



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

Daybar Industries Limited
50 West Drive
Brampton, Ontario, Canada L6T 2J4

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 "LS18" Outswing Commercial (Galvanneal or Stainless) Steel Door w/ 16 GA (Galvanneal or Stainless) Steel Frame & w/wo Panic Exit Device – L.M.I.

APPROVAL DOCUMENT: Drawing No. **23-168**, titled "Double & Single Series LS18 Outswing Commercial Galvanneal or Stainless Steel Door w/ Series "AS" 16 Gage Galvanneal or Stainless Steel Frame Flush, Embossed & Glazed Assemblies - LM", sheets 1 thru 3, 3A and 4 thru 19 of 19, dated 08/09/23, with revision No. 2 dated 02/12/26, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., 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, Brampton, Ontario, series, and following statement: "Miami-Dade County Product Control Approved", noted herein.

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

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

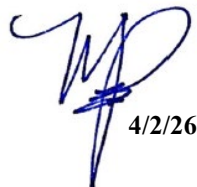
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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

This NOA **revises and renews NOA No. 23-0823.12** 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.**




4/2/26

NOA No. 26-0226.02
Expiration Date: April 07, 2031
Approval Date: April 09, 2026
Page 1

Daybar Industries Limited

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

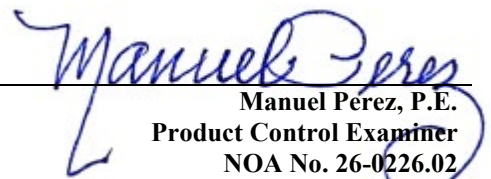
1. Manufacturer's die drawings and sections.
(Submitted under NOA's No. 09-0323.21, 10-0217.05, 12-0216.08 & 15-0427.02)
2. Drawing No **23-168**, titled "Double & Single Series LS18 Outswing Commercial Galvanneal or Stainless Steel Door w/Series "AS" 16 ga Galvanneal or Stainless Steel Frame Flush, Embossed & Glazed Assemblies - LM", sheets 1 through 3, 3A and 4 thru 19 of 19., dated 08/09/23, with revision #1 dated 08/09/23, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E.
(Submitted under NOA No. 23-0823.12)

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94 (except sp# 7 louver)
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94 (except sp# 7 louver)
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 (b) and TAS 202-94
along with marked-up drawings and installation diagram of double outswing steel door, prepared by Certified Testing Lab., Test Report No. **CTLA 3079W**, dated 02/20/16 and addendum letter dated 04/07/16, signed and sealed by Ramesh Patel, P.E.
(Submitted under NOA No. 16-0330.10)
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) Forced Entry Test, per FBC 2411.3.2.1 (b) and TAS 202-94
along with marked-up drawings and installation diagram of outswing steel door, prepared by Hurricane Testing Laboratory, LLC, Test Report No. **HTL-0279-0719-03**, dated 07/16 thru 08/18/2023 for specimens 1, 2, 3, 7 & 7EMB, revised through addendum letter dated 12/15/04 and revised marked-up drawing dated 12/15/04, all signed and sealed by Vinu J. Abraham, P.E.
(Submitted under NOA's No. 09-0323.21, 10-0217.05, 12-0216.08 & 15-0427.02)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC 5th Edition (2014), dated 12/02/15, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit, Jr., P.E.
(Submitted under NOA No. 15-0427.02)


Manuel Perez, P.E.
Product Control Examiner
NOA No. 26-0226.02
Expiration Date: April 07, 2031
Approval Date: April 09, 2026

Daybar Industries Limited

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

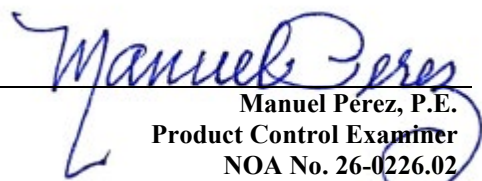
1. Notice of Acceptance No. **22-0627.04** issued to Kingspan Insulation LLC, (Former Dyplast Product, LLC) for their "E and R Board Expanded Polystyrene Rigid Foam Insulation", approved on 07/21/22 and expiring on 01/11/27.
(Submitted under NOA No. 23-0823.11)
2. Test reports on: 1) Tensile Test, per ASTM E8-03 prepared by Q C Metallurgical, Inc., Test Report No. **0279-0719-03**, dated 03/02/04, signed and sealed by Frank E Grate, P.E.
(Submitted under NOA's No. 10-0217.05)
3. Notice of Acceptance No. **15-0915.08** issued to **Sabic Innovative Plastic, US, LLC** for their "**LEXAN® Polycarbonate Sheet Products**" approved on 12/10/15 and expiring on 07/17/18.
(Submitted under NOA's No. 10-0217.05)

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 8th Edition (2023)**, dated August 09, 2023, issued by prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit, Jr, P.E.
(Submitted under NOA No. 23-0823.11)
2. Manufacturer/Distributor Agreement between Daybar Industries Limited, Canada and Daybar Southeast Manufacturing, N. Key Largo, USA, signed by Mark Dodson and David Ball, respective officials of the companies.
(Submitted under NOA No. 17-0829.08)

G. OTHERS

1. Notice of Acceptance No. **21-0203.07**, issued to Daybar Industries Limited for their Series "LS-18" Outswing Commercial Steel (Galvanneal or Stainless) Doors w/ 16 ga. Frames & w/wo Panic Exit Device – LM Impact, approved on 04/08/21 and expiring on 04/07/26.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 26-0226.02
Expiration Date: April 07, 2031
Approval Date: April 09, 2026

Daybar Industries Limited

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No **23-168**, titled “Double & Single Series LS18 Outswing Commercial Galvanneal or Stainless Steel Door w/Series “AS” 16 ga Galvanneal or Stainless Steel Frame Flush, Embossed & Glazed Assemblies - LM”, sheets 1 through 3, 3A and 4 thru 19 of 19., dated 08/09/23, with revision #2 dated 02/12/26, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., 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. **23-1220.03** issued to Kingspan Insulation LLC, for their “E and R Board Expanded Polystyrene Rigid Foam Insulations”, approved on 02/22/24 and expiring on 01/11/27.
2. Notice of Acceptance No. **24-1023.03** issued to F&S US LLC, for their LEXAN® Polycarbonate Sheet Products” approved on 11/27/24 and expiring on 04/01/26.

F. STATEMENTS

1. None.

G. OTHERS

1. Notice of Acceptance No. **23-0823.12**, issued to Daybar Industries Limited for their Series “LS-18” Outswing Commercial Steel (Galvanneal or Stainless) Doors w/ 16 ga. Frames & w/wo Panic Exit Device – LM Impact, approved on 10/05/23 and expiring on 04/07/26.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 26-0226.02
Expiration Date: April 07, 2031
Approval Date: April 09, 2026

SHEETS CONTENT:

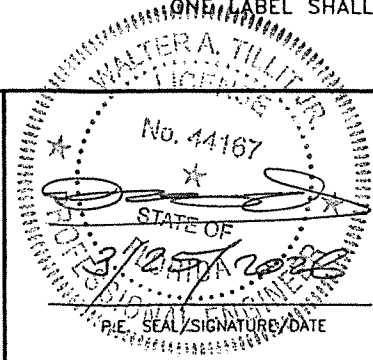
- SHEET #1 INDEX, COVER SHEET & GENERAL NOTES
SHEET #2 ASSEMBLY ELEVATIONS No 1, 2, 3.
SHEET #3 ASSEMBLY ELEVATIONS No 7, 7-EMB.
SHEET #3A MAX. DESIGN PRESSURE RATING (psf.) SCHEDULE.
SHEET #4 OPTIONAL EMBOSSED DOOR SHEET CONFIGURATIONS.
SHEET #5 HORIZONTAL SECTIONS A-A & B-B.
SHEET #6 HORIZONTAL SECTIONS C-C & C'-C'.
SHEET #7 VERTICAL SECTIONS D-D, E, F, G, H, I AND HORIZONTAL SECTION J-J
SHEET #8 DAYBAR & AIR LOUVERS VISION LITE DETAILS.
SHEET #9 FRAME SECTIONS, & REINFORCINGS DETAILS AND THRESHOLD DETAIL
SHEET #10 TYPICAL DOOR SECTION, "Z" ASTRAGAL & ASA STRIKE REINFORCING
SHEET #11 MULLION INSTALLATION DETAILS.
SHEET #12 SURFACE BOLT INSTALLATION AND DETAILS.
SHEET #13 DOOR TOP AND BOTTOM TYPICAL END CHANNEL DETAIL.
DOOR SURFACE CLOSER REINFORCEMENT DETAIL.
DOOR SURFACE CLOSER AND END CHANNEL ASSEMBLY.
SHEET #14 DOOR SNAP IN TOP CAP DETAILS.
SHEET #15 HINGE BAR REINFORCING FOR DOOR.
ANSI #A115.1 #86 MORTISE LOCK/RIM PANIC REINFORCING
DOOR SURFACE BOLT REINFORCING DETAIL.
SHEET #16 #161 CYLINDRICAL LOCK AND DEAD BOLT REINFORCEMENT DETAIL.
SHEET #17 ANCHOR DETAILS.
SHEET #18 ANCHOR SCHEDULE.
WIRE ANCHOR DETAIL.
2 PIECE COMBINATION STUD ANCHOR DETAIL.
EMA BUTTERFLY ANCHOR DETAIL.
SHEET #19 BILL OF MATERIALS.

GENERAL NOTES AND SPECIFICATIONS:

1. DOUBLE & SINGLE SERIES LS18 FLUSH/EMBOSSSED OUTSWING COMMERCIAL STEEL DOOR W/SERIES "AS" FRAME, SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) HAS BEEN VERIFIED FOR CODE COMPLIANCE IN ACCORDANCE WITH THE 2020 (7th EDITION) AND 2023 (8th EDITION) OF THE FLORIDA BUILDING CODE. DOOR MAY BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES.
- DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTIONS 1620 OF THE ABOVE MENTIONED CODE, USING ASCE 7-16 (FBC 2020) AND ASCE 7-22 (FBC 2023) SHALL NOT EXCEED THE MAXIMUM (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON SHEETS 2, 3 & 3A.
- IN ORDER TO VERIFY THE ABOVE CONDITION, ULTIMATE DESIGN WIND LOADS DETERMINED PER ASCE 7-16 & ASCE 7-22 SHALL BE FIRST REDUCED TO A.S.D. DESIGN WIND LOADS BY MULTIPLYING THEM BY 0.6 IN ORDER TO COMPARE THESE W/ MAX. (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON SHEETS 2, 3 & 3A.
- THIS DOOR'S ADEQUACY FOR WIND AND IMPACT LOAD HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1626 OF THE ABOVE MENTIONED CODE AS PER PROTOCOLS TAS-201, TAS-202, TAS-203 AS PER HTL LAB REPORT #0279-0719-03 AND AS PER SUBMITTED STRUCTURAL CALCULATIONS, PERFORMED AS PER SECTION 1616 OF THE FLORIDA BUILDING CODE.
2. ALL COMPONENTS SHALL BE AS SPECIFIED ON APPLICABLE DETAIL SHEETS AND AT BILL OF MATERIALS (SHEET 19) OF THIS DRAWING.
3. COMPLIANCE OF EGRESS / ESCAPE REQUIREMENTS OF THESE DOORS PER FBC TO BE DETERMINED BY BUILDING OFFICIALS ON A CASE-BY-CASE BASIS.
4. ALL SCREWS USED FOR ASSEMBLY CONNECTIONS (METAL TO METAL) TO BE STAINLESS STEEL 304 OR 316 AISI SERIES OR CORROSION RESISTANT COATED CARBON STEEL AS PER DIN 50018 WITH 50 ksi YIELD POINT AND 90 ksi TENSILE STRENGTH & SHALL COMPLY W/ FLORIDA BUILDING CODE SECTION 2411.3.3.4.
5. ALL WELDING TO CONFORM W/AMERICAN WELDING SOCIETY A.W.S. D.1.3 AND D-19.0 REGULATIONS WITH E60XX ELECTRODES, FOR GALVANNEAL MATERIAL, AND W/AMERICAN WELDING SOCIETY A.W.S. D.1.6 REGULATIONS W/ E-308 ELECTRODES (FU=80k.s.i.) FOR STAINLESS STEEL MATERIAL
6. ALL ANCHORS FOR DOOR FRAME CONNECTIONS TO EXISTING STRUCTURE SHALL BE AS SPECIFIED ON SHEET 17 OF THIS DRAWING. MAXIMUM ANCHORS SPACINGS SHALL BE AS PER SCHEDULE ON SHEET 18 AND ELEVATIONS ON SHEETS 2 & 3 OF THIS DRAWING. SEE SHEET 2, 3 & 7 FOR THRESHOLD ANCHORS, AND SHEET 11 FOR MULLION ANCHORS.
7. PROVIDE MAX. LOAD BEARING SHIM SPACE AS INDICATED ON SHEETS 5, 6, 7 & 17 OF 19.
8. THIS DOOR WILL NOT REQUIRE A HURRICANE PROTECTION DEVICE.
9. THESE DOOR ASSEMBLIES ARE APPROVED FOR WATER AND AIR INFILTRATION AS PER TESTING INDICATED ON NOTE 1, AND SHALL BE LIMITED TO DESIGN PRESSURE RATINGS INDICATED ON SHEETS 2, 3 & 3A.
10. PROVIDE SPECIFIED SEALANT AT ALL DOOR FRAME, THRESHOLD AND VISION LITE COMPONENTS INDICATED ON THIS DRAWING.
11. (a) THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.A.D.
- (b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT, BASED ON THIS P.A.D., PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.
- (c) THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
- (d) ORIGINAL P.A.D SHALL BEAR THE DATE, SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.
12. PRODUCT MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION AT PRODUCT IN ACCORDANCE WITH SECTION 1709.5 OF THE FLORIDA BUILDING CODE. ONE LABEL SHALL BE PLACED FOR EVERY OPENING.

