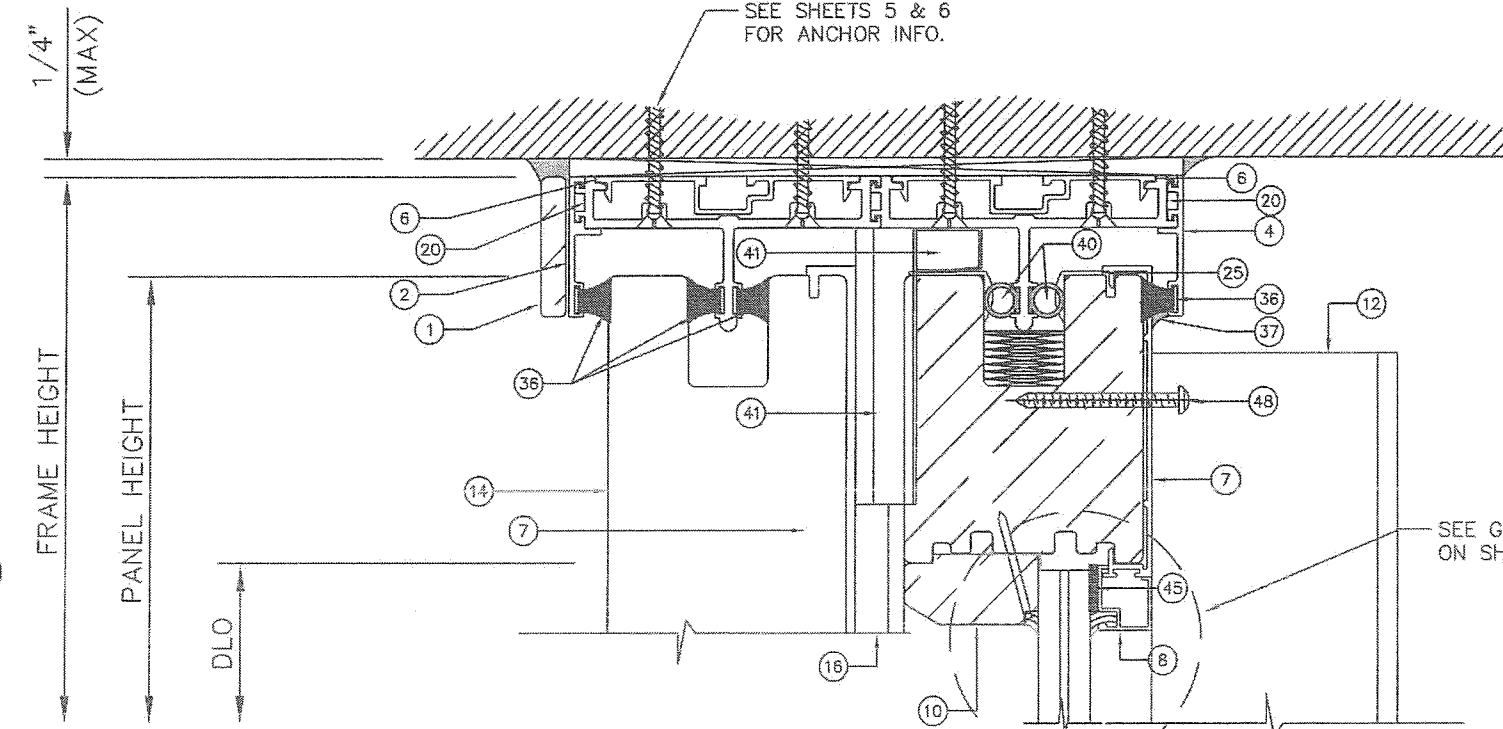
MULTIVI S.A. DE C.V.
CARRIL DE SAN CRISTOBAL 134-A
PARK INDUSTRIAL CHACHAPALA
AMAZOC DE MOTA, PUEBLA, MEXICO 72990
PH: +52 (222) 2 40 33 00
+521 (222) 7 08 78 67

DWG:
MLS-LMIHZ
SHEET:
2/13

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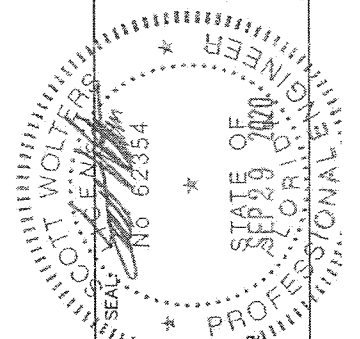


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Date 2/11/21
NOA# 19-1216-03
Miami Dade Product Control

By Isheg I. Llanza



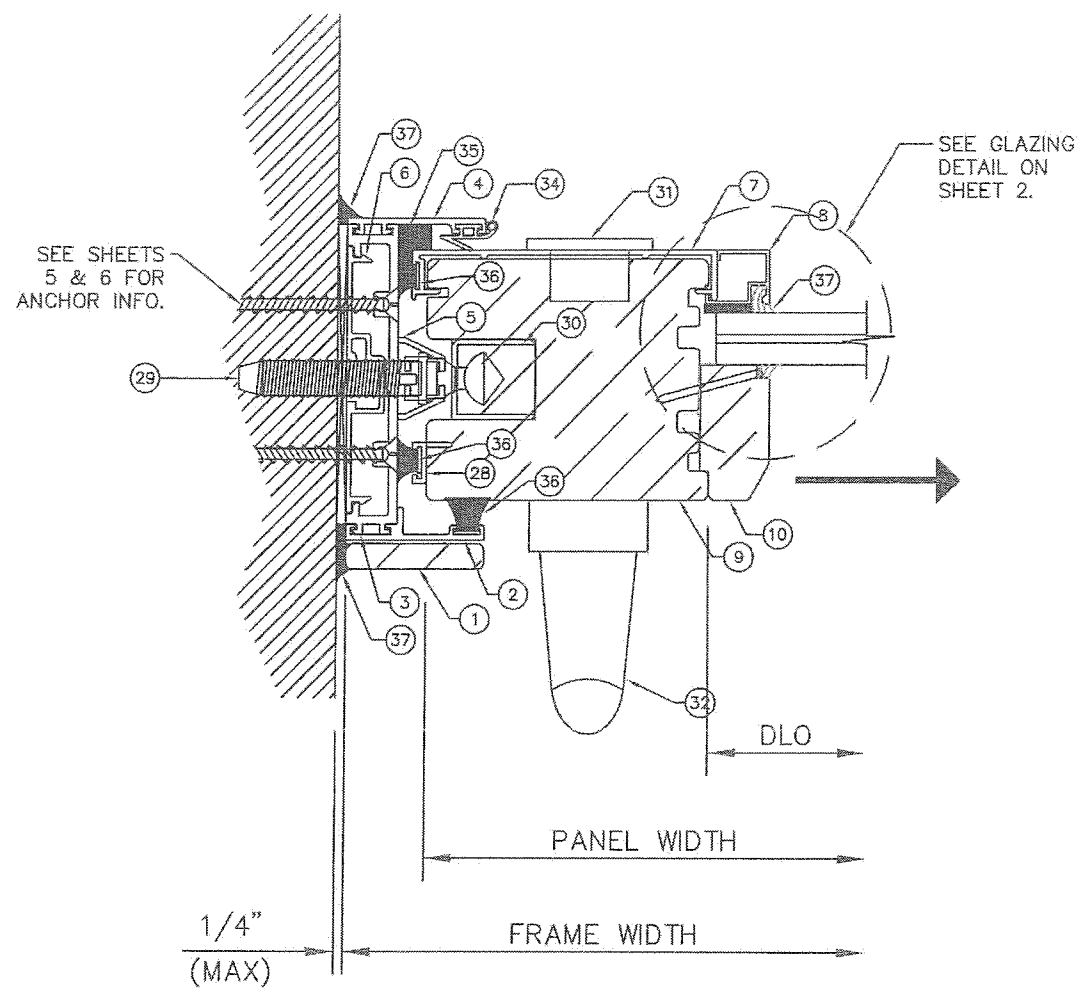
SCOTT WALTERS
FL PE# 62354
WALTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
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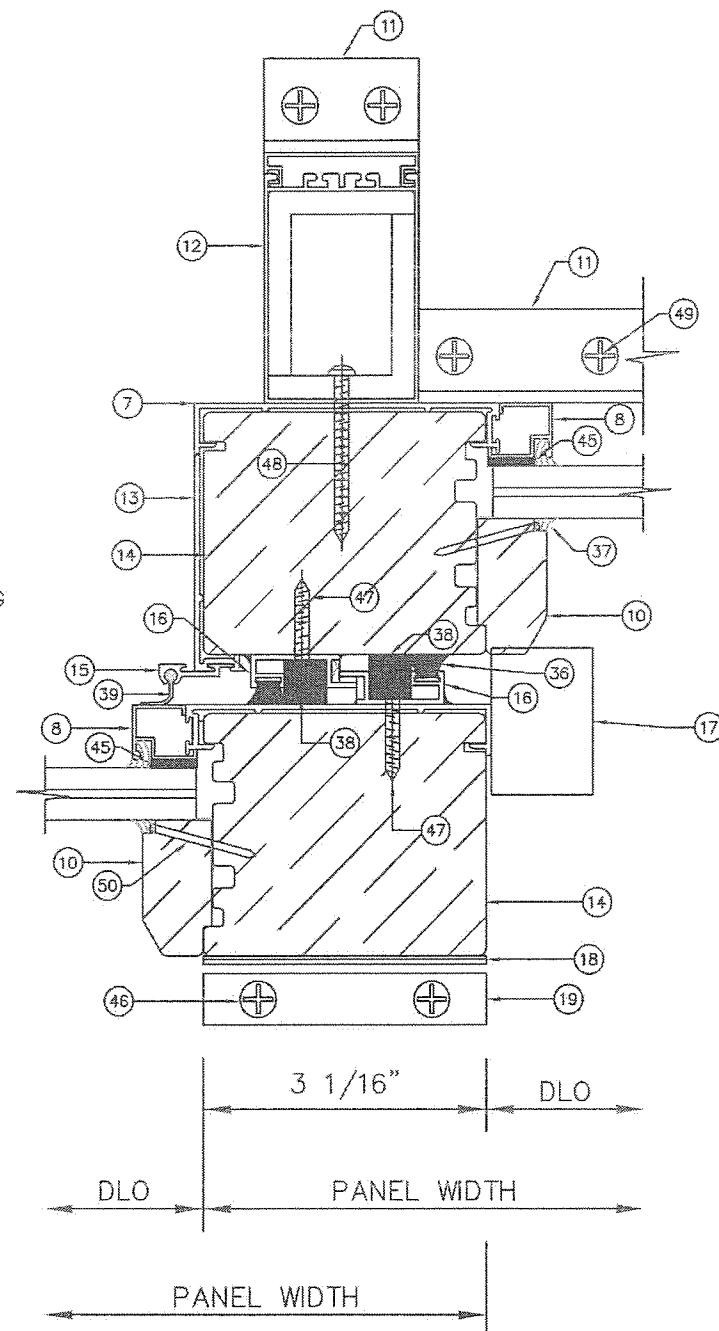
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PH: +52 (222) 2 40 33 00
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DWG: **MLS-LMIHZ**
SHEET: **3/13**