THIS DRAWING SHALL ONLY BE USED TO
OBTAIN PERMITS IN THE STATE OF FLORIDA

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. 26-0226.02
Expiration Date: 04/07/2031
By: Manuel Perez
Miami-Dade Product Control
MIAMI-DADE COUNTY



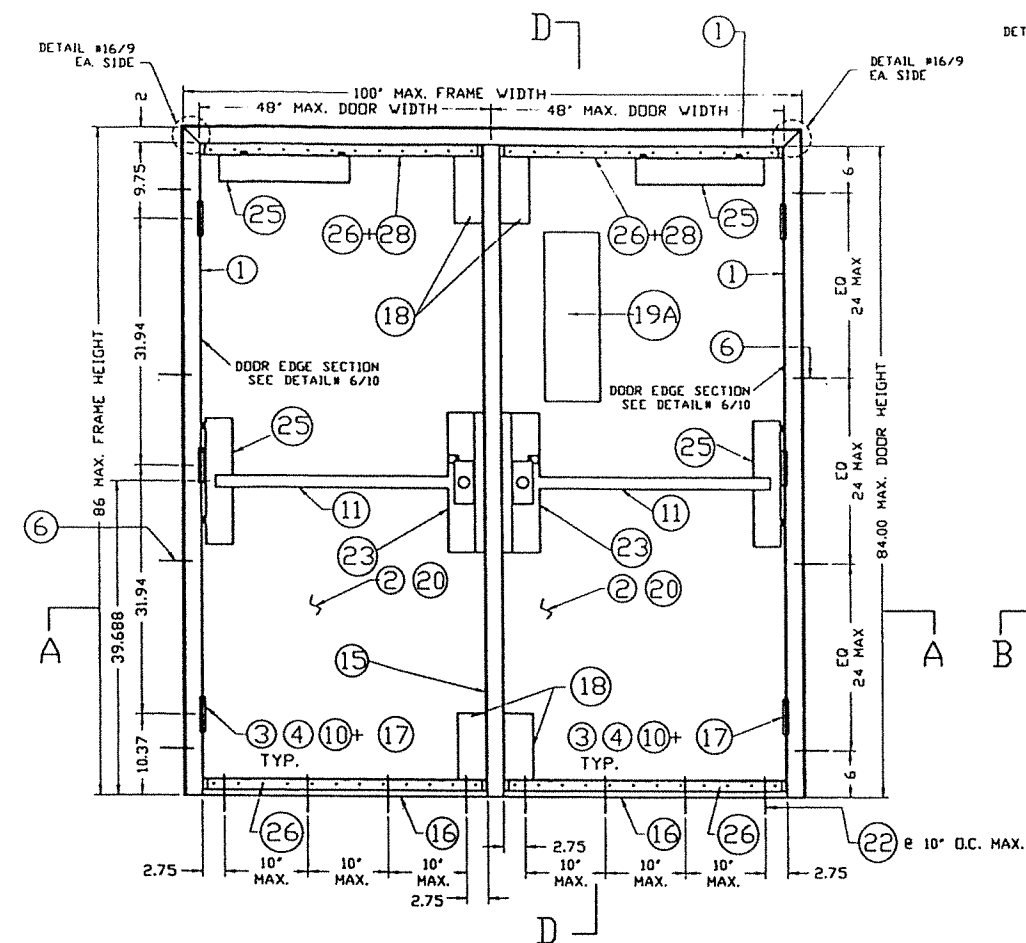
©2023 TILTECO, INC.
TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilliteco@aol.com
CA-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

DOUBLE & SINGLE SERIES LS18 OUTSWING COMMERCIAL
GALVANNEAL OR STAINLESS STEEL DOOR W/ SERIES "AS"
16 GAGE GALVANNEAL OR STAINLESS STEEL FRAME
FLUSH, EMBOSSED & GLAZED ASSEMBLIES - L.M.
DAYBAR INDUSTRIES LTD
50 WEST DRIVE, BRAMPTON,
ON CANADA, L6T 2J4
TEL: 905 625-8000
FAX: 905 625-4204

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-143	8/9/2023	3		
2	COMP #20	2/12/2026	4		

DRAWN BY:
W.H.
8/9/2023
DATE
23-168
DRAWING No
SHEET 1 OF 19



ASSEMBLY #1, * INTERIOR ELEVATION

PAIR OF OUTSWING DOORS

WALL CONDITION: MASONRY

ANCHORS: WIRE (6) DETAIL #21

VON DUPRIN 98/99L TRIM SERIES RIM EXIT (1) AT BOTH DOORS

4 1/2" HAGER MODEL #BB1168 STEEL BUTT HINGE AND 4 1/2" STANLEY MODEL #FBB168 STEEL BUTT HINGE (10)

VON DUPRIN 9954 REMOVABLE MULLION (15)

(FOR DOUBLE DOOR ONLY)

DOOR CORE ITEM (20): EXPANDED POLYSTYRENE OR HONEYCOMB PAPER FULL FLUSH

VISION LITE MODEL VLF-EZ-IG (19A) BY AIR LOUVERS, INC.,

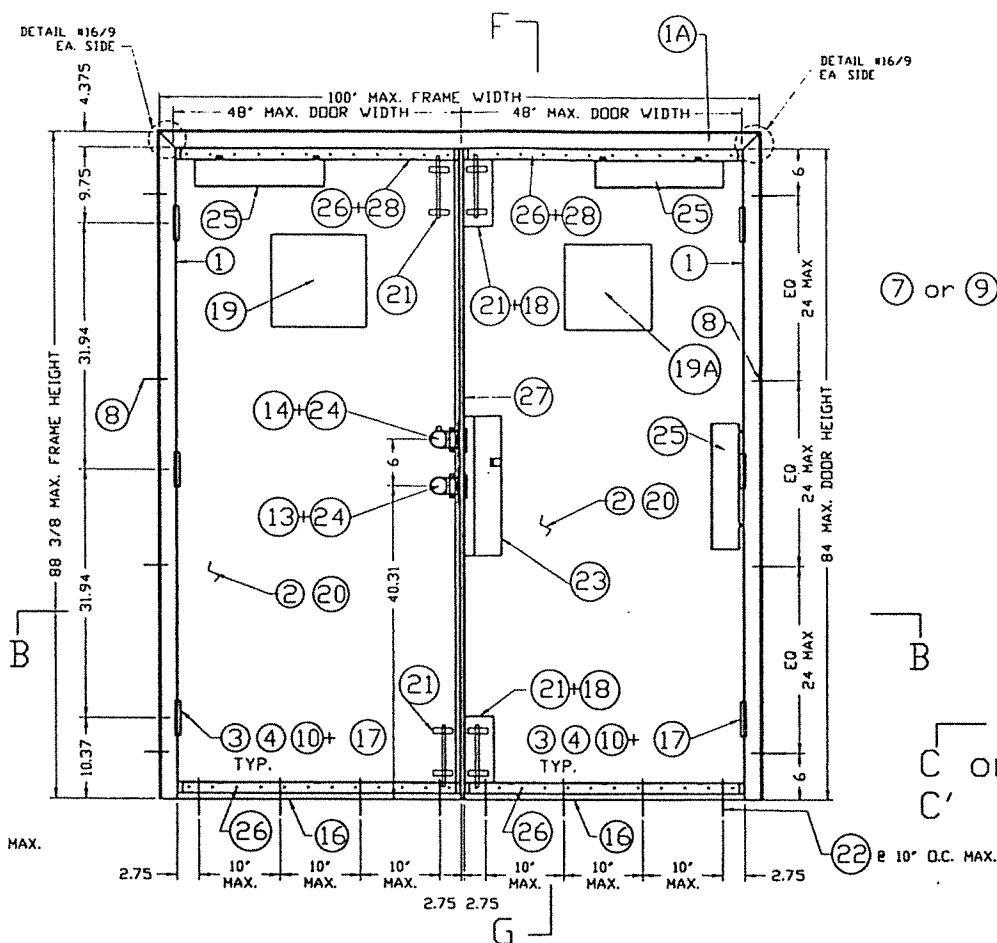
W/ 1/2" LEXAN GLAZING SET IN DDW CORNING #995

STRUCTURAL SILICONE W/ 7" x 22" DOOR CUT-OUT

NARROWLITE (5'x20" D.L.O.)

MAX. A.S.D. DESIGN PRESSURE RATINGS
(OUTSWING SINGLE & DOUBLE DOORS W/
VON DUPRIN RIM PANIC DEVICES)

POSITIVE	+70 PSF
NEGATIVE	-65 PSF



ASSEMBLY #2, * INTERIOR ELEVATION

PAIR OF OUTSWING DOORS

WALL CONDITION: MASONRY

ANCHORS: EMA EXISTING MASONRY ANCHOR DET. #22

SCH-D SERIES CYLINDRICAL LOCK (13) + SCH-B SERIES DEAD BOLT (14) HAGER #275D SURFACE BOLTS (2) (TOP & BOTTOM) AT TWO DOORS

4 1/2" HAGER MODEL #BB1279 STEEL BUTT HINGE AND 4 1/2" STANLEY MODEL #FB179 STEEL BUTT HINGE (10)

"Z" ASTRAGAL (2) W/ ASA STRIKE

FOR CYLINDRICAL LOCK AND DEAD BOLT STRIKE

DOOR CORE (20): EXPANDED POLYSTYRENE OR HONEYCOMB PAPER FULL FLUSH

VISION LITE MODEL VLF-EZ-IG (19A) BY AIR LOUVERS, INC.

W/ 1/2" LEXAN GLAZING SET IN DDW CORNING #995

STRUCTURAL SILICONE W/ 12" x 12" DOOR CUT-OUT

NARROWLITE (10'x10" D.L.O.), AND DAYBAR VISION LITE (19)

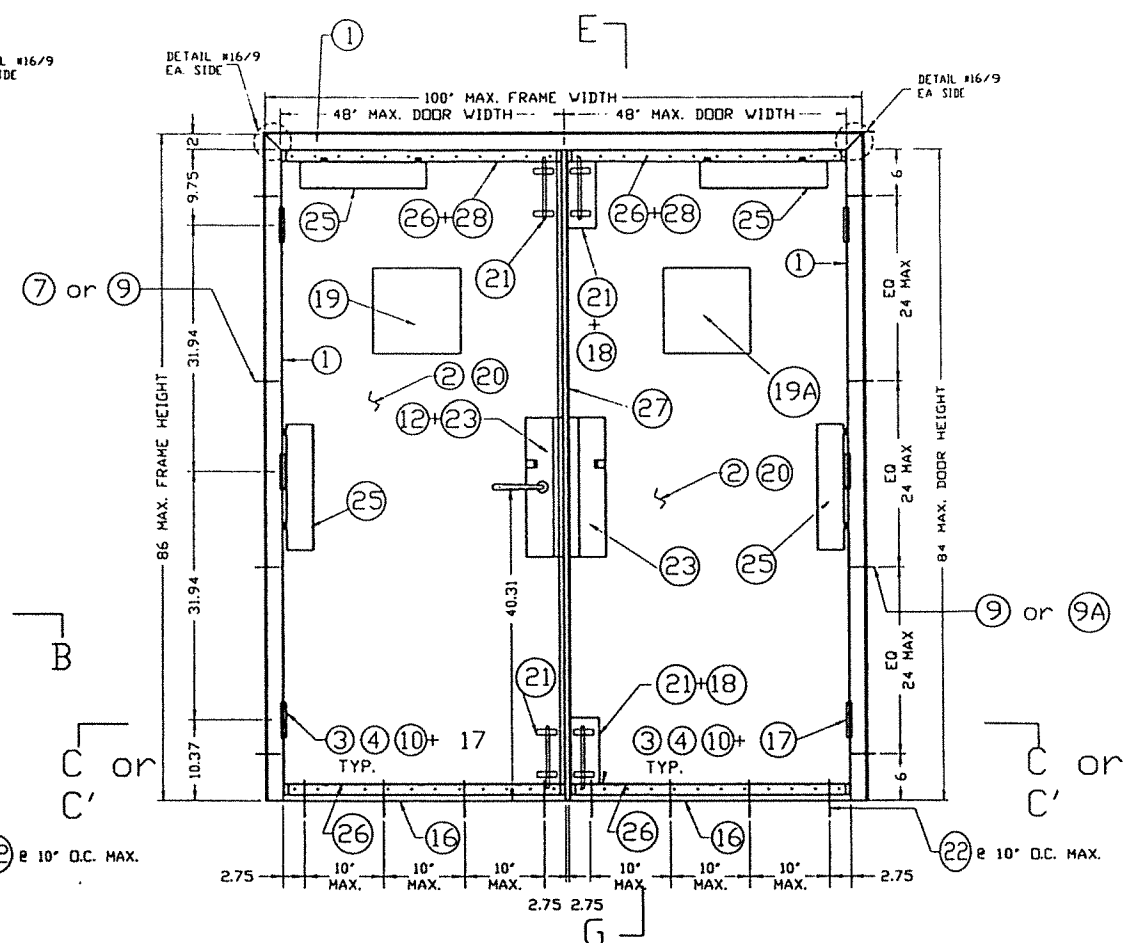
WITH 3/8" LEXAN GLAZING SET IN DDW CORNING #995

STRUCTURAL SILICONE W/ 11 1/8" x 11 1/8" DOOR

CUT-OUT NARROWLITE (9 3/4"x9 3/4" D.L.O.)

MAX. A.S.D. DESIGN PRESSURE RATINGS
(OUTSWING SINGLE DOOR W/ TWO SURFACE BOLTS
& DOUBLE DOORS W/ FOUR SURFACE BOLTS)

POSITIVE	+65 PSF
NEGATIVE	-65 PSF



ASSEMBLY #3, * INTERIOR ELEVATION

PAIR OF OUTSWING DOORS

WALL CONDITION: WOOD STUDS

ANCHORS: 2 PIECE COMBINATION STUD ANCHOR (7) DETAIL #20

OR CARRIAGE BOLT (9A) W/ EMA (DET. #22A) OR WOOD SCREW

LAG BOLT (9) W/ EMA (DETAIL #22B)

SCH-L 9000 SERIES MORTISE LOCK (13) (W/ DEAD BOLT INCLUDED)

HAGER #275D SURFACE BOLTS (2) (TOP & BOTTOM) AT TWO DOORS

4 1/2" HAGER MODEL #BB1279 STEEL BUTT HINGE AND

4 1/2" STANLEY MODEL #FB179 STEEL BUTT HINGE (10)

"Z" ASTRAGAL (2) W/ ASA STRIKE FOR MORTISE LOCK

DOOR CORE (20): EXPANDED POLYSTYRENE OR HONEYCOMB PAPER

FULL FLUSH

VISION LITE MODEL VLF-EZ-IG (19A) BY AIR LOUVERS, INC.

W/ 1/2" LEXAN GLAZING SET IN DDW CORNING #995

STRUCTURAL SILICONE W/ 12" x 12" DOOR CUT-OUT

NARROWLITE (10'x10" D.L.O.), AND DAYBAR VISION LITE (19)

WITH 3/8" LEXAN GLAZING SET IN DDW CORNING #995

STRUCTURAL SILICONE W/ 11 1/8" x 11 1/8" DOOR

CUT-OUT NARROWLITE (9 3/4"x9 3/4" D.L.O.)

MAX. A.S.D. DESIGN PRESSURE RATINGS
(OUTSWING SINGLE DOOR W/ TWO SURFACE BOLTS
& DOUBLE DOORS W/ FOUR SURFACE BOLTS)

POSITIVE	+65 PSF
NEGATIVE	-65 PSF

ASSEMBLY ELEVATIONS # 1, 2 & 3

SEE SECTIONS ON SHEETS 5, 6 & 7

- SEE SHEET 3A FOR MAXIMUM A.S.D.
DESIGN PRESSURE RATING
SCHEDULE FOR ASSEMBLY COMBINATIONS.

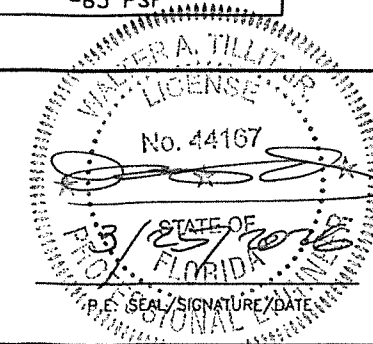
PRODUCT REVISED
As complying with the Florida
Building Code

NOA-No. **26-0226.02**

Expiration Date: **04/07/2031**

By: *Manuel Perez*

Miami-Dade Product Control
MIAMI-DADE COUNTY



©2023 TILTECO, INC.

TILTECO Inc.

TILLIT TESTING & ENGINEERING COMPANY

6355N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166

Phone: (305)871-1530 Fax: (305)871-1531

e-mail: tilteco@aol.com

CA-0006719

WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. # 44167

DOUBLE & SINGLE SERIES LS18 OUTSWING COMMERCIAL
GALVANNEAL OR STAINLESS STEEL DOOR W/ SERIES "AS"
16 GAGE GALVANNEAL OR STAINLESS STEEL FRAME
FLUSH, EMBOSSED & GLAZED ASSEMBLIES - L.M.

DRAWN BY:
W.H.

8/9/2023
DATE

23-168
DRAWING No

DAYBAR INDUSTRIES LTD

50 WEST DRIVE, BRAMPTON,

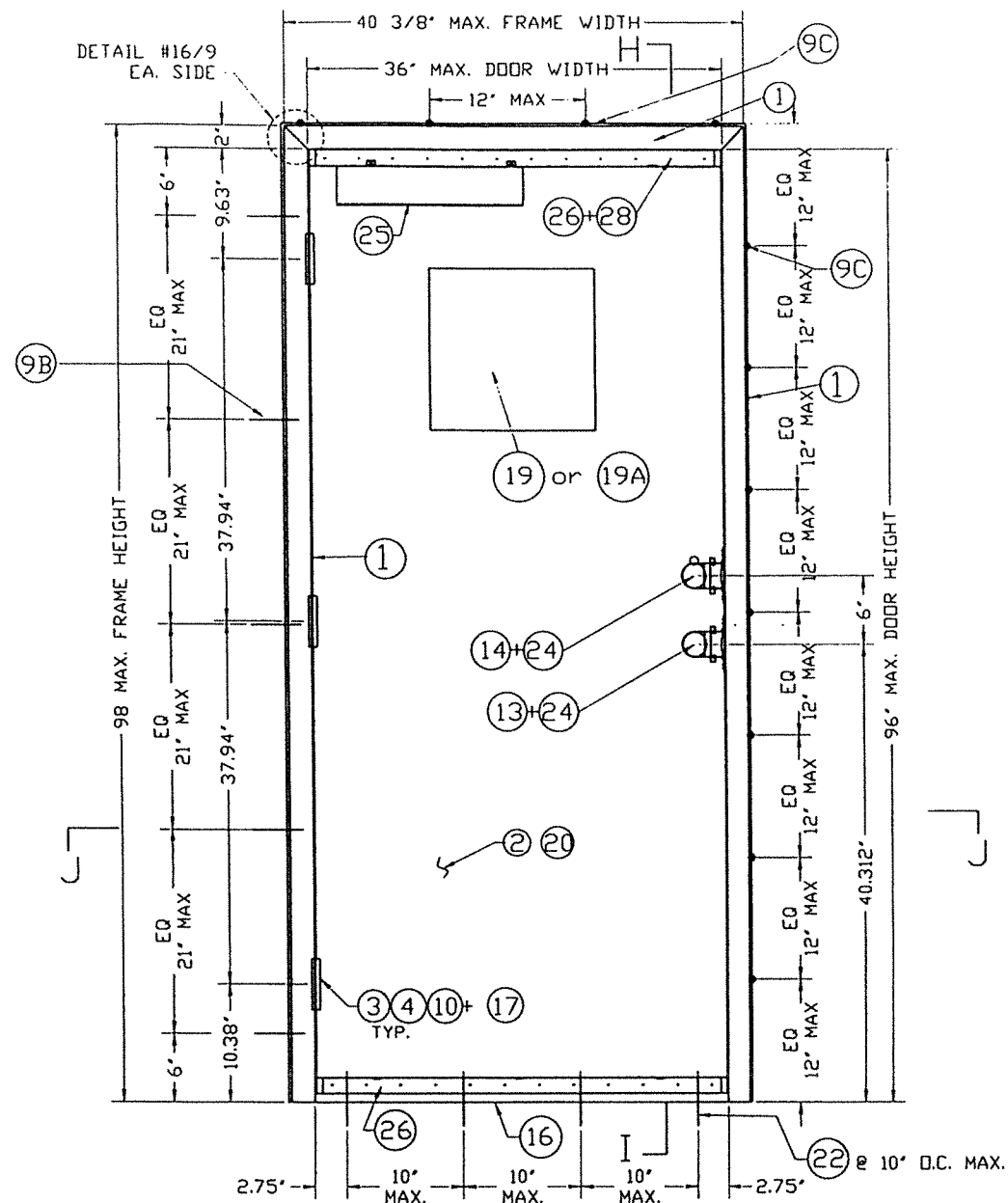
ON CANADA, L6T 2J4

TEL: 905 625-8000

FAX: 905 625-4204

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-143	8/9/2023	3		
2	COMP #20	2/12/2026	4		

SHEET 2 OF 19



ASSEMBLY #7 * EXTERIOR ELEVATION SINGLE DOOR OUTSWING WALL CONDITION - WELDED HOT ROLLED 3/8" MIN. THICK STRUCTURAL STEEL CHANNEL FRAME JAMB AND HEAD. ANCHORS: 3/8"x3 1/2" FLAT HEAD MACHINE SCREW, LOCK WASHER & NUT W/ EMA (DET #23A), OR FRAME (1) WELDED @ 12" O.C. AT JAMB AND HEAD INCLUDING TOP & BOTTOM OF JAMB (DET #23B). SCH-D SERIES CYLINDRICAL LOCK (3) + SCH-B SERIES DEAD BOLT (4) 4 1/2" HAGER MODEL # BB1279 STEEL BUTT HINGE (10) DOOR CORE (20) EXPANDED POLYSTYRENE OR HONEYCOMB PAPER. FULL FLUSH VISION LITE MODEL VLF-EZ-1G (19A) BY AIR LOUVERS, INC. W/ 1/2" LEXAN GLAZING SET IN DOW CORNING #995 STRUCTURAL SILICONE W/ 12" x 12" DOOR CUT-OUT NARROWLITE (10"x10" D.L.O.), AND DAYBAR VISION LITE (19) WITH 3/8" LEXAN GLAZING SET IN DOW CORNING #995 STRUCTURAL SILICONE, W/ 11 1/8" x 11 1/8" DOOR CUT-OUT NARROWLITE (9 3/4"x9 3/4" D.L.O.).

MAX. A.S.D. DESIGN PRESSURE RATINGS (OUTSWING SINGLE DOORS WITHOUT SURFACE BOLTS)	
POSITIVE	+65 PSF
NEGATIVE	-53.3 PSF

ASSEMBLY ELEVATIONS #7, 7-EMB
SEE SECTIONS ON SHEET 7
- SEE SHEET 3A FOR MAXIMUM A.S.D.
DESIGN PRESSURE RATING
SCHEDULE FOR ASSEMBLY COMBINATIONS.

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **26-0226.02**
Expiration Date: **04/07/2031**
By: *Manuel Perez*
Miami-Dade Product Control
MIAMI-DADE COUNTY

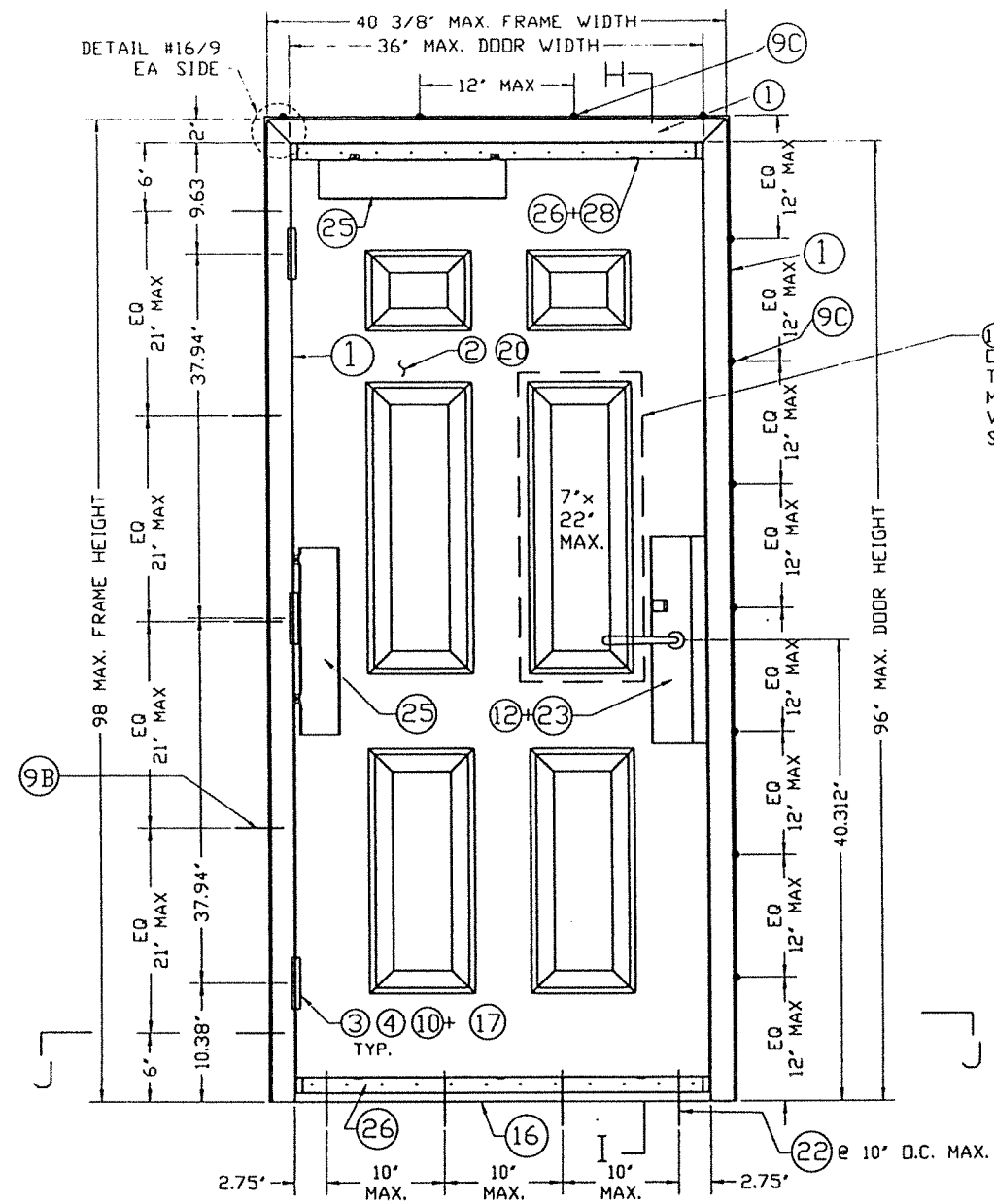
WATER A. TILTECO
LICENSE
No. 44167
STATE OF
FLORIDA
3/25/2026
P.E. SEAL/SIGNATURE/DATE

©2023 TILTECO, INC.
TILTECO Inc.
TILLIT TESTING & ENGINEERING COMPANY
6355N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone: (305)871-1530 Fax: (305)871-1531
e-mail: tilteco@aol.com
CA-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. # 44167

DOUBLE & SINGLE SERIES LS18 OUTSWING COMMERCIAL GALVANNEAL OR STAINLESS STEEL DOOR W/ SERIES "AS" 16 GAGE GALVANNEAL OR STAINLESS STEEL FRAME FLUSH, EMBOSSED & GLAZED ASSEMBLIES - L.M.
DAYBAR INDUSTRIES LTD
50 WEST DRIVE, BRAMPTON,
ON CANADA, L6T 2J4
TEL: 905 625-8000
FAX: 905 625-4204

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-143	8/9/2023	3		
2	COMP #20	2/12/2026	4		

DRAWN BY:
W.H.
8/9/2023
DATE
23-168
DRAWING No
SHEET 3 OF 19



ASSEMBLY #7-EMB EXTERIOR ELEVATION SINGLE DOOR OUTSWING WALL CONDITION - WELDED HOT ROLLED STRUCTURAL STEEL CHANNEL FRAME JAMB AND HEAD. ANCHORS: 3/8"x3 1/2" FLAT HEAD MACHINE SCREW, LOCK WASHER & NUT W/ EMA (DET #23A), OR FRAME (1) WELDED @ 12" O.C. AT JAMB AND HEAD INCLUDING TOP & BOTTOM OF JAMB (DET #23B). SCH-L SERIES #86 MORTISE LOCK (12) W/ DEAD BOLT INCLUDED. 4 1/2" HAGER MODEL # BB1279 STEEL BUTT HINGE (10) DOOR CORE (20) EXPANDED POLYSTYRENE OR HONEYCOMB PAPER. FULL EMBOSSED

MAX. A.S.D. DESIGN PRESSURE RATINGS (OUTSWING SINGLE DOORS WITHOUT SURFACE BOLTS)	
POSITIVE	+65 PSF
NEGATIVE	-53.3 PSF

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

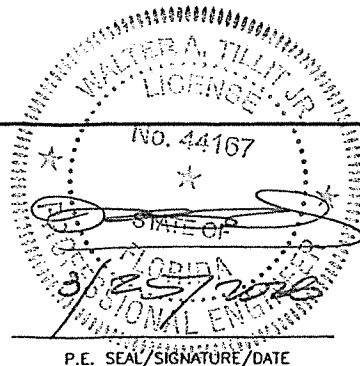
MAX. A.S.D. DESIGN PRESSURE RATING (psf.) SCHEDULE FOR INSTALLATIONS COMBINING ASSEMBLIES #1 THRU #7-EMB BETWEEN EACH OTHER FOR A GIVEN ANCHOR JAMB TYPE *

ITEM (SEE SHEET 19)	ANCHOR SPECIFICATIONS AT JAMBS *	ASSEMBLY #1 (SEE SHEET 2)	ASSEMBLY #2 (SEE SHEET 2)	ASSEMBLY #3 (SEE SHEET 2)	ASSEMBLY #7 (SEE SHEET 3)	ASSEMBLY #7-EMB (SEE SHEET 3)
6	0.157" DIA.x9 1/2" LONG WIRE ANCHOR (SEE DETAIL 21/17)	+70, -65	+65, -65	+65, -65	+65, -53.3	+65, -53.3
7	2 PIECE COMBINATION STUD ANCHOR (SEE DETAIL 20/17)	+65, -65	+65, -65	+65, -65	+65, -53.3	+65, -53.3
8	EXISTING MASONRY ANCHOR & E.M.A. (SEE DETAIL 22/17)	+65, -65	+65, -65	+65, -65	+65, -53.3	+65, -53.3
9	EXISTING WOOD BUCK ANCHOR W/WOOD SCREW LAG BOLT & E.M.A. (SEE DETAIL 22A/17)	+65, -65	+65, -65	+65, -65	+65, -53.3	+65, -53.3
9A	EXISTING WOOD BUCK ANCHOR W/ STEEL CARRIAGE BOLT & E.M.A. (SEE DETAIL 22B/17)	+65, -65	+65, -65	+65, -65	+65, -53.3	+65, -53.3
9B	CHANNEL IRON THROUGH BOLTING W/3/8" x 3 1/2" STEEL FLAT HEAD MACHINE SCREW & E.M.A. (SEE DETAIL 23A/17)	+65, -53.3	+65, -53.3	+65, -53.3	+65, -53.3	+65, -53.3
9C	CHANNEL IRON W/3/8" STITCH WELD (SEE DETAIL 23B/17)	+65, -53.3	+65, -53.3	+65, -53.3	+65, -53.3	+65, -53.3

* NOTES ON FRAME HEAD REQUIREMENTS

1. FOR SINGLE & DOUBLE DOORS INSTALLED AT WOOD FRAME BUILDINGS, DOOR HEADS SHALL BE CONTINUOUSLY RETAINED BY EXISTING BUILDINGS WOOD HEADER FOLLOWING DETAILS AS PER SECTION E, SHEET 7.
2. FOR SINGLE & DOUBLE DOORS INSTALLED AT STEEL FRAME BUILDINGS, DOOR HEADS SHALL BE CONTINUOUSLY WELDED TO EXISTING BUILDINGS STEEL FRAME HEADER FOLLOWING DETAILS AS PER SECTION H, SHEET 7 & DETAIL 23B ON SHEET 17.
3. FOR SINGLE & DOUBLE DOORS INSTALLED AT CONCRETE /MASONRY BUILDINGS, DOOR HEADS NEED NOT BE ATTACHED TO EXISTING BUILDINGS HEADER. APPLICABLE TO SECTIONS D & F, SHEET 7.