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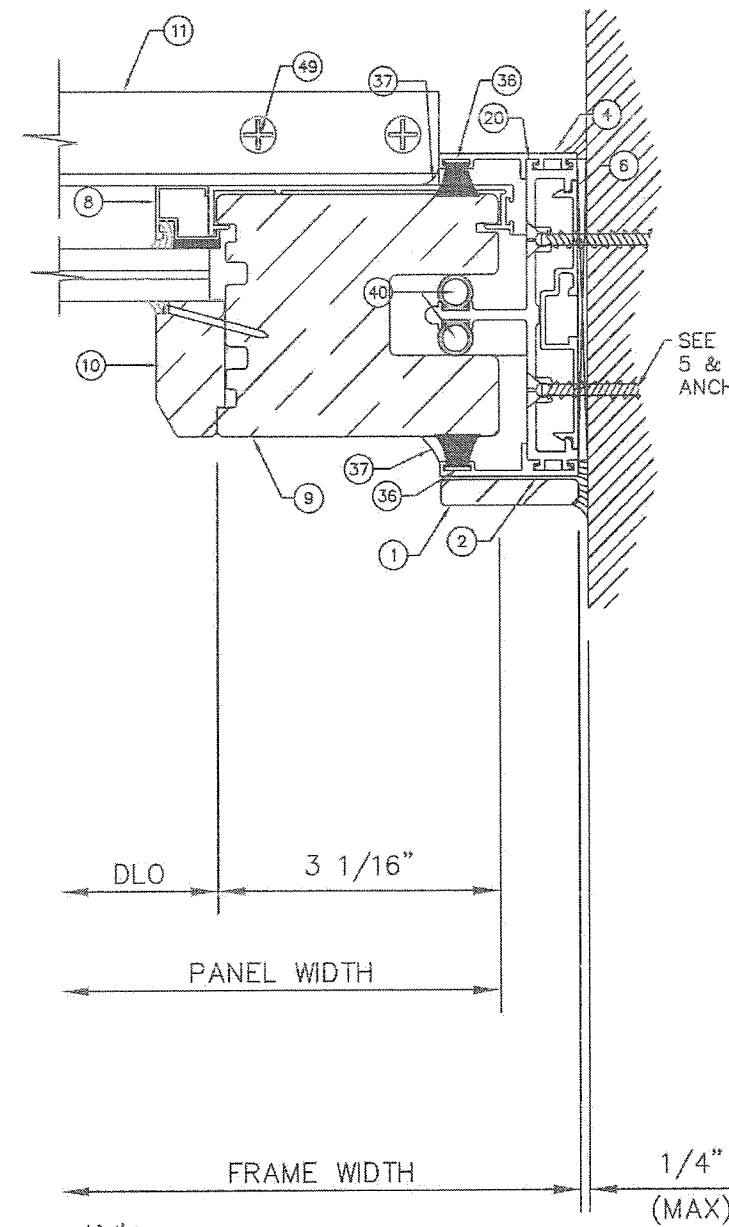
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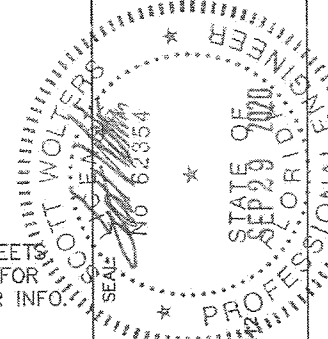
Approved as complying with the
Florida Building Code
Date 2/11/12
NOA# 19-12/16-03
Miami Dade Product Control
By Ismael Hernandez

Ext.



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SEE SHEETS 5 & 6 FOR ANCHOR INFO.



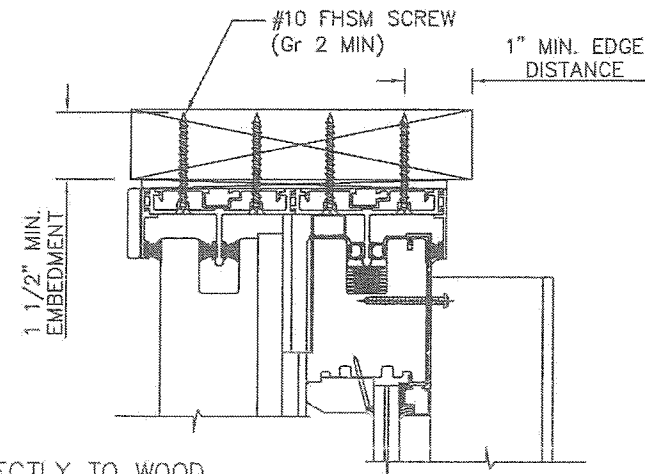
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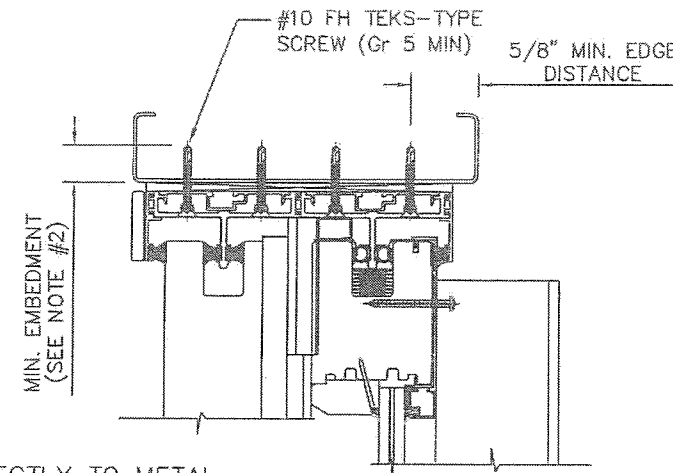
DWG: **MLS-LMIHZ**
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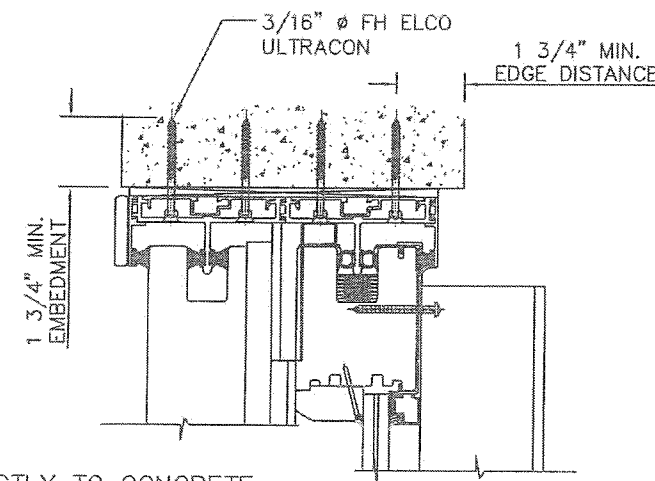
HEAD ANCHORS AT FIXED PANEL:



DIRECTLY TO WOOD
(2x, S.G.=0.5 MIN)



DIRECTLY TO METAL
(16 Ga, 45 ksi MIN)
or
(1/8" 6063-T6 MIN)