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **26-0226.02**
Expiration Date: **04/07/2031**
By: *Manuel Perez*
Miami-Dade Product Control
MIAMI-DADE COUNTY



©2023 TILTECO, INC.
TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 , Fax : (305)871-1531
e-mail: tilteco@aol.com
CA-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

DOUBLE & SINGLE SERIES LS18 OUTSWING COMMERCIAL GALVANNEAL OR STAINLESS STEEL DOOR W/ SERIES "AS" 16 GAGE GALVANNEAL OR STAINLESS STEEL FRAME FLUSH, EMBOSSED & GLAZED ASSEMBLIES - L.M.
DAYBAR INDUSTRIES LTD
50 WEST DRIVE, BRAMPTON, ON CANADA, L6T 2J4
TEL: 905 625-8000
FAX: 905 625-4204

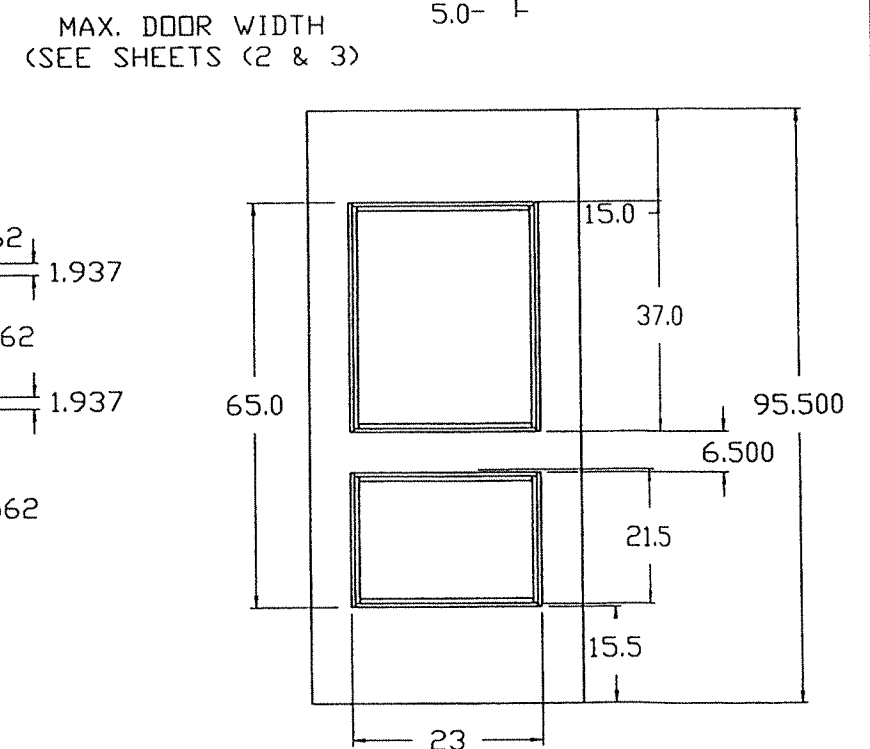
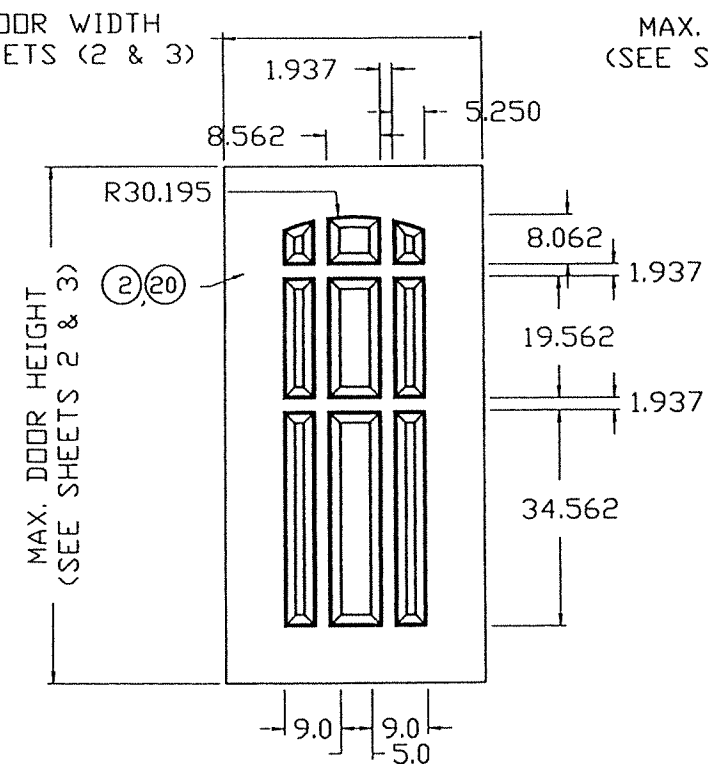
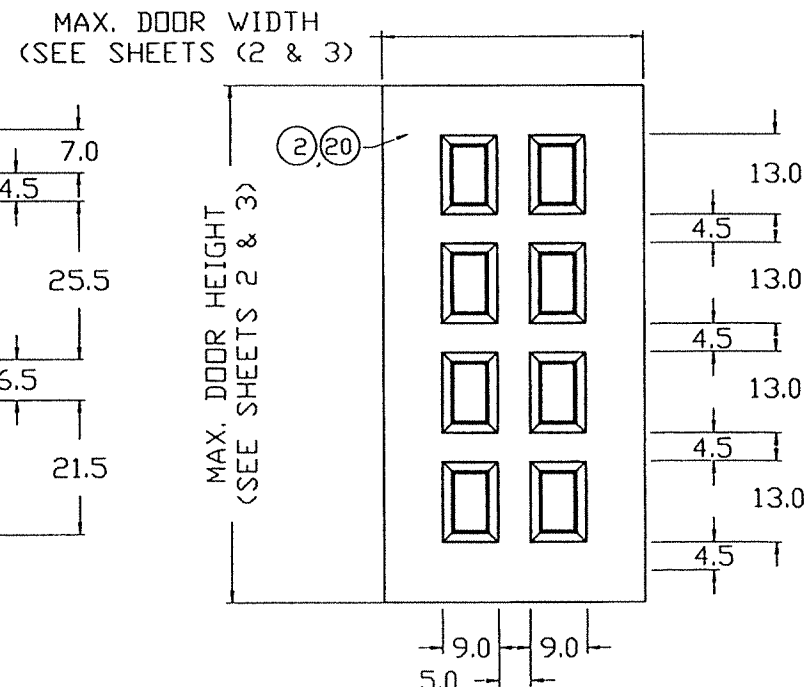
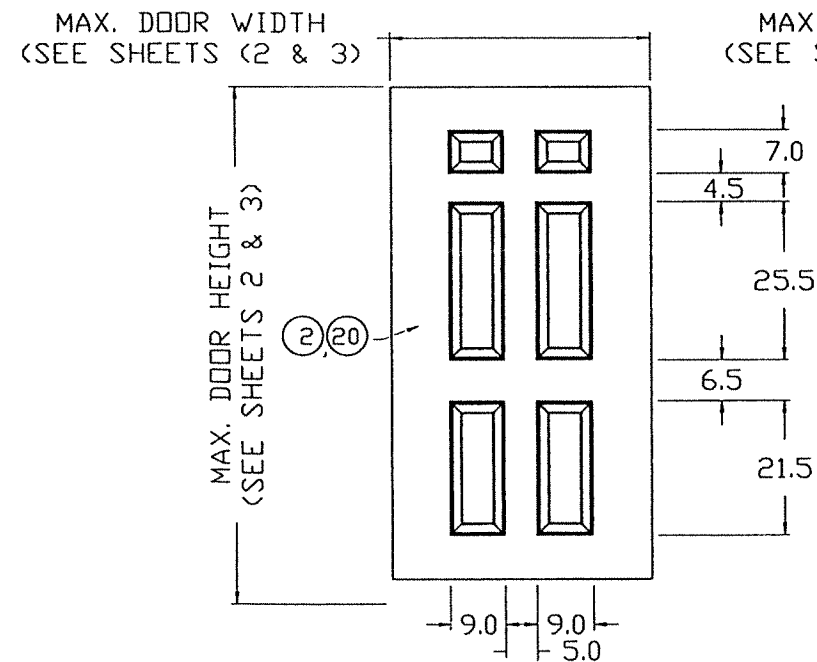
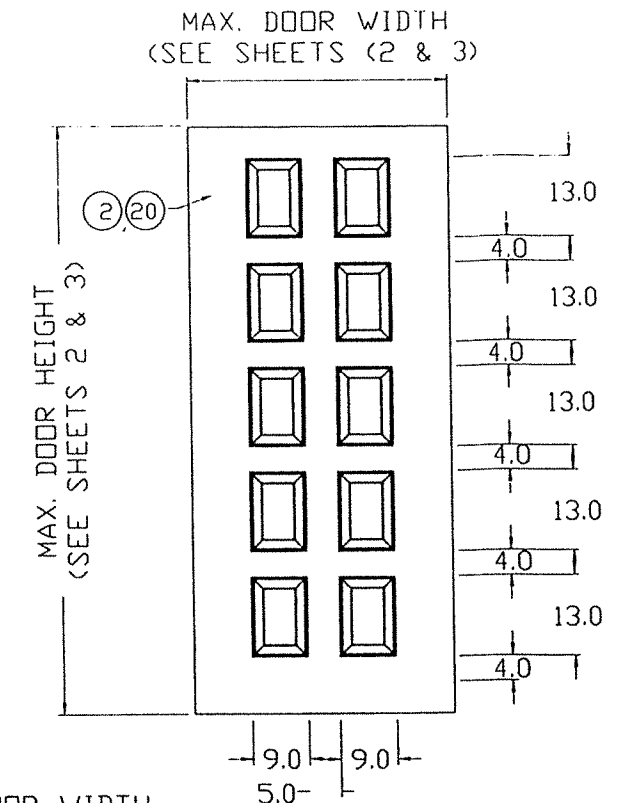
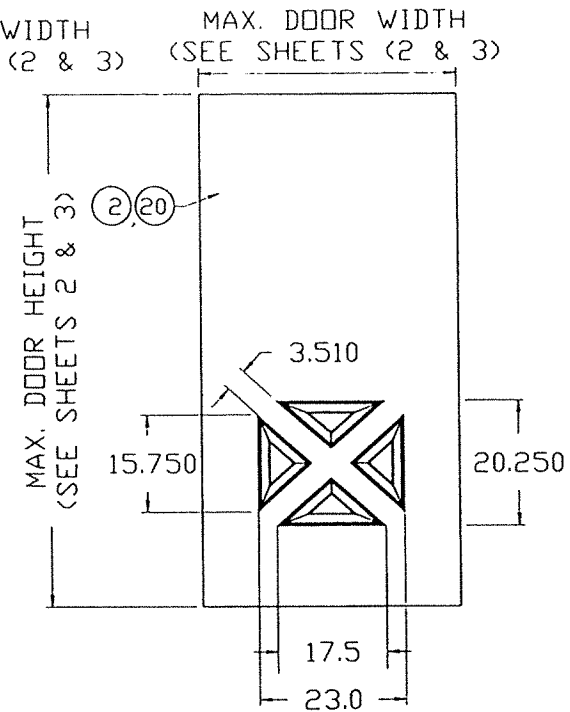
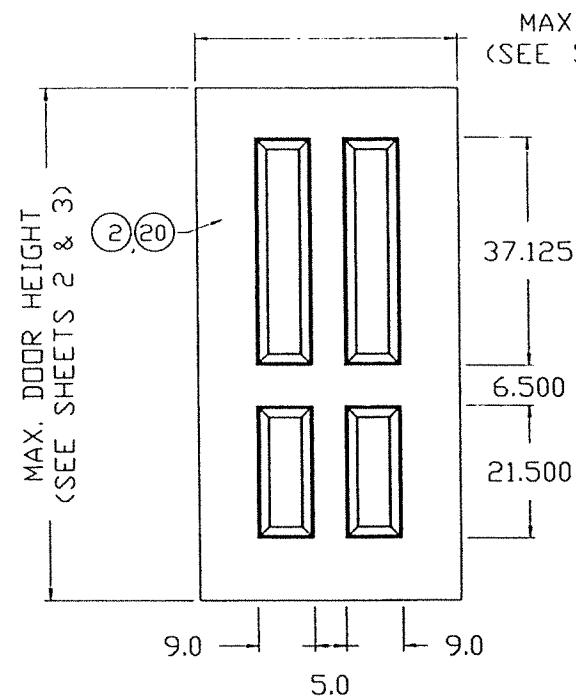
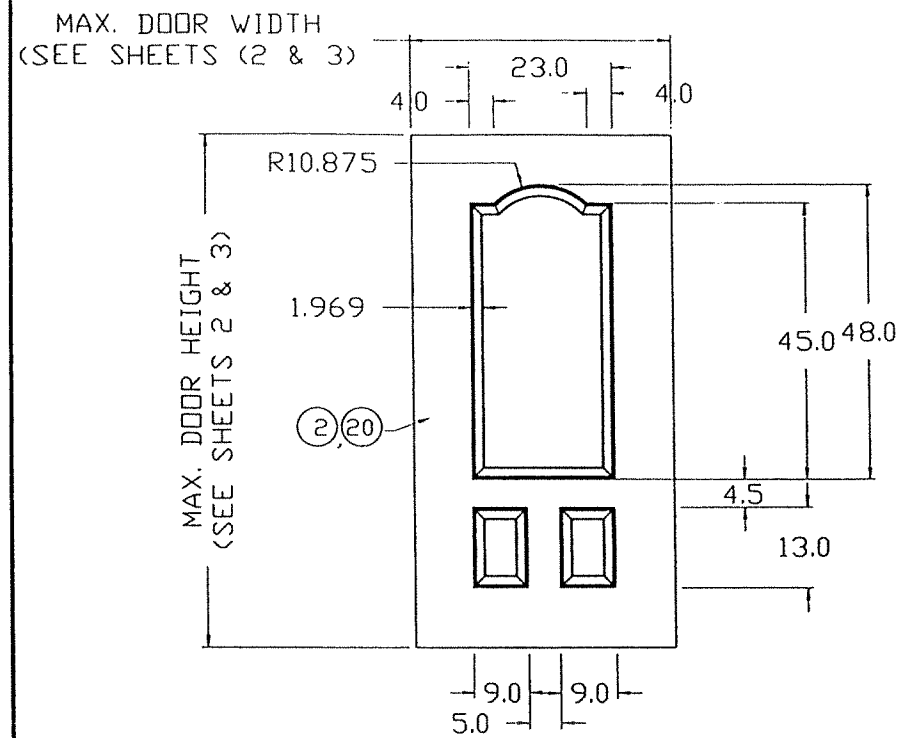
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-143	8/9/2023	3		
2	COMP #20	2/12/2026	4		

DRAWN BY:
W.H.

8/9/2023
DATE

23-168
DRAWING No

SHEET 3A OF 19



OPTIONAL EMBOSSED DOOR SLAB SHEET CONFIGURATIONS

NOTE:
EMBOSSED DOORS PERMITTED IN
SINGLES & PAIRS LIMITED TO DESIGN
PRESSURES NOTED FOR EACH ASSEMBLY

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **26-0226.02**
Expiration Date: **04/07/2031**
By: *Manuel Perez*
Miami-Dade Product Control
MIAMI-DADE COUNTY

No. 44167
STATE OF
3/29/2026
P.E. SEAL/SIGNATURE/DATE

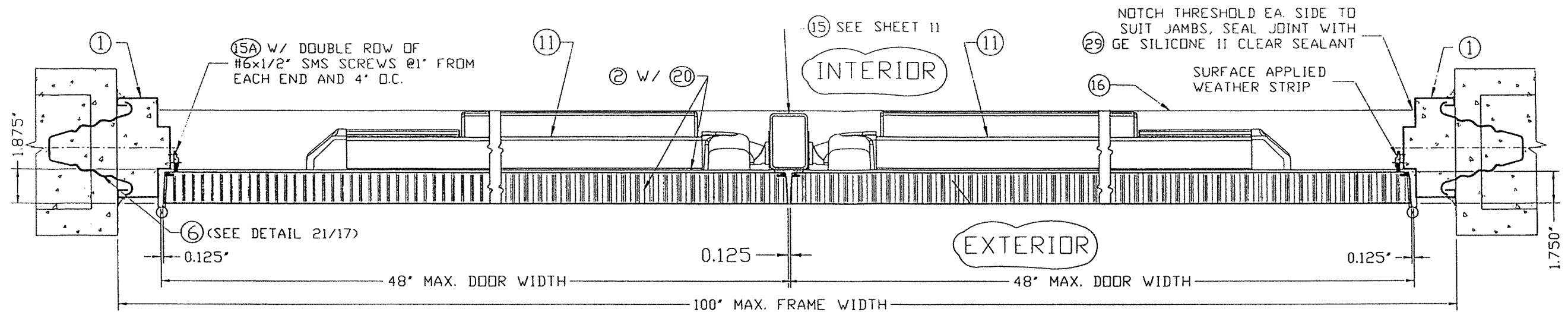
©2023 TILTECO, INC.
TILTECO inc.
TILLIT TESTING & ENGINEERING COMPANY
6355N.W. 36th. St. Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
CA-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

DOUBLE & SINGLE SERIES LS18 OUTSWING COMMERCIAL
GALVANNEAL OR STAINLESS STEEL DOOR W/ SERIES "AS"
16 GAGE GALVANNEAL OR STAINLESS STEEL FRAME
FLUSH, EMBOSSED & GLAZED ASSEMBLIES - L.M.
DAYBAR INDUSTRIES LTD
50 WEST DRIVE, BRAMPTON,
ON CANADA, L6T 2J4
TEL: 905 625-8000
FAX: 905 625-4204

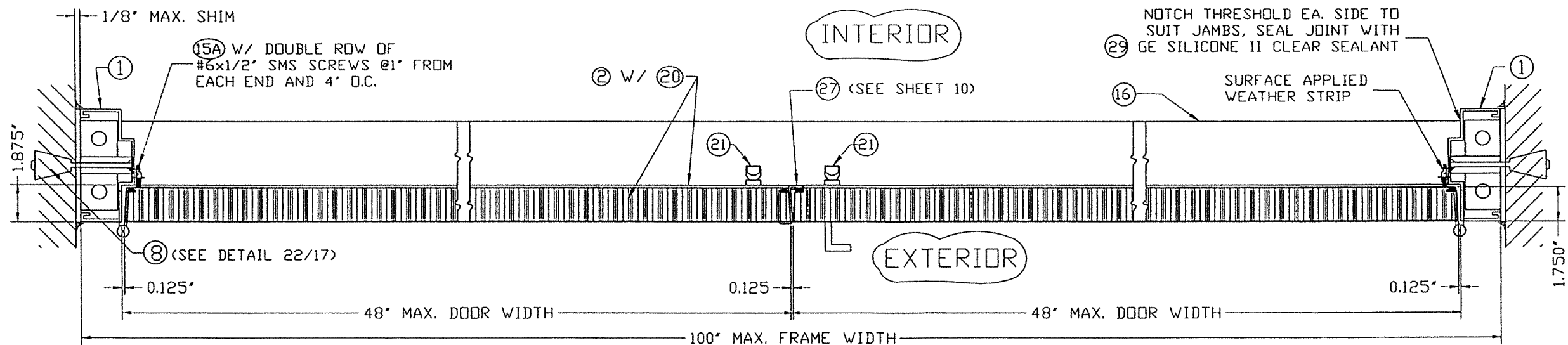
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-143	8/9/2023	3		
2	COMP #20	2/12/2026	4		

DRAWN BY:
W.H.
8/9/2023
DATE
23-168
DRAWING No
SHEET 4 OF 19

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)



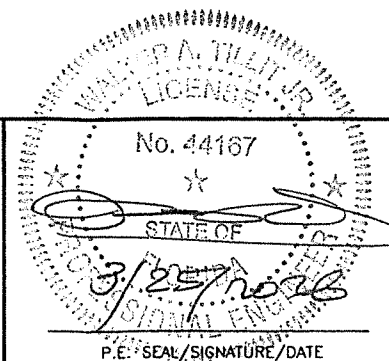
SECTION A-A
SCALE: 3/16"=1"



SECTION B-B
SCALE: 3/16"=1"

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **26-0226.02**
Expiration Date: **04/07/2031**
By: *Manuel Perez*
Miami-Dade Product Control
MIAMI-DADE COUNTY



©2023 TILTECO, INC.
TILTECO Inc.
TILLIT TESTING & ENGINEERING COMPANY
6355N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone: (305)871-1530 Fax: (305)871-1531
e-mail: tilteco@aol.com
CA-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

DOUBLE & SINGLE SERIES LS18 OUTSWING COMMERCIAL
GALVANNEAL OR STAINLESS STEEL DOOR W/ SERIES "AS"
16 GAGE GALVANNEAL OR STAINLESS STEEL FRAME
FLUSH, EMBOSSED & GLAZED ASSEMBLIES - L.M.
DAYBAR INDUSTRIES LTD
50 WEST DRIVE, BRAMPTON,
ON CANADA, L6T 2J4
TEL: 905 625-8000
FAX: 905 625-4204

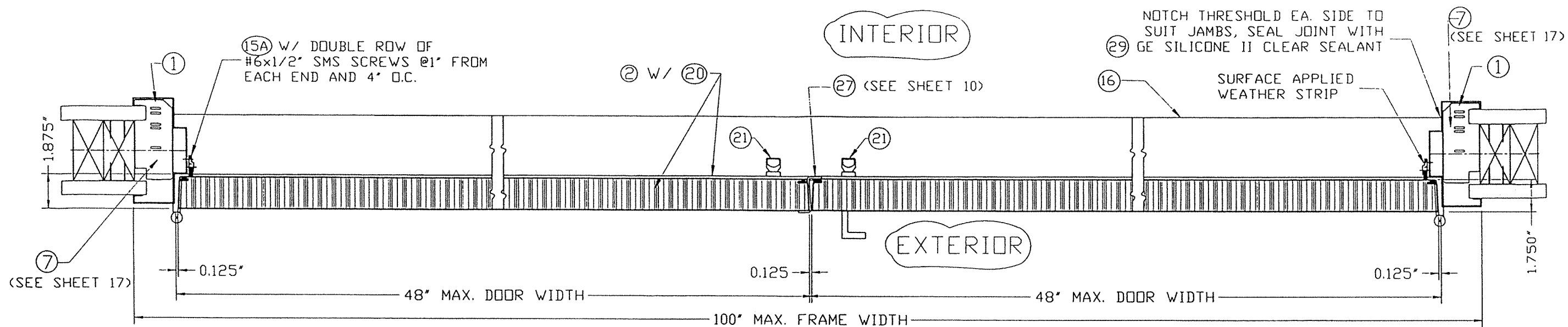
DRAWN BY:
W.H.

8/9/2023
DATE

23-168
DRAWING No

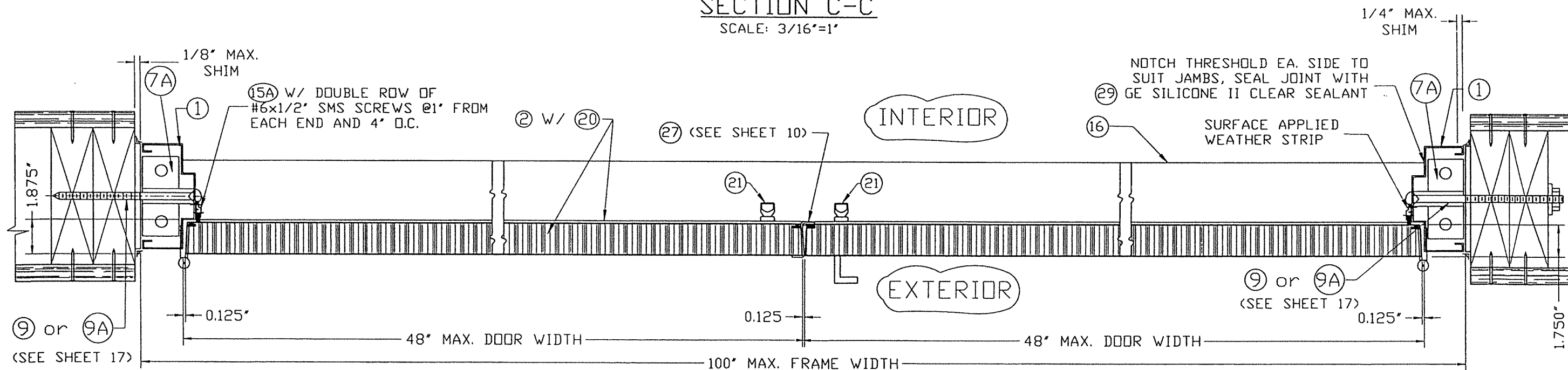
SHEET 5 OF 19

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-143	8/9/2023	3		
2	COMP #20	2/12/2026	4		



SECTION C-C

SCALE: 3/16"=1"



SECTION C'-C'

SCALE: 3/16"=1"

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **26-0226.02**
Expiration Date: **04/07/2031**
By: *Manuel Perez*
Miami-Dade Product Control
MIAMI-DADE COUNTY

WALTER A. TILLIT JR.
No. 44167
STATE OF FLORIDA
Professional Engineer
3/25/2022
P.E. SEAL/SIGNATURE/DATE

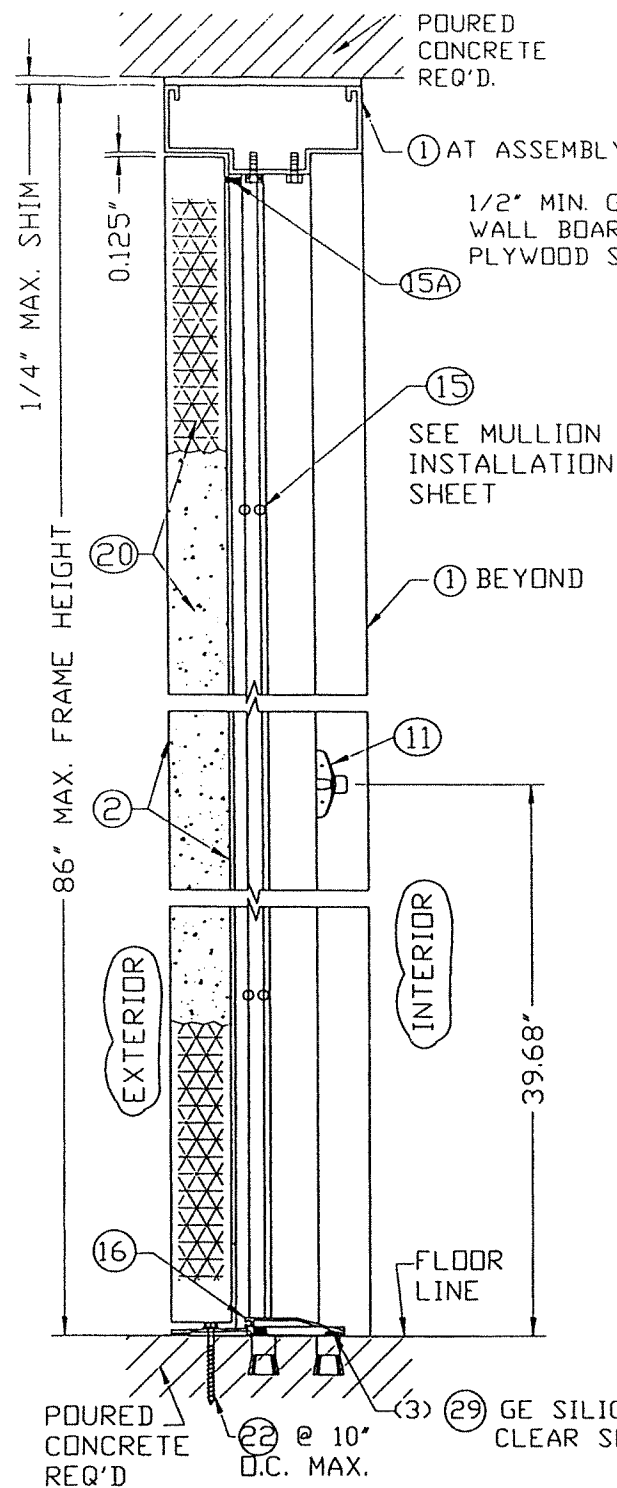
©2023 TILTECO, INC.
TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone: (305) 871-1530 Fax: (305) 871-1531
e-mail: tilteco@aol.com
CA-0006719
WALTER A. TILLIT JR. P.E.
FLORIDA Lic. # 44167

DOUBLE & SINGLE SERIES LS18 OUTSWING COMMERCIAL
GALVANNEAL OR STAINLESS STEEL DOOR W/ SERIES "AS"
16 GAGE GALVANNEAL OR STAINLESS STEEL FRAME
FLUSH, EMBOSSED & GLAZED ASSEMBLIES - L.M.
DAYBAR INDUSTRIES LTD
50 WEST DRIVE, BRAMPTON,
ON CANADA, L6T 2J4
TEL: 905 625-8000
FAX: 905 625-4204

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-143	8/9/2023	3		
2	COMP #20	2/12/2026	4		

DRAWN BY:
W.H.
8/9/2023
DATE
23-168
DRAWING No

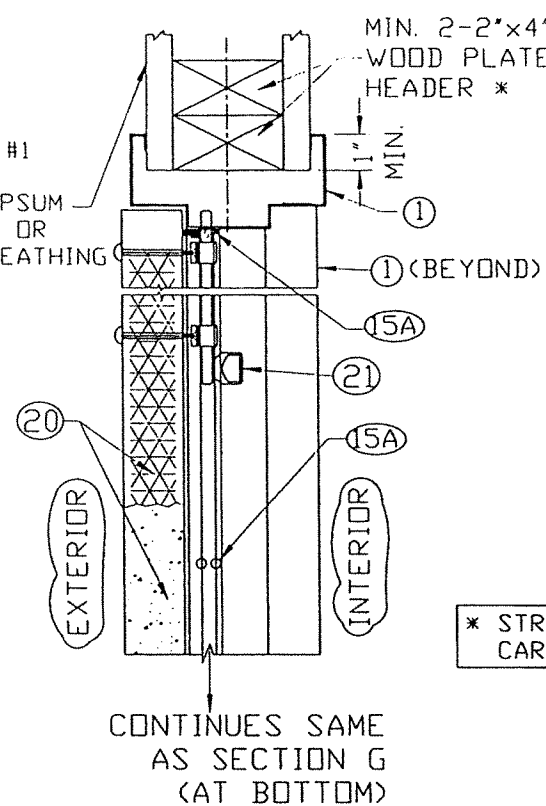
SHEET 6 OF 19



SECTION D-D

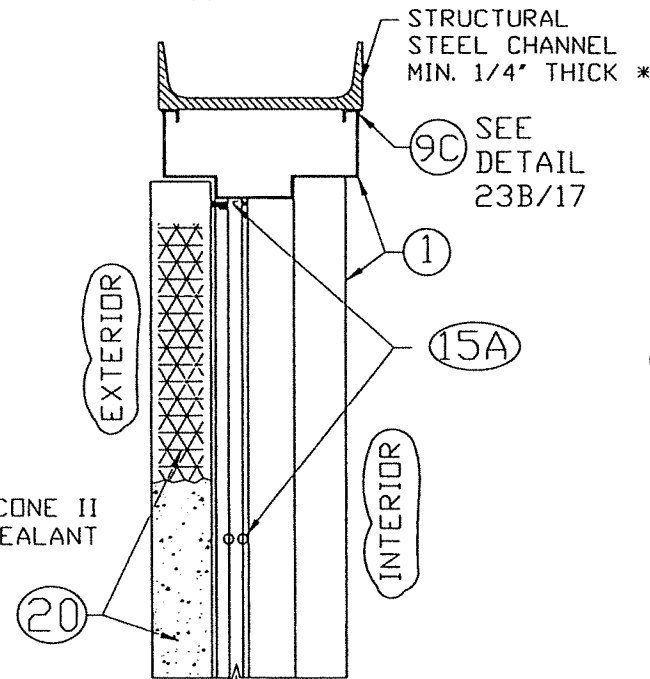
SINGLE DOOR DOES NOT NEED MULLION.
LATCH ONTO REINFORCED JAMB

SCALE: 3/16"=1"