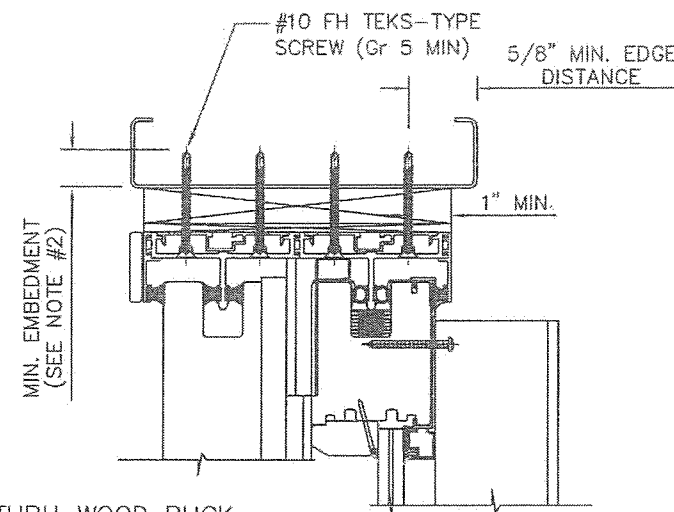


DIRECTLY TO CONCRETE
(2846 psi MIN)

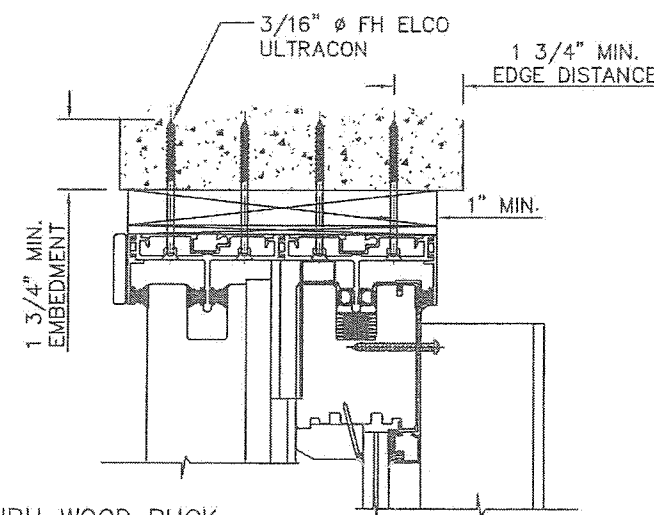
ANCHOR DETAILS

ANCHOR NOTES:

1. SEE SHEET 6 FOR ANCHOR SPACING.
2. MIN. EMBEDMENT FOR ANCHORS IN STEEL IS FULLY PENETRATING THE METAL WITH MIN. 3 THREADS BEYOND.
3. OPTIONAL 1x PRESSURE TREATED WOOD BUCKS MAY BE USED FOR INSTALLATIONS INTO METAL OR CONCRETE. IF USED, THE WOOD BUCKS MUST BE ADEQUATELY ANCHORED TO PREVENT FASTENER BENDING.
4. IF 2x WOOD BUCKS ARE USED, THEY MUST BE ADEQUATELY ANCHORED TO TRANSFER ALL LOADS FROM THE DOORS TO THE BUILDING SUBSTRATE.
5. OPTIONAL WOOD BUCKS ARE SHOWN AT HEAD. THEY MAY ALSO BE USED AT SILL AND JAMBS.

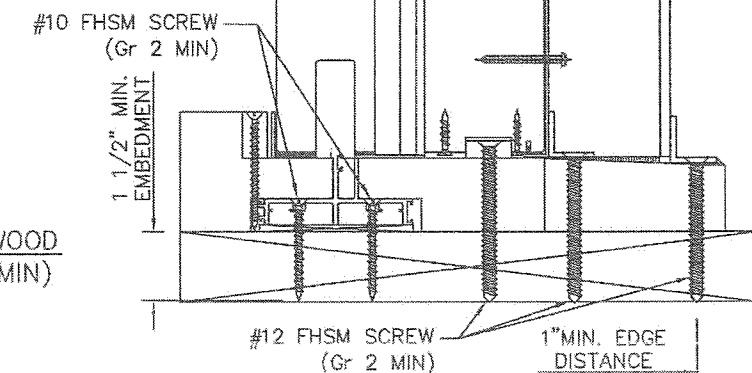


THRU WOOD BUCK
INTO METAL

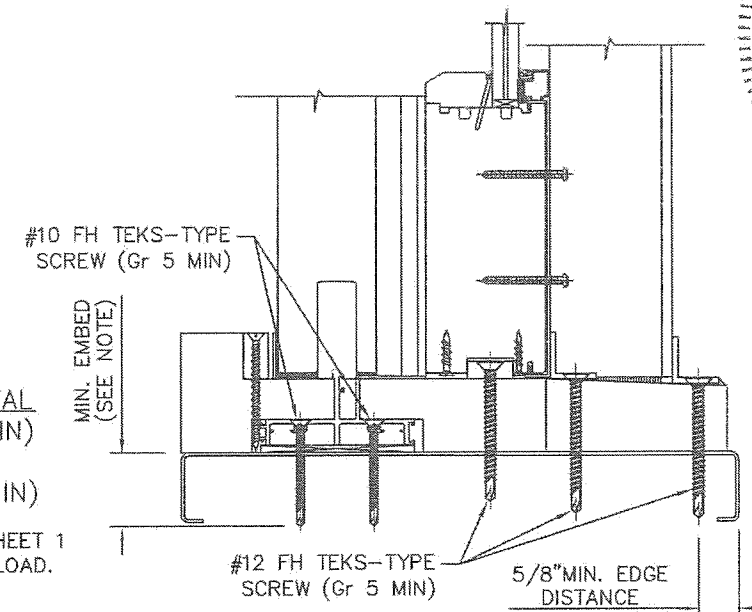


THRU WOOD BUCK
INTO CONCRETE

SILL AT FIXED PANEL:

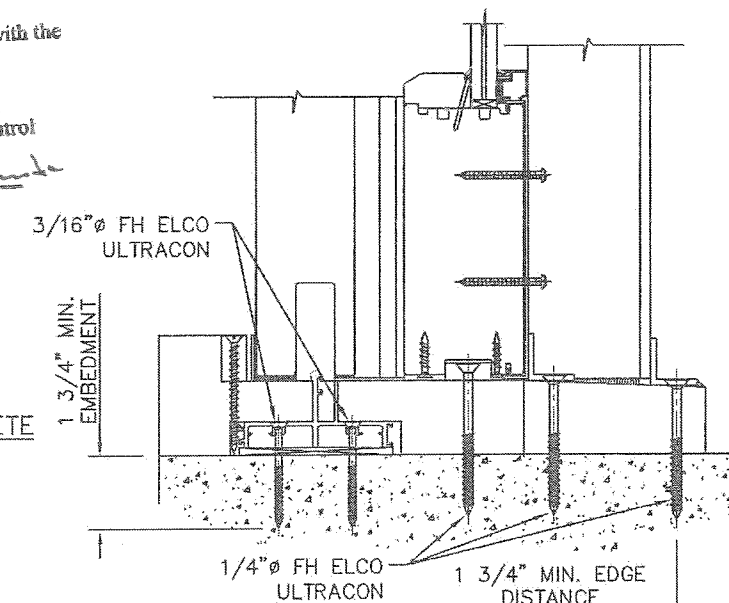


DIRECTLY TO WOOD
(2x, S.G.=0.5 MIN)



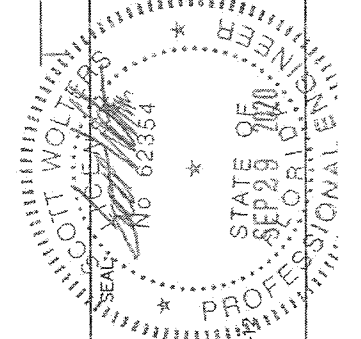
DIRECTLY TO METAL
(16 Ga, 45 ksi MIN)
or
(1/8" 6063-T6 MIN)

SEE NOTE 10 ON SHEET 1
CONCERNING DEADLOAD.



DIRECTLY TO CONCRETE
(2846 psi MIN)

Approved as complying with the
Florida Building Code
Date 2/11/21
NOA# 19-1216-03
Miami Dade Product Control
By Ismael Chanda