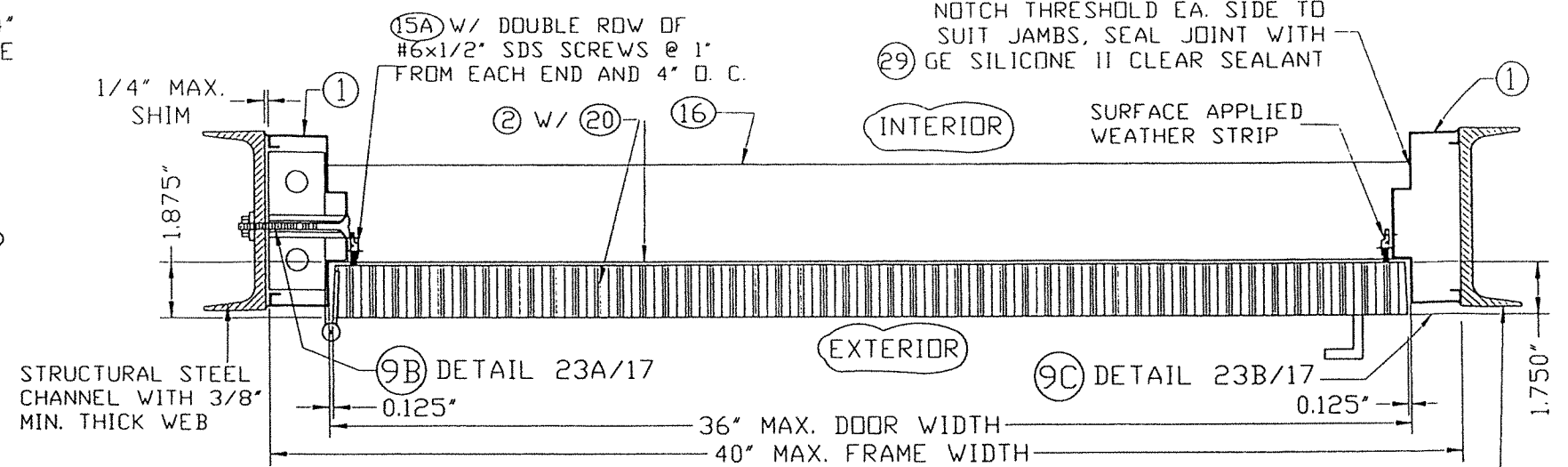
SECTION E

SCALE: 3/16"=1"



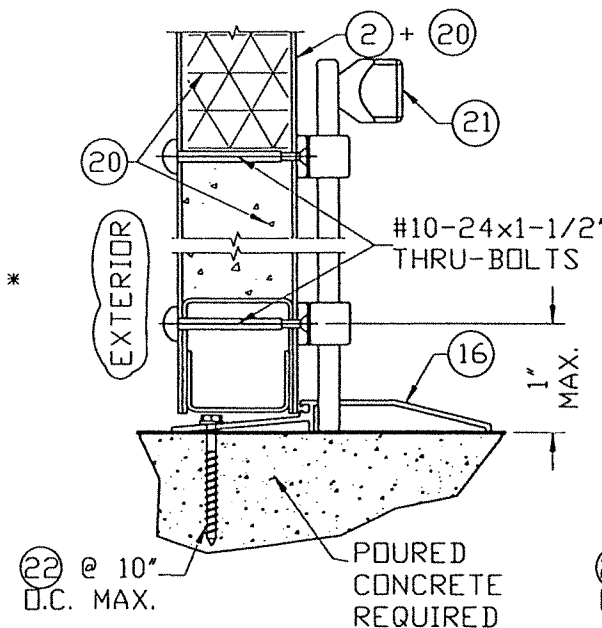
SECTION H

SCALE: 3/16"=1"

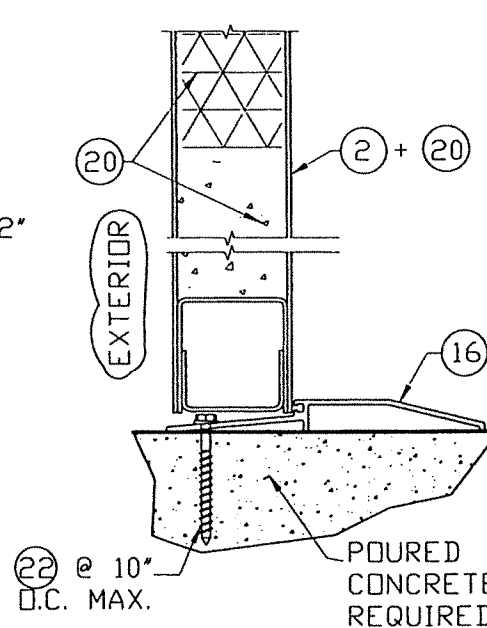


SECTION J-J

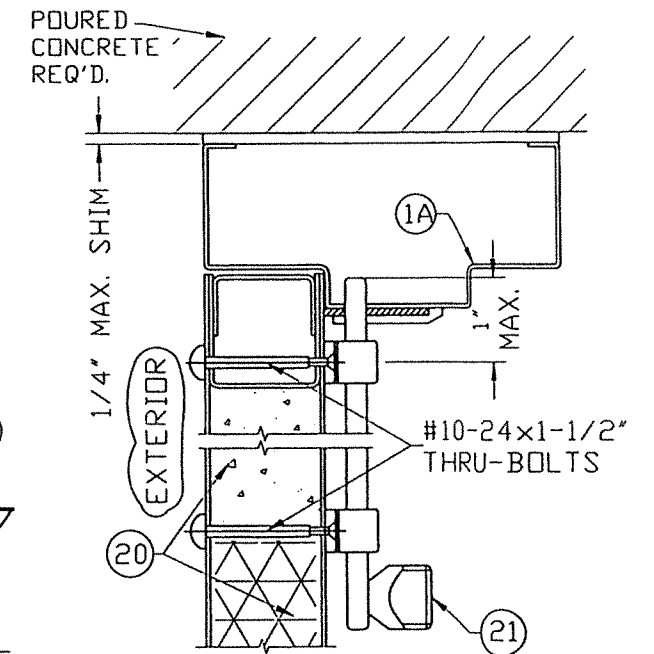
SCALE: 3/16"=1"



SECTION G



SECTION I



SECTION F

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **26-0226.02**
Expiration Date: **04/07/2031**
By: *Manuel Perez*
Miami-Dade Product Control
MIAMI-DADE COUNTY

WALTER A. TILTECO, INC.
No. 44167
P.E. SEAL/SIGNATURE/DATE

©2023 TILTECO, INC.
TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone: (305)871-1530 Fax: (305)871-1531
e-mail: tilteco@aol.com
CA-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

DOUBLE & SINGLE SERIES LS18 OUTSWING COMMERCIAL GALVANNEAL OR STAINLESS STEEL DOOR W/ SERIES "AS" 16 GAGE GALVANNEAL OR STAINLESS STEEL FRAME FLUSH, EMBOSSED & GLAZED ASSEMBLIES - L.M.

DAYBAR INDUSTRIES LTD
50 WEST DRIVE, BRAMPTON, ON CANADA, L6T 2J4
TEL: 905 625-8000
FAX: 905 625-4204

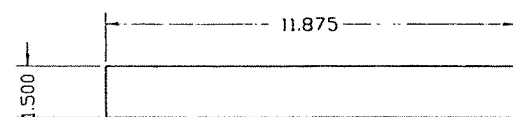
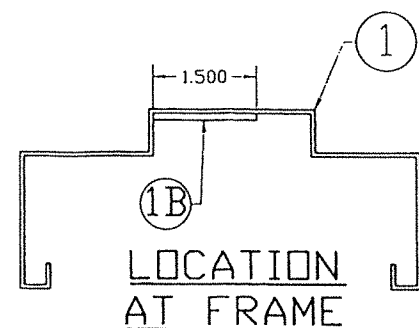
DRAWN BY: W.H.

8/9/2023
DATE

23-168
DRAWING No

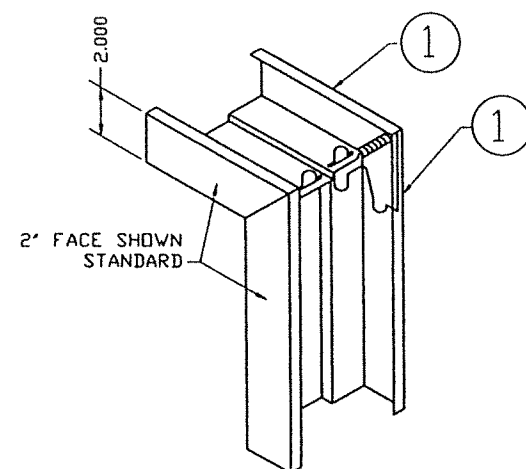
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-143	8/9/2023	3		
2	COMP #20	2/12/2026	4		

SHEET 7 OF 19



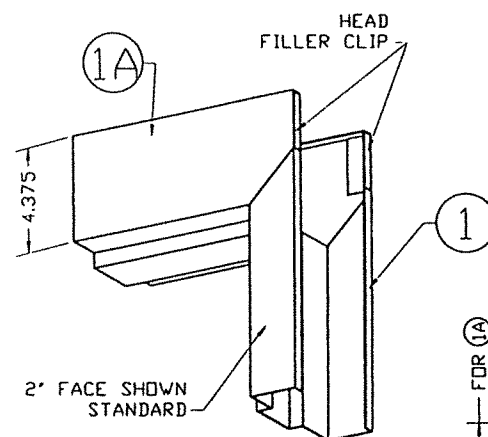
MATERIAL:
GAUGE 12 MINIMUM (0.097
THICK) GALVANNEAL OR STAINLESS STEEL
ATTACHED W/ (2) LONG MIC
WELDS ONE/END.

1B SURFACE STRIKE REINFORCING

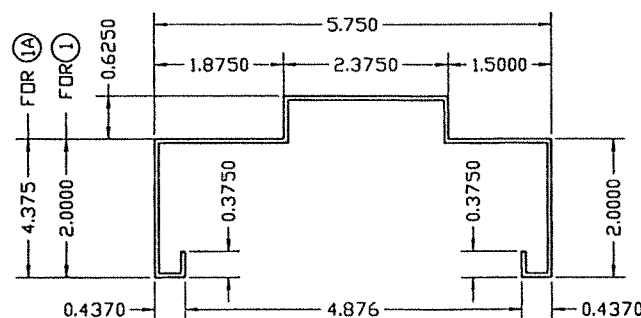


1. DIE MITERED CORNER CONT. WELDED INSIDE FACES & AT RETURNS
2. CAULK COMPLETE INSIDE CORNER WITH (29) GE SILICONE II

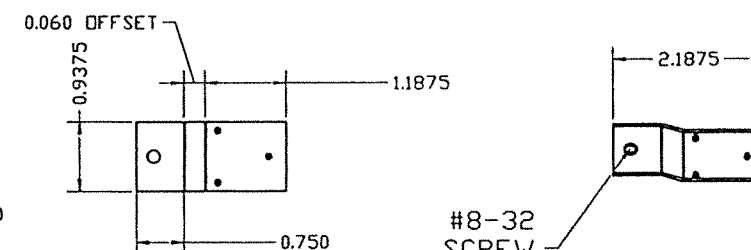
DETAIL 16 TYPICAL WELDED CORNER



2" FACE SHOWN
STANDARD



MATERIAL:
GAUGE 16 MINIMUM (0.058)
GALVANNEAL OR
STAINLESS STEEL



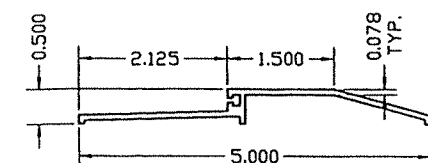
14 GA (0.074) MIN GALVANNEAL OR STAINLESS STEEL

ATTACHED TO STRIKE JAMB W/ (3) 1/8" Ø
PROJECTION WELDS.

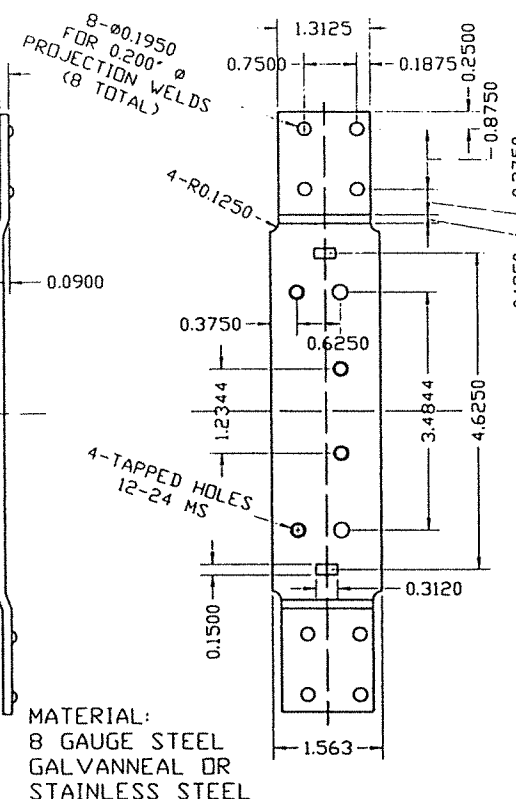
1 TYPICAL JAMB & HEAD SECTION

1A OPTIONAL HEAD SECTION

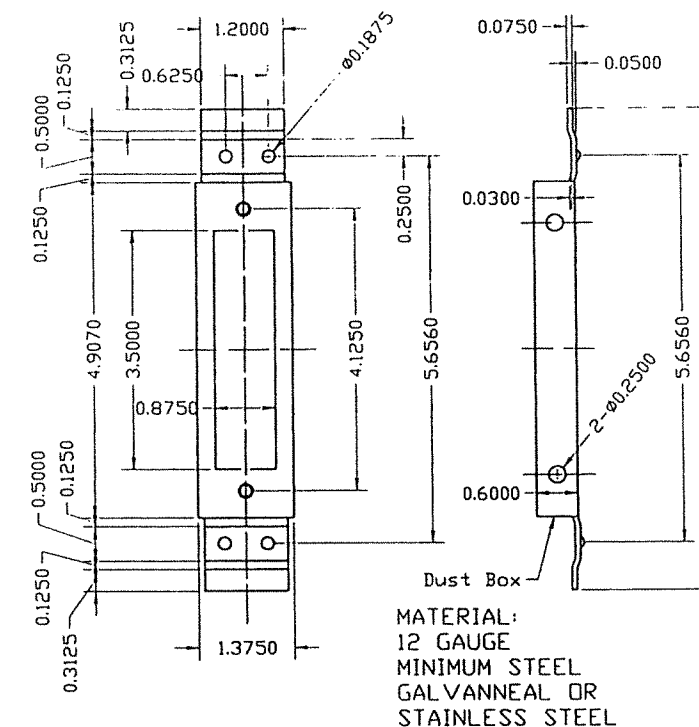
FRAME SECTIONS AND REINFORCING DETAILS



16 EXTRUDED ALUMINUM THRESHOLD NGP #950NA



MATERIAL:
8 GAUGE STEEL
GALVANNEAL OR
STAINLESS STEEL



5 4 7/8" STRIKE REINFORCEMENT FOR FRAME DETAIL

ATTACHED W/ (4) 3/16" Ø PROJECTION WELDS.

DEAD LOCK STRIKE TAB

14 GA (0.074) MIN GALVANNEAL OR STAINLESS STEEL

ATTACHED TO STRIKE JAMB W/ (3) 1/8" Ø
PROJECTION WELDS.

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **26-0226.02**
Expiration Date: **04/07/2031**
By: *Manuel Perez*
Miami-Dade Product Control
MIAMI-DADE COUNTY

No. 44167
3/29/2026
P.E. SEAL/SIGNATURE/DATE

©2023 TILTECO, INC.
TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone: (305)871-1530 Fax: (305)871-1531
e-mail: tilteco@aol.com
CA-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

DOUBLE & SINGLE SERIES LS18 OUTSWING COMMERCIAL
GALVANNEAL OR STAINLESS STEEL DOOR W/ SERIES "AS"
16 GAGE GALVANNEAL OR STAINLESS STEEL FRAME
FLUSH, EMBOSSED & GLAZED ASSEMBLIES - L.M.