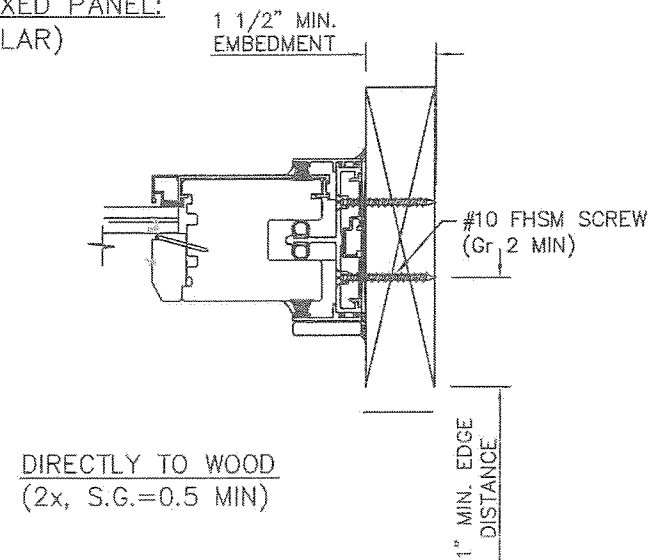


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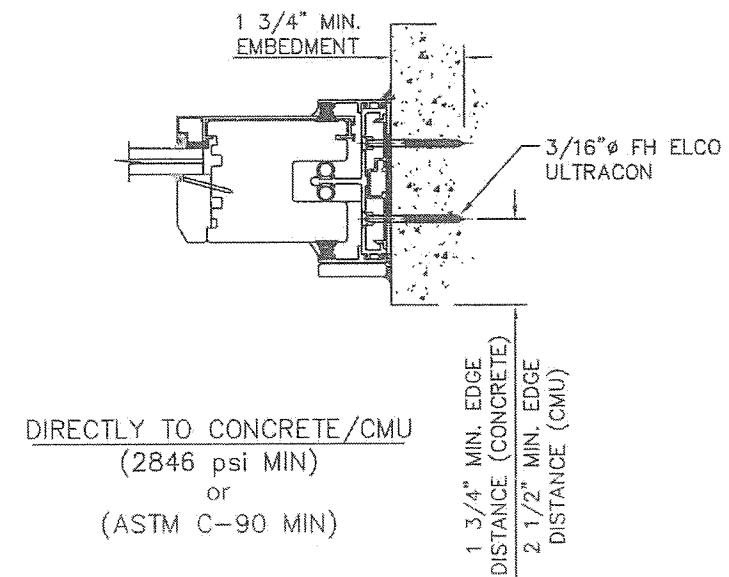
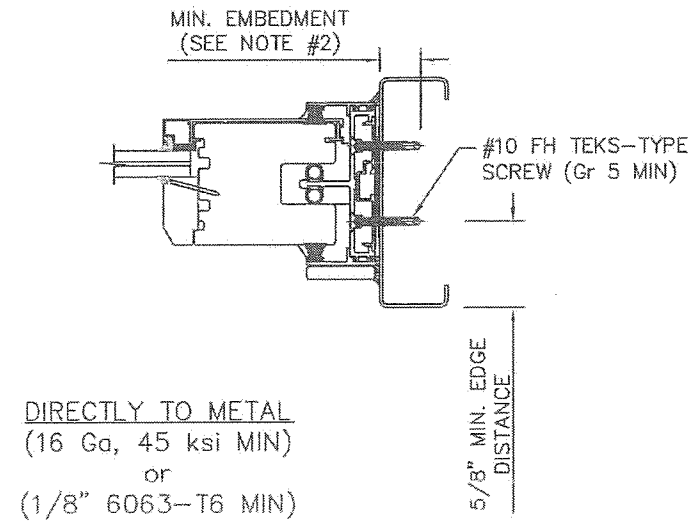
DWG: **MLS-LMIHZ**
SHEET: **5/13**

REV.#	DATE	ISSUED FOR
1	10/15/19	TEST SUBMITTAL
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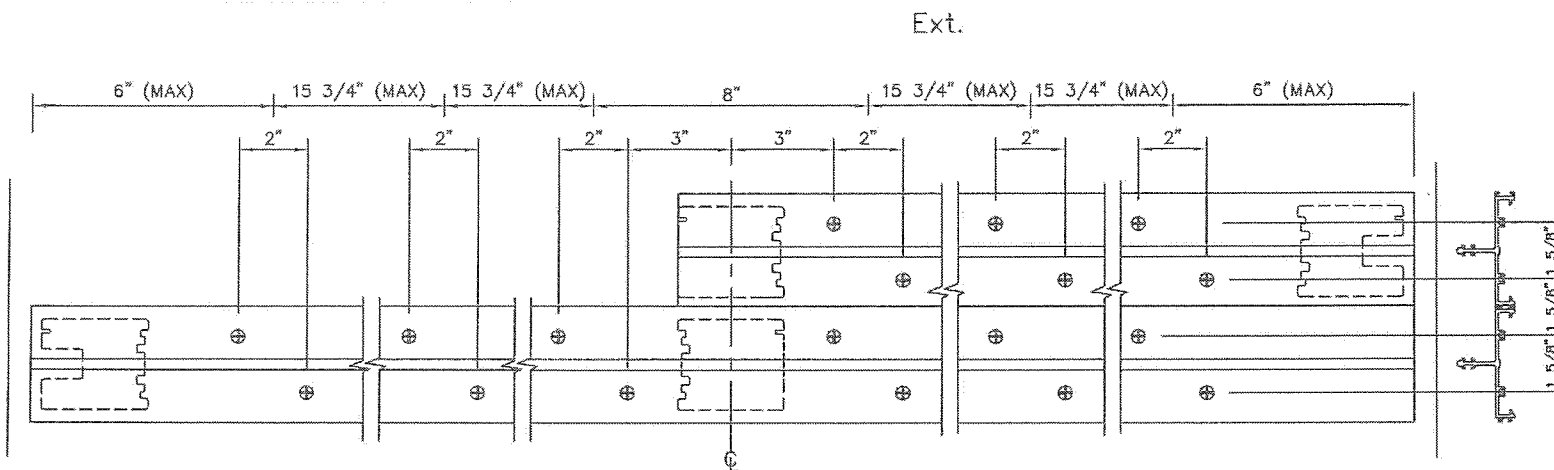
JAMB ANCHORS AT FIXED PANEL:
(OPERABLE JAMB SIMILAR)



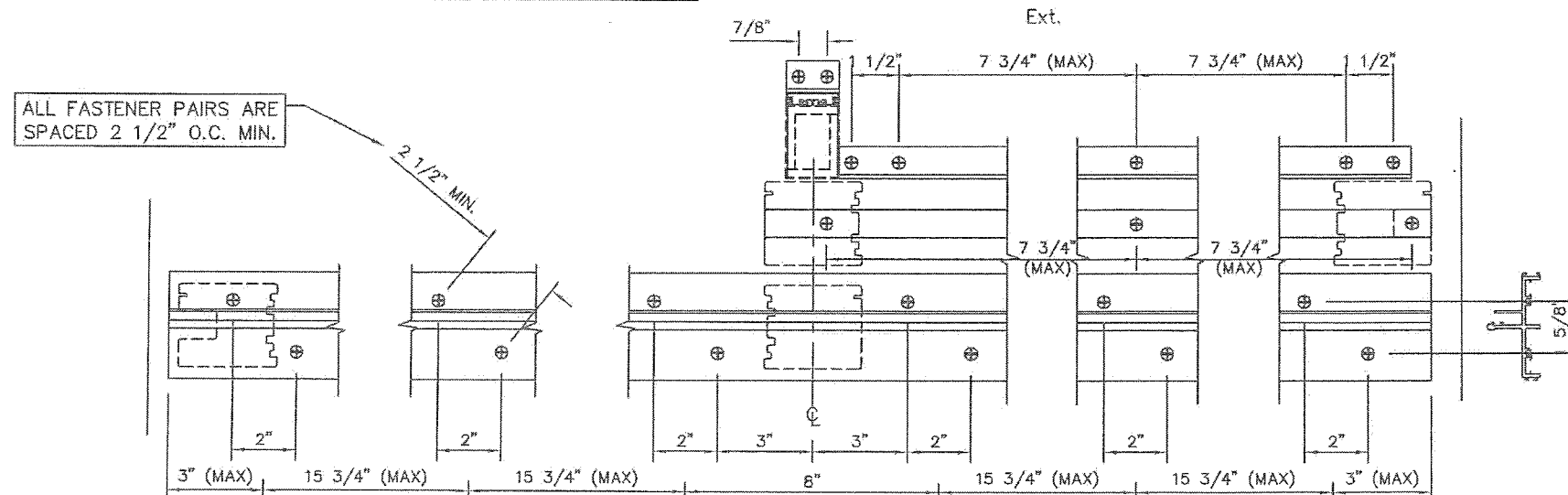
ANCHOR DETAILS



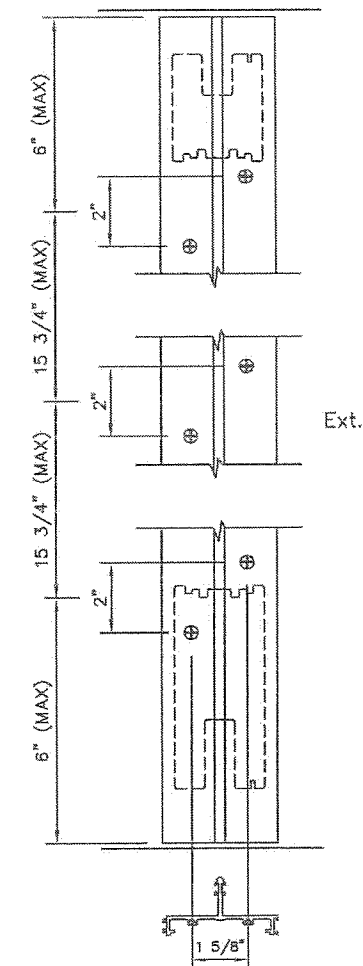
HEAD ANCHOR LOCATIONS:



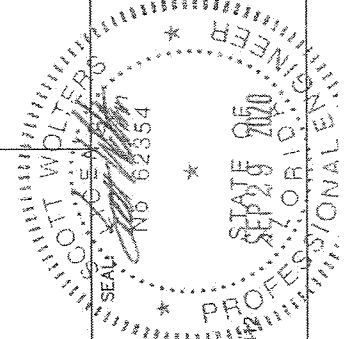
SILL ANCHOR LOCATIONS:



JAMB ANCHOR LOCATIONS:



Approved as complying with the
Florida Building Code
Date 2/11/21
NOA# 19-1216-03
Miami Dade Product Control
By [Signature]



MULTIVI S.A. DE C.V.
CARRIL DE SAN CRISTOBAL 134-A
PARK INDUSTRIAL CHACHAPA
AMAZOC DE MOTA, PUEBLA, MEXICO 72990

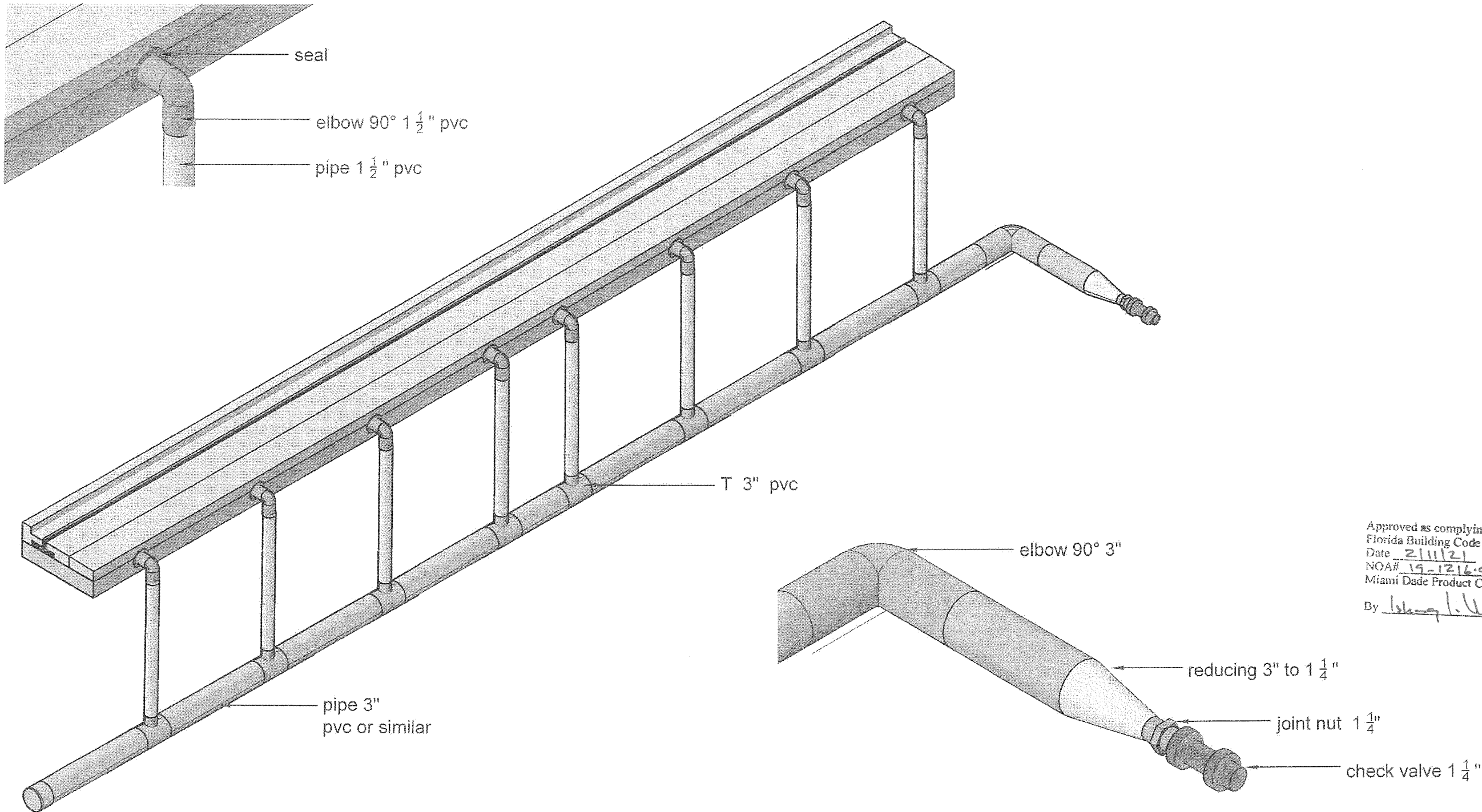
PH: +52 (222) 2 40 33 00
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DWG: MLS-LMIHZ
SHEET: 6/13

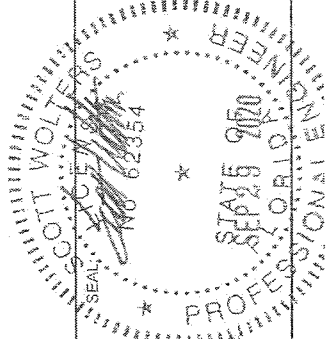
REV.#	DATE	ISSUED FOR
1ST SUBMITTAL	10/15/19	PRINTS

GUTTER SYSTEM DETAILS -
REQUIRED FOR RESISTANCE
TO WATER INFILTRATION.

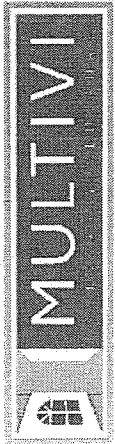
PLEASE NOTE - THE DRAINAGE SYSTEM SHOWN IS FOR
ILLUSTRATION PURPOSES ONLY, AND IS NOT A PART OF
THIS APPROVAL. IF REQUIRED FOR RESISTANCE
TO WATER INFILTRATION, IT MUST BE APPROVED BY THE
AUTHORITY HAVING JURISDICTION (AHJ).



Approved as complying with the
Florida Building Code
Date 2/11/21
NOA# 19-1216-03
Miami Dade Product Control
By [Signature]



SCOTT WALTERS
FL PE# 62354
WALTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
(561) 225-1982

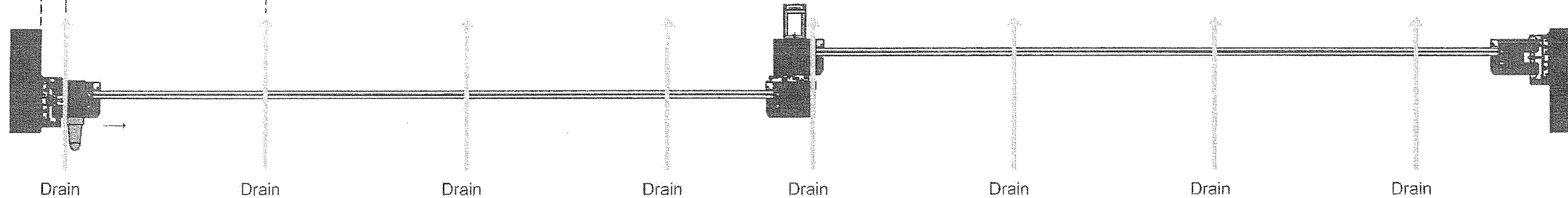


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PARK INDUSTRIAL CHACHAPA
AMAZOC DE MOTA, PUEBLA, MEXICO 72990
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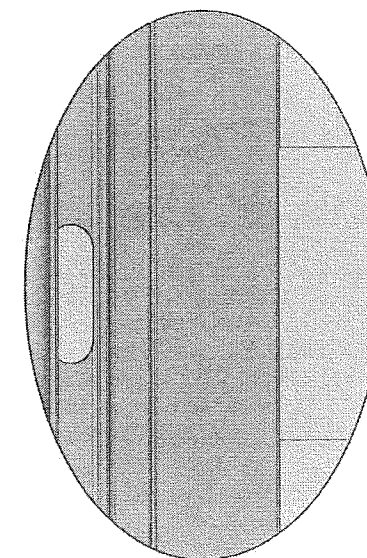
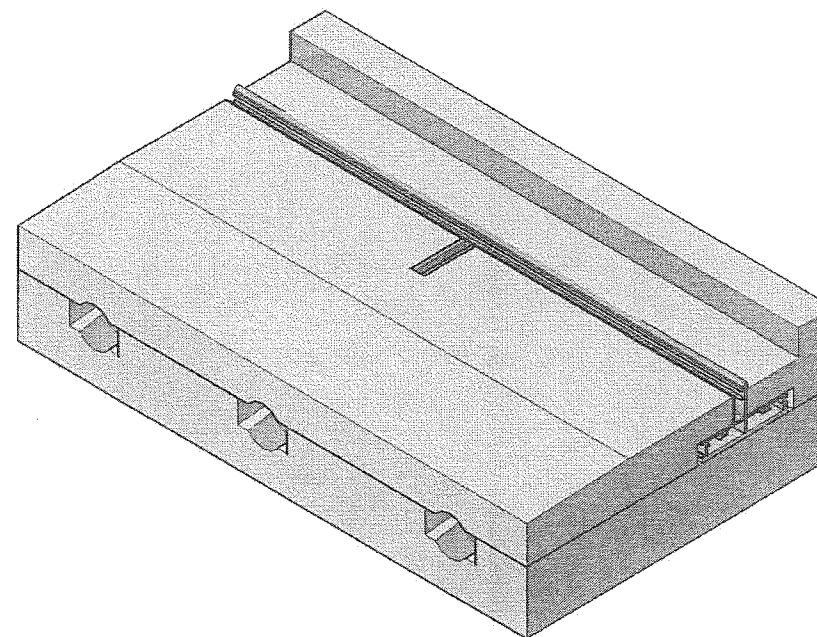
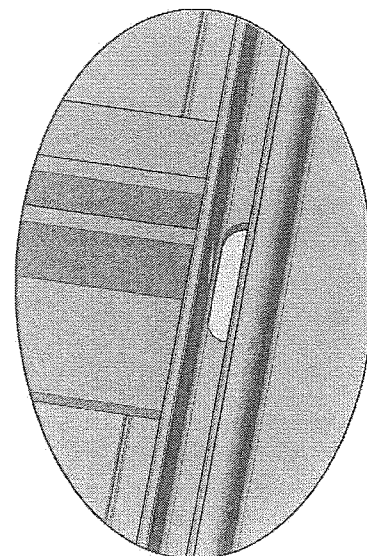
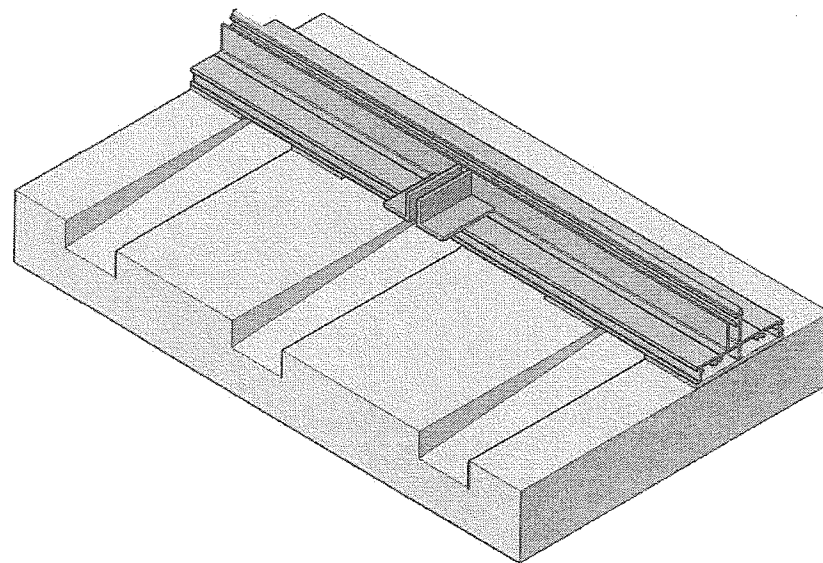
DWG:
MLS-LMIHZ
SHEET:
7/13

50.00mm
[1.969"]

15 3/4" MAX



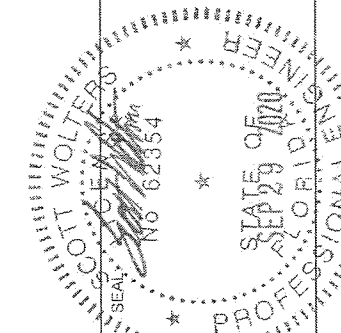
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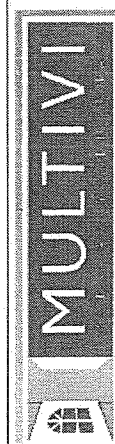
PLEASE NOTE - THE DRAINAGE SYSTEM SHOWN IS FOR ILLUSTRATION PURPOSES ONLY, AND IS NOT A PART OF THIS APPROVAL. IF REQUIRED FOR RESISTANCE TO WATER INFILTRATION, IT MUST BE APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ).

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By Lsh-gj. Chen



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SHEET: **8/13**

REV.#	DATE	PRINTS ISSUED FOR
1	10/15/19	1ST SUBMITTAL

No	Description	Material
1	inside cover	AMERICAN OAK
2	inside cover	6063-T5 ALUMINIUM
3	jamb	6063-T5 ALUMINIUM
4	outside cover	6063-T5 ALUMINIUM
5	locking bolt block	6063-T5 ALUMINIUM
6	reinforcement jamb	6063-T5 ALUMINIUM
7	outside cover	AMERICAN OAK
8	glass stop	6063-T5 ALUMINIUM
9	stile (active panel)	AMERICAN OAK
10	glass stop	AMERICAN OAK
11	reinforcement	6063-T5 ALUMINIUM
12	reinforcement	6063-T5 ALUMINIUM
12.1	body reinforcement	6063-T5 ALUMINIUM
12.2	cover reinforcement	6063-T5 ALUMINIUM
12.3	angle 50 mm X 40.6 mm X 6.4mm	6063-T5 ALUMINIUM
12.4	top cover reinforcement	6063-T5 ALUMINIUM
13	outside cover	6063-T5 ALUMINIUM
14	interlock stile	AMERICAN OAK
15	sill base	6063-T5 ALUMINIUM
16	interlock	6063-T5 ALUMINIUM
17	water stopper 40mmX28mmX3mm	6063-T5 ALUMINIUM
18	stopper 78mmX1.5mmX25mm	6063-T5 ALUMINIUM
19	stopper 14mmX78mmX25mm	AMERICAN OAK
20	jamb	6063-T5 ALUMINIUM
21	sill base	6063-T5 ALUMINIUM
22	outside cover	6063-T5 ALUMINIUM
23	bottom rail (active panel)	AMERICAN OAK
24	rail	6063-T5 ALUMINIUM
25	sill base	6063-T5 ALUMINIUM
26	bottom rail (fixed panel)	AMERICAN OAK
27	stopper	6063-T5 ALUMINIUM
28	sill base	6063-T5 ALUMINIUM
28.1	sill base	AMERICAN OAK
28.2	sill base	AMERICAN OAK

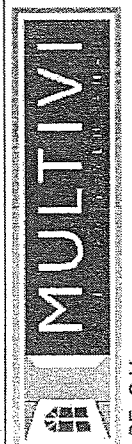
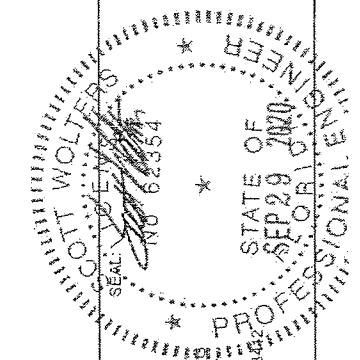
HARDWARE		
No	Description	Material
29	locking bolt	steel
30	Maco HS drive gear (BS 37.5 PC)	steel
31	Maco flush pull	aluminium
32	Maco handle (101863)	steel
33	Maco Lift and Slide Door Hardware Roller Set (103063)	steel

SEAL		
No	Description	Material
34	seal	EPDM
35	seal 0.5in X 0.375in	adhesive rubber foam
36	seal 7mm X 8mm	pile
37	Duretan Polyurethane Sealant (Productos Pennsylvania)	polyurethane
38	seal 75mm x 19mm	foam with fabric type coating
39	seal	santoprene
40	seal	PVC
41	seal	foam with fabric type coating
42	seal	rubber foam
43	seal 22mm X 3mm	EPDM
44	seal 1/4 in X 1/8 in	adhesive rubber foam
45	seal 1/2 in X 1/8 in	adhesive rubber foam tape

FASTENERS		
No	Description	Material
46	NO 10 X 2 1/2 " screw	galvanized steel
47	NO 8 X 1 1/2 screw	galvanized steel
48	NO 10 X 2 1/2 " screw	galvanized steel
49	NO 12 X 4" screw	galvanized steel
50	1 3/16 X 30mm nail	galvanized steel

GLASS		
51	Laminated Glass: 1/4" H.S. - 0.090" Sentryglas - 1/4" H.S.	Approved as complying with the Florida Building Code Date <u>2/11/21</u> NOA# <u>19-1216-03</u> Miami Dade Product Control By <u>Isang I. I. I.</u>