DAYBAR INDUSTRIES LTD

50 WEST DRIVE, BRAMPTON,
ON CANADA, L6T 2J4
TEL: 905 625-8000
FAX: 905 625-4204

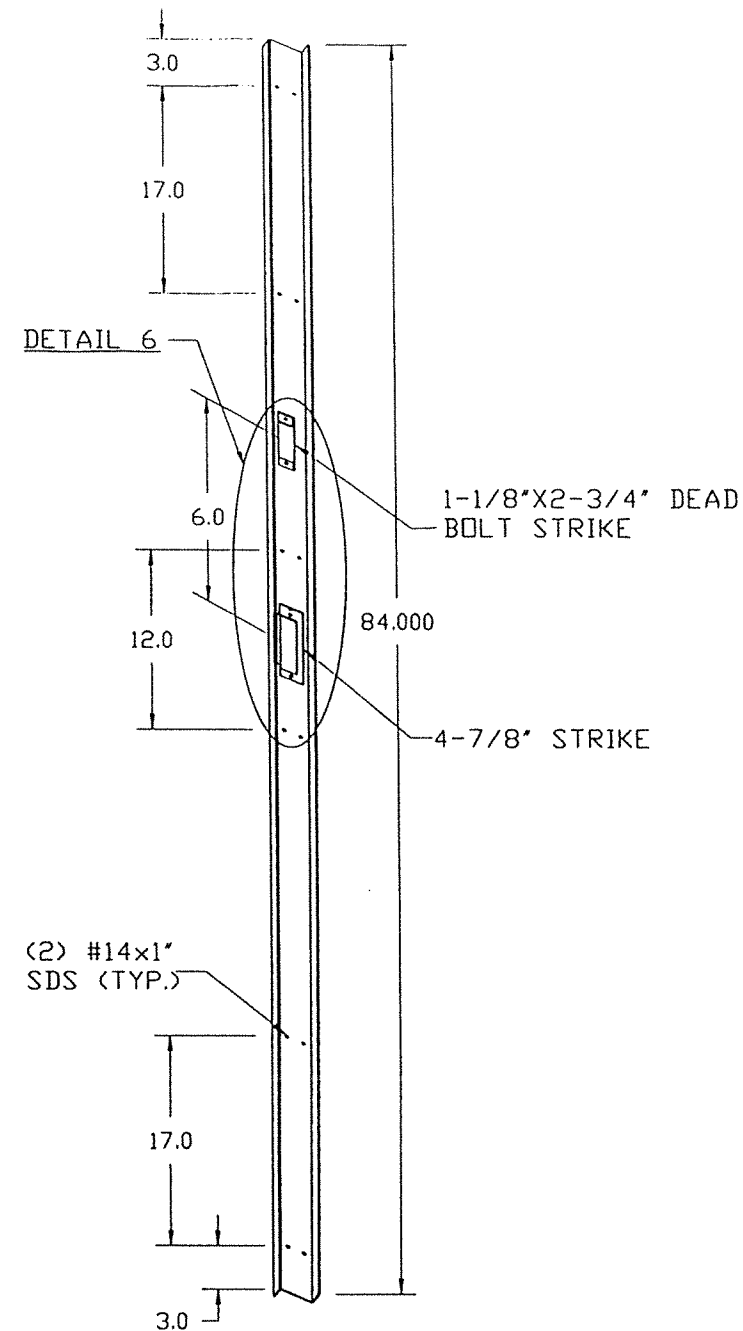
DRAWN BY:
W.H.

8/9/2023
DATE

23-168
DRAWING No

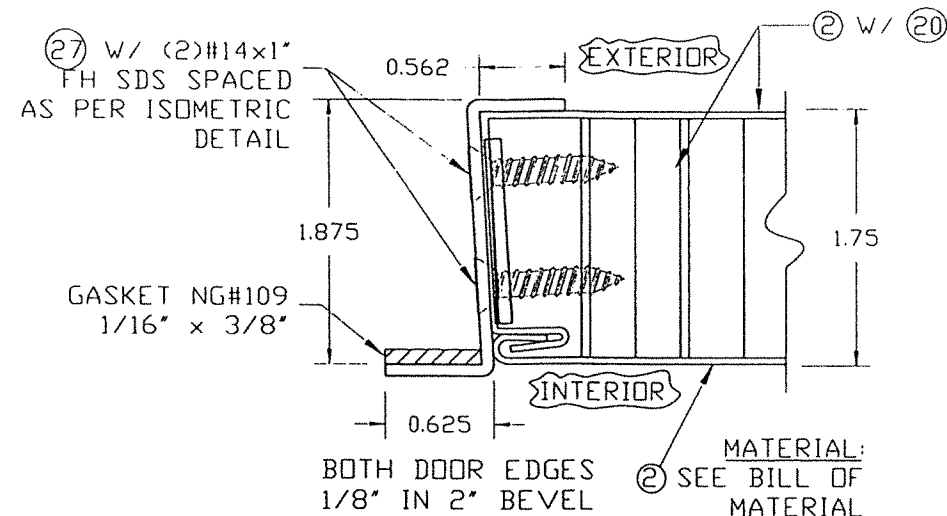
SHEET 9 OF 19

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-143	8/9/2023	3		
2	COMP #20	2/12/2026	4		

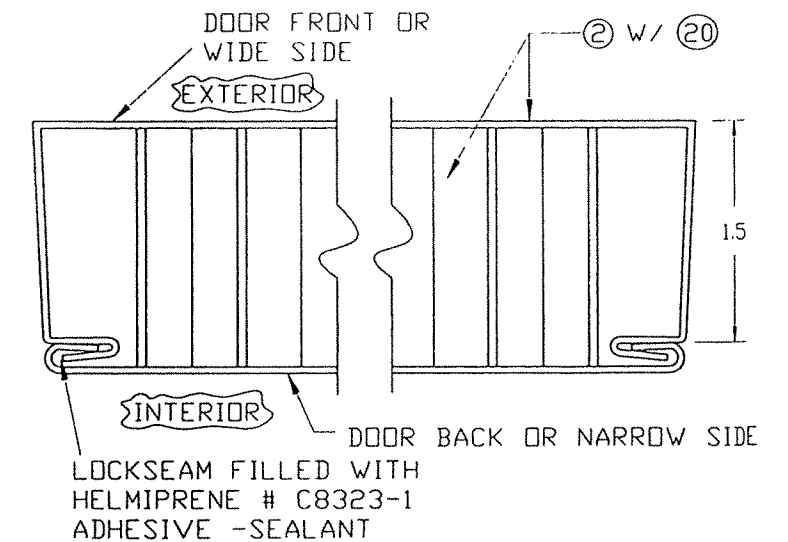


**(27) "Z" ASTRAGAL ISOMETRIC
DETAIL**

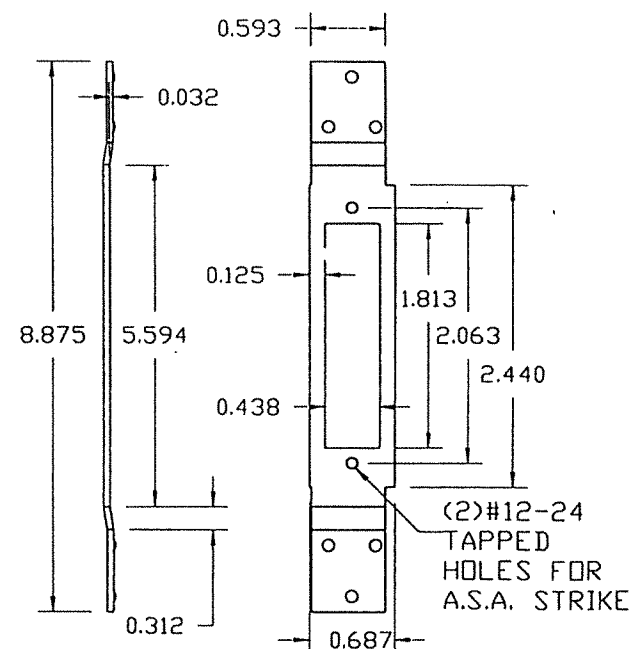
MATERIAL:
0.075" THICK
GALVANNEAL STEEL
OR STAINLESS
STEEL



**SECTION THRU ASTRAGAL
AT DOUBLE DOOR**

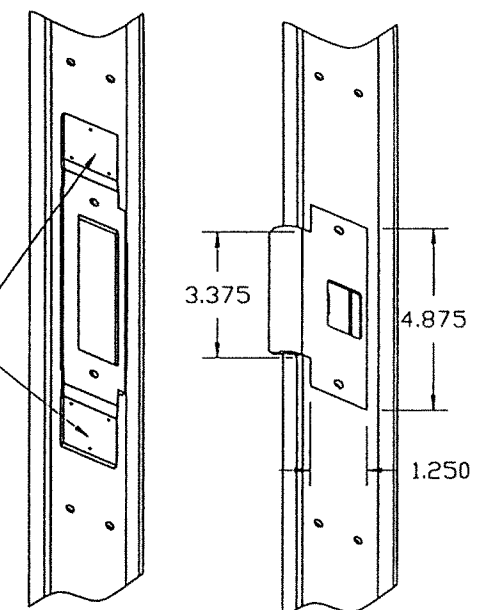


**TYPICAL CROSS SECTION
THRU DOOR**



**12 GAGE GALVANNEAL STEEL OR STAINLESS STEEL
ASA 1299 STRIKE
REINFORCEMENT FOR ASTRAGAL**

12GA. GALVANNEAL
OR STAINLESS
STEEL ASA
STRIKE REINFORCEMENT
3x1/8" PROJECTION
WELD EACH SIDE



DETAIL 6

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **26-0226.02**
Expiration Date: **04/07/2031**
By: *Manuel Perez*
Miami-Dade Product Control
MIAMI-DADE COUNTY

WALTER A. TILLIT JR.
P.E. SEAL/SIGNATURE/DATE
No. 44167
3/25/2023

©2023 TILTECO, INC.
TILTECO Inc.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone: (305) 871-1530 Fax: (305) 871-1531
e-mail: tilteco@aol.com
CA-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

DOUBLE & SINGLE SERIES LS18 OUTSWING COMMERCIAL
GALVANNEAL OR STAINLESS STEEL DOOR W/ SERIES "AS"
16 GAGE GALVANNEAL OR STAINLESS STEEL FRAME
FLUSH, EMBOSSED & GLAZED ASSEMBLIES - L.M.

DAYBAR INDUSTRIES LTD
50 WEST DRIVE, BRAMPTON,
ON CANADA, L6T 2J4
TEL: 905 625-8000
FAX: 905 625-4204

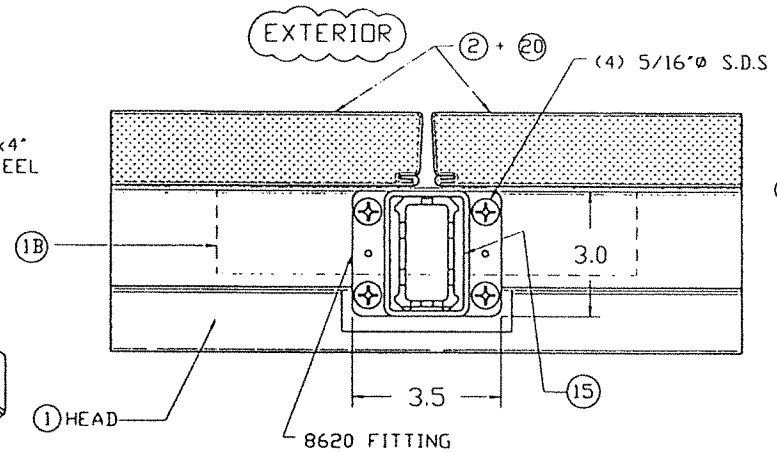
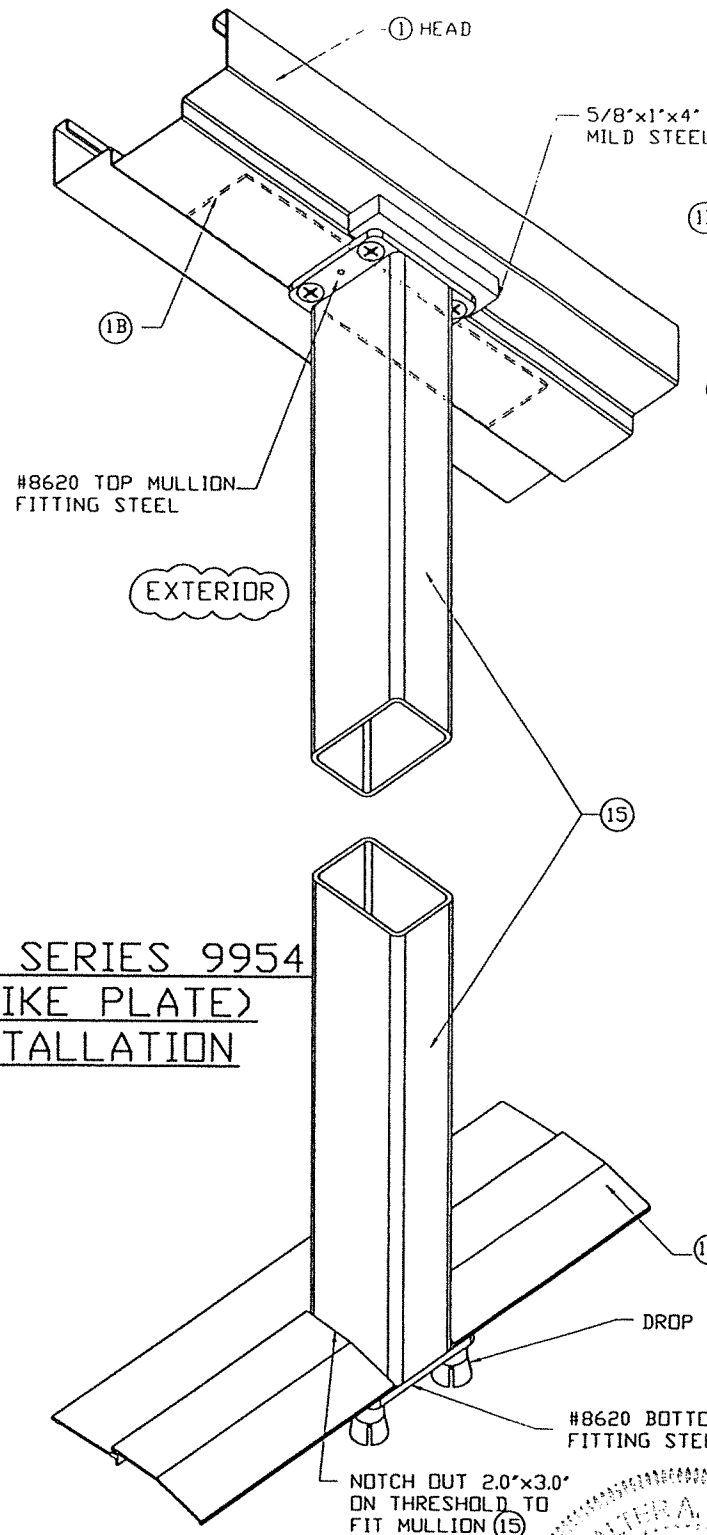
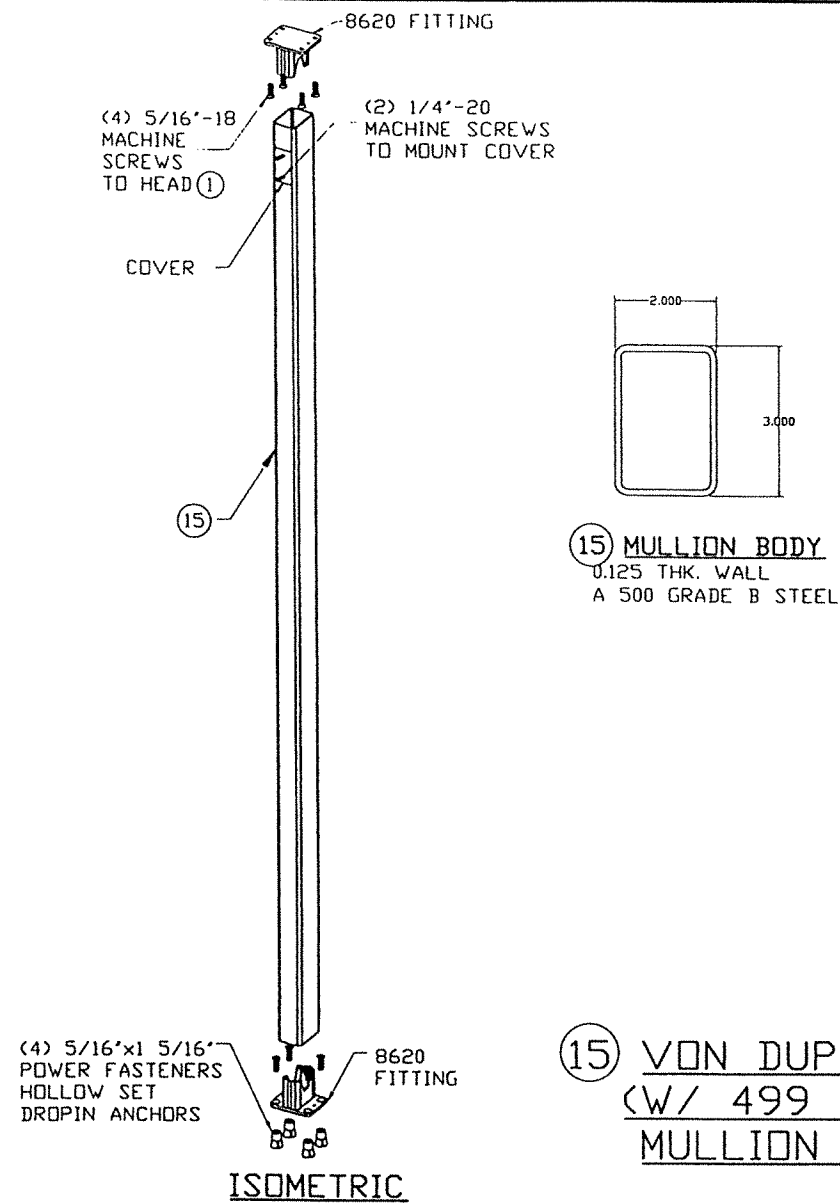
DRAWN BY:
W.H.

8/9/2023
DATE

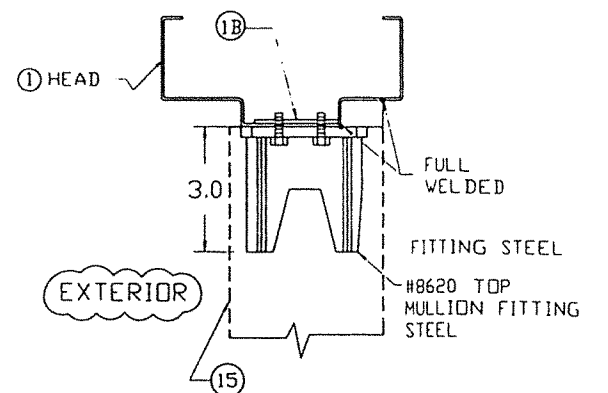
23-168
DRAWING No

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-143	8/9/2023	3		
2	COMP #20	2/12/2026	4		

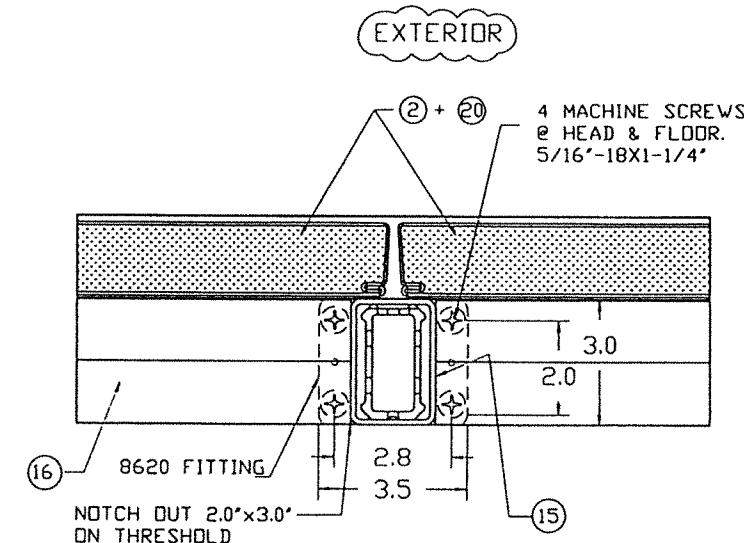
SHEET 10 OF 19



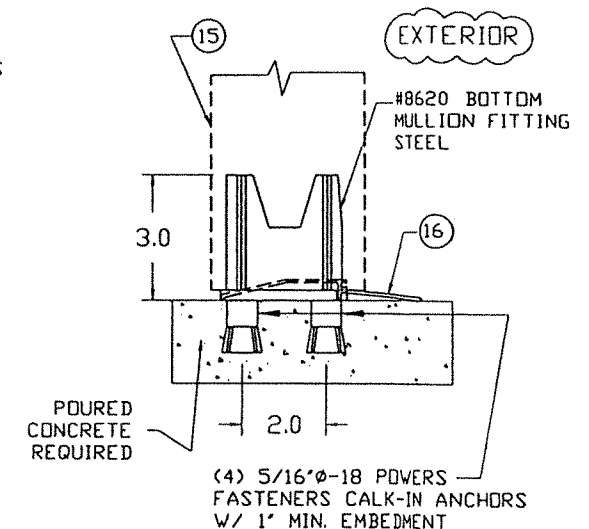
CONNECTION AT TOP (PLAN)



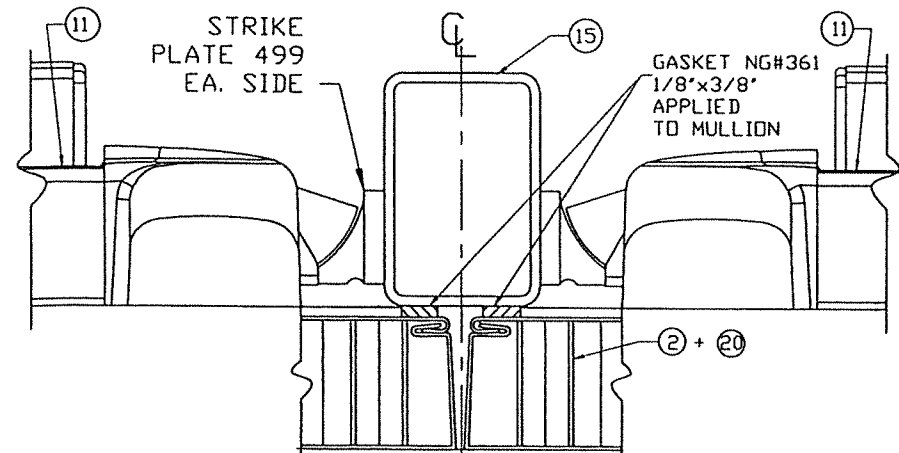
SECTION



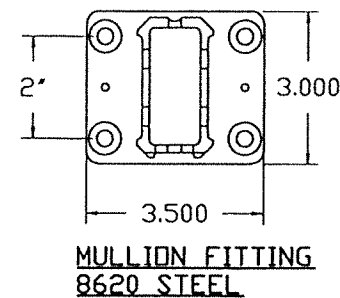
CONNECTION AT BOTTOM (PLAN)



SECTION



MULLION/DOOR SEAL



MULLION FITTING
8620 STEEL

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **26-0226.02**
Expiration Date: **04/07/2031**
By: *Manuel Perez*
Miami-Dade Product Control
MIAMI-DADE COUNTY

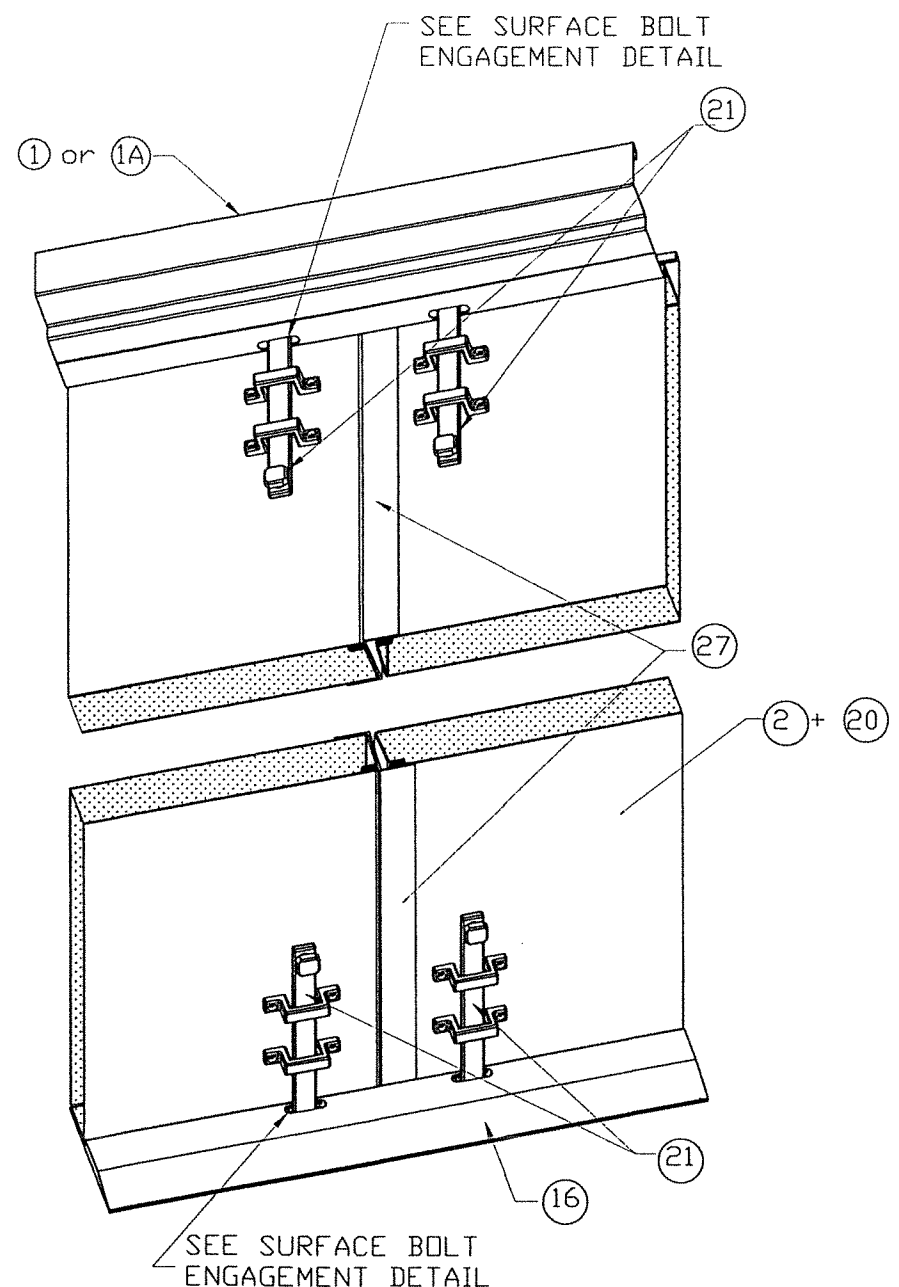
WALTER A. TILLIT, JR.
No. 44167
3/25/2026
P.E. SEAL/SIGNATURE/DATE

©2023 TILTECO, INC.
TILTECO inc.
TILLIT TESTING & ENGINEERING COMPANY
6355N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone: (305)871-1530 • Fax: (305)871-1531
e-mail: tilteco@aol.com
CA-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

DOUBLE & SINGLE SERIES LS18 OUTSWING COMMERCIAL GALVANNEAL OR STAINLESS STEEL DOOR W/ SERIES "AS" 16 GAGE GALVANNEAL OR STAINLESS STEEL FRAME FLUSH, EMBOSSED & GLAZED ASSEMBLIES - L.M.
DAYBAR INDUSTRIES LTD
50 WEST DRIVE, BRAMPTON, ON CANADA, L6T 2J4
TEL: 905 625-8000
FAX: 905 625-4204

DRAWN BY: W.H.
8/9/2023 DATE
23-168
DRAWING No
SHEET 11 OF 19

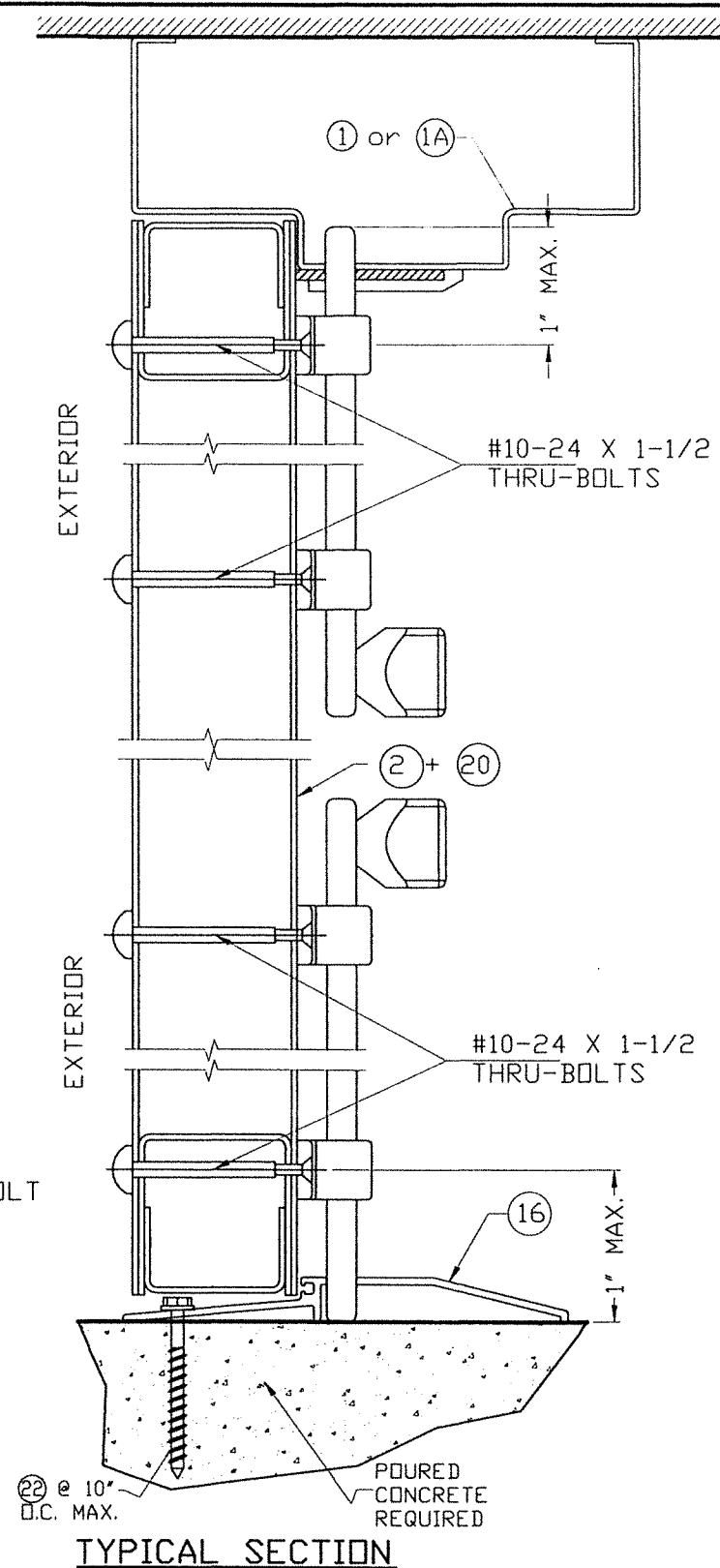
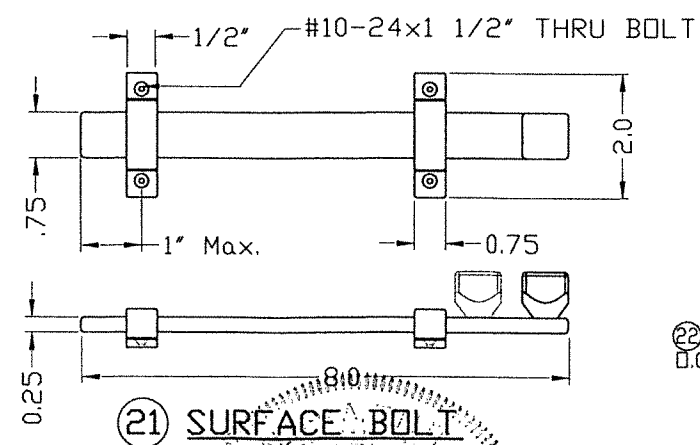