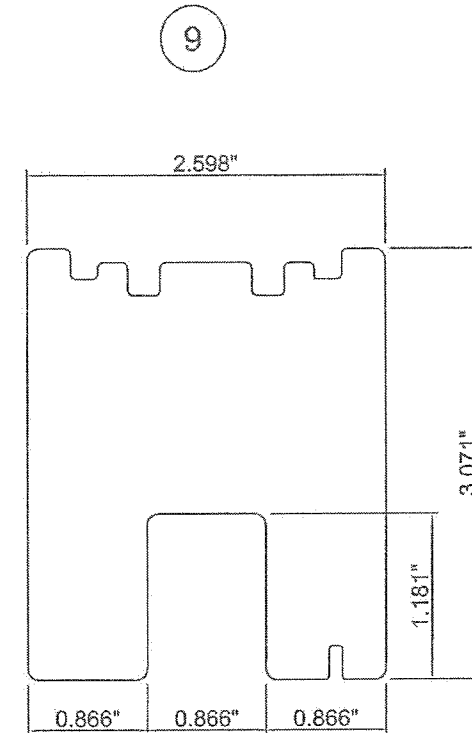
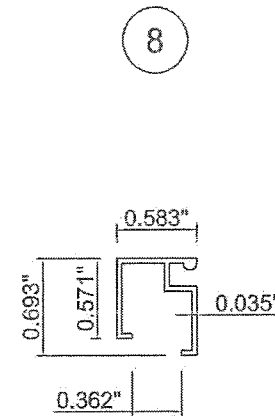
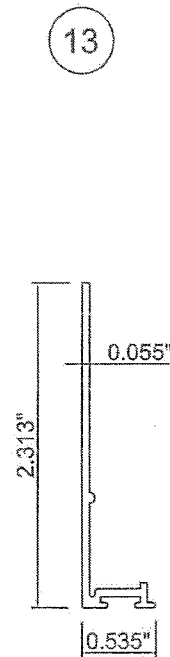
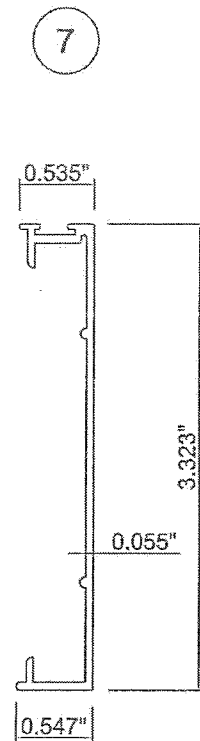
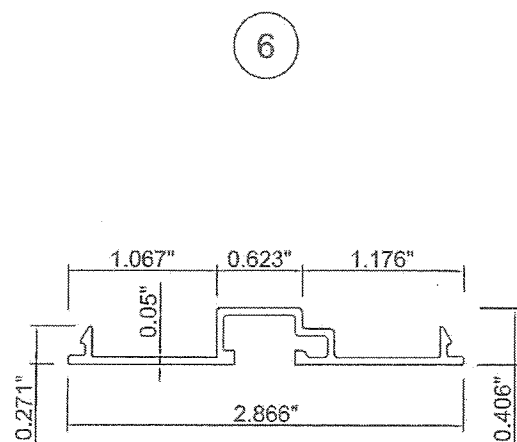
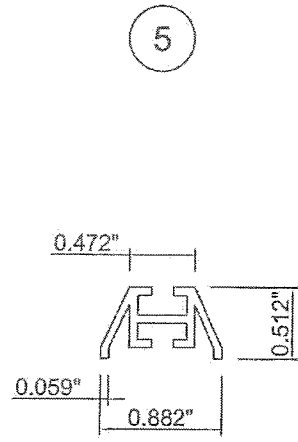
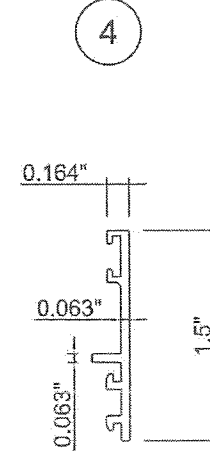
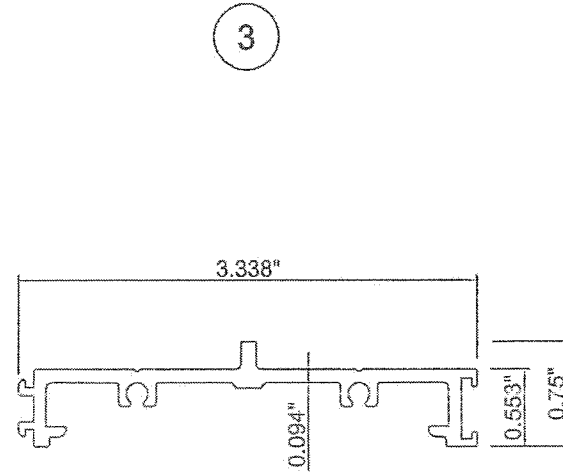
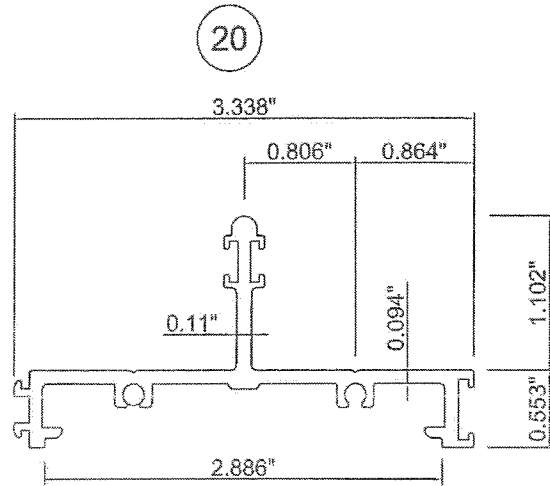
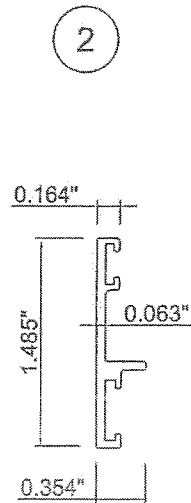
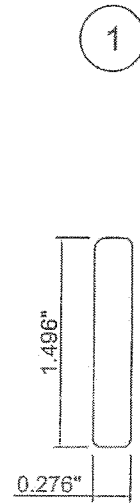
52	adhesive tape VHB 6mm X 1mm	adhesive tape
53	sill base 22mmX1/8 in	6063-T5 ALUMINIUM
54	sill base 1/4inX1/8 in	6063-T5 ALUMINIUM
55	NO 8 X 1 in screw	galvanized steel
56	NO 6 X 1 in screw	galvanized steel



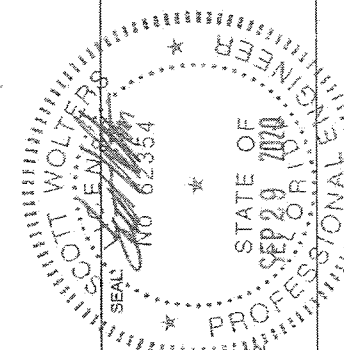
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 SHEET: **9/13**

REV.#	DATE	PRINTS ISSUED FOR
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Miami Dade Product Control
By Ismael L. Chandez



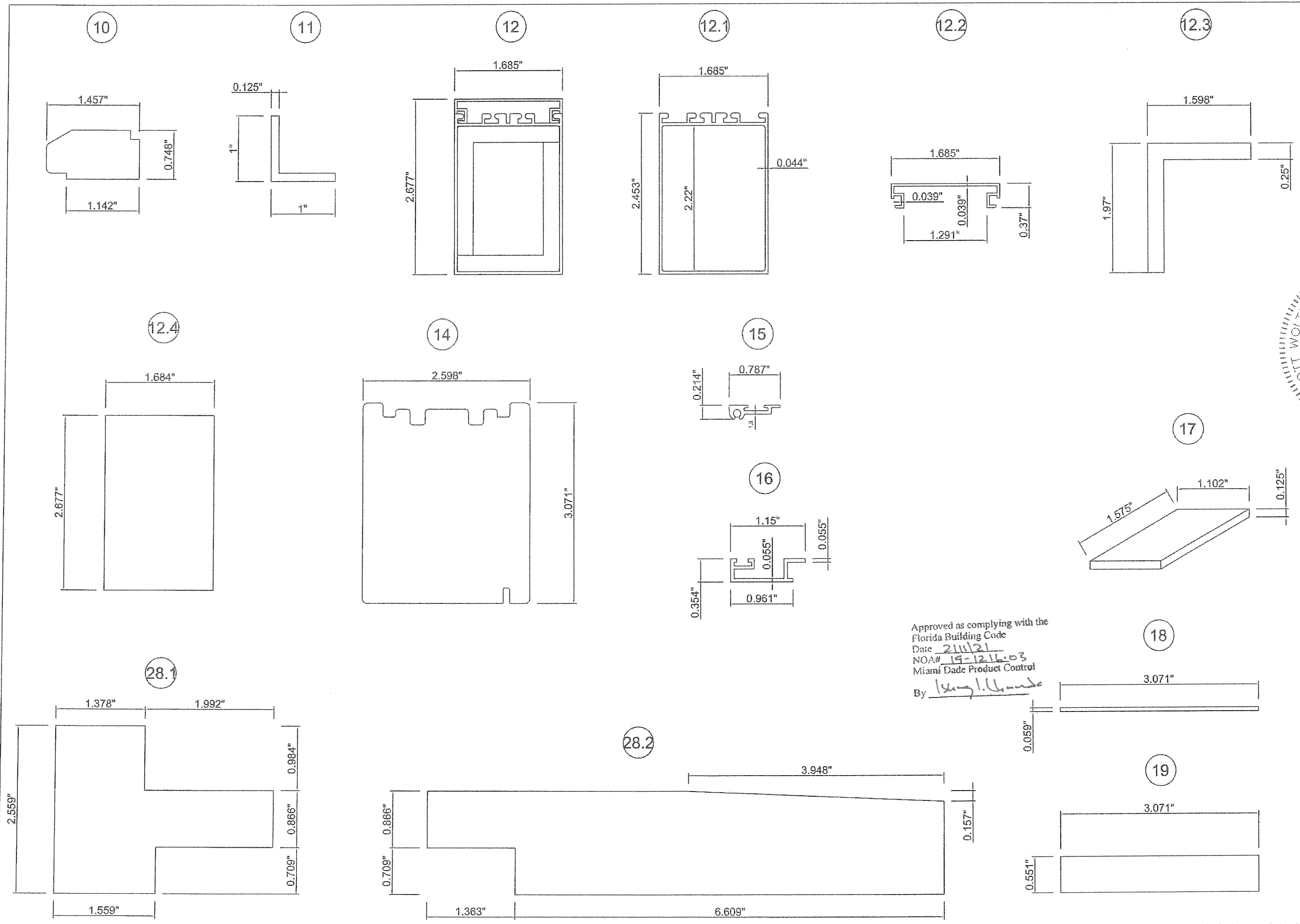
SCOTT WALTERS
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WALTERS ENGINEERING
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15211 97TH ROAD N
WEST PALM BEACH, FL 33412
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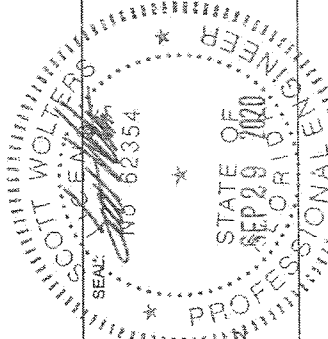
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DWG: **MLS-LMIHZ**
SHEET: **10/13**

REV.#	ISSUED FOR	DATE
1	1ST SUBMITTAL	10/15/19



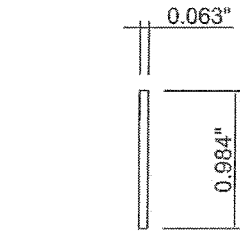
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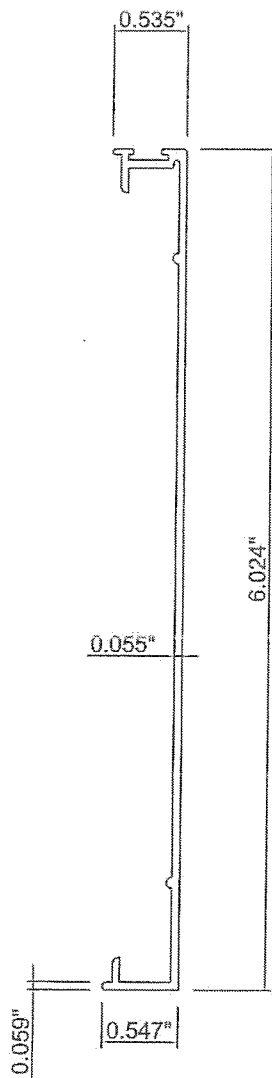
SCOTT WALTERS FL PER 62354	WALTERS ENGINEERING (COA# 27194) 15211 87TH ROAD N WEST PALM BEACH, FL 33412 (561) 225-1982	1ST SUBMITTAL	PRINTS ISSUED FOR	REV.#	DATE
					10/15/19



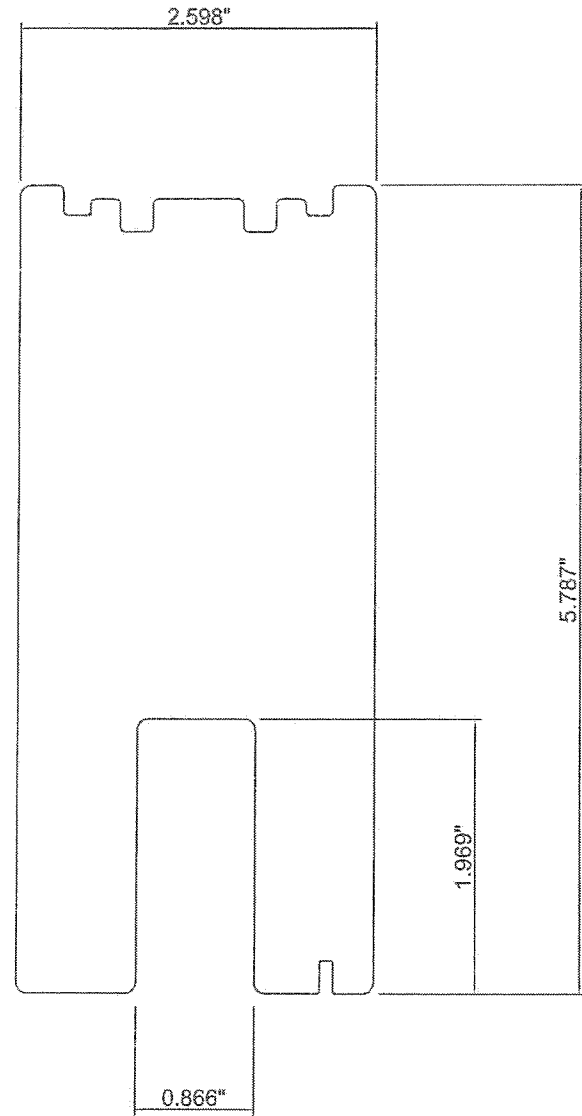
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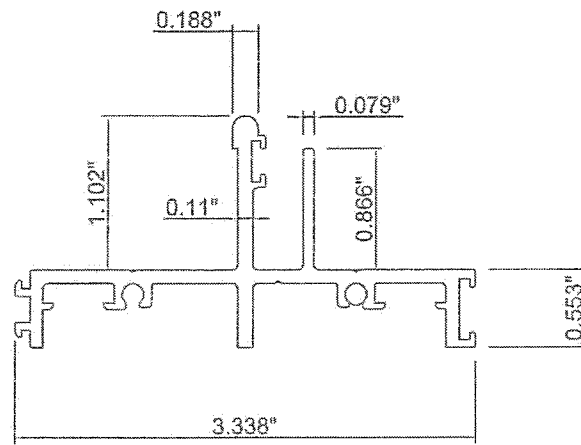
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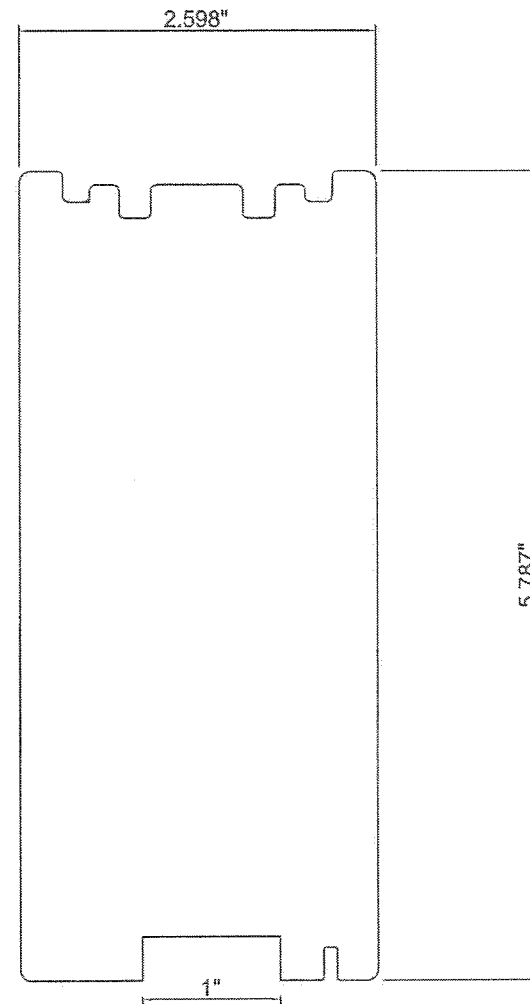
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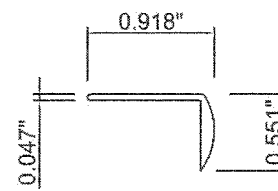
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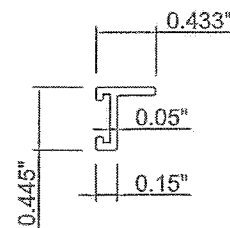
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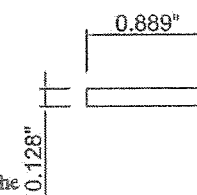
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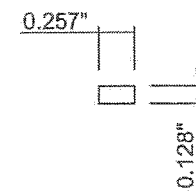
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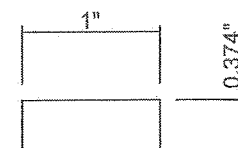
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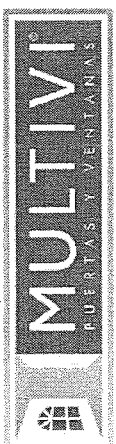
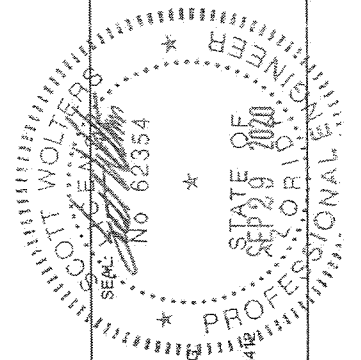
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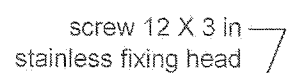
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By Isabel L. Chaves



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DWG: **MLS-LMIHZ**
SHEET: **12/13**

REV.#	ISSUED FOR	DATE
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2		
3		
4		
5		



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Miami Dade Product Control
By Ishag I. Chant

DWG: **MLS-LMIHZ**
SHEET: **13/13**

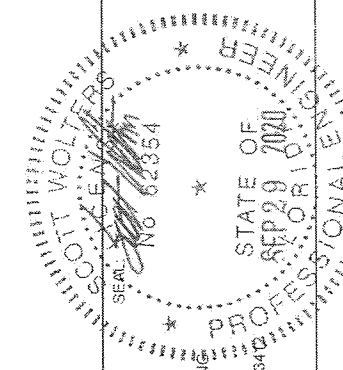


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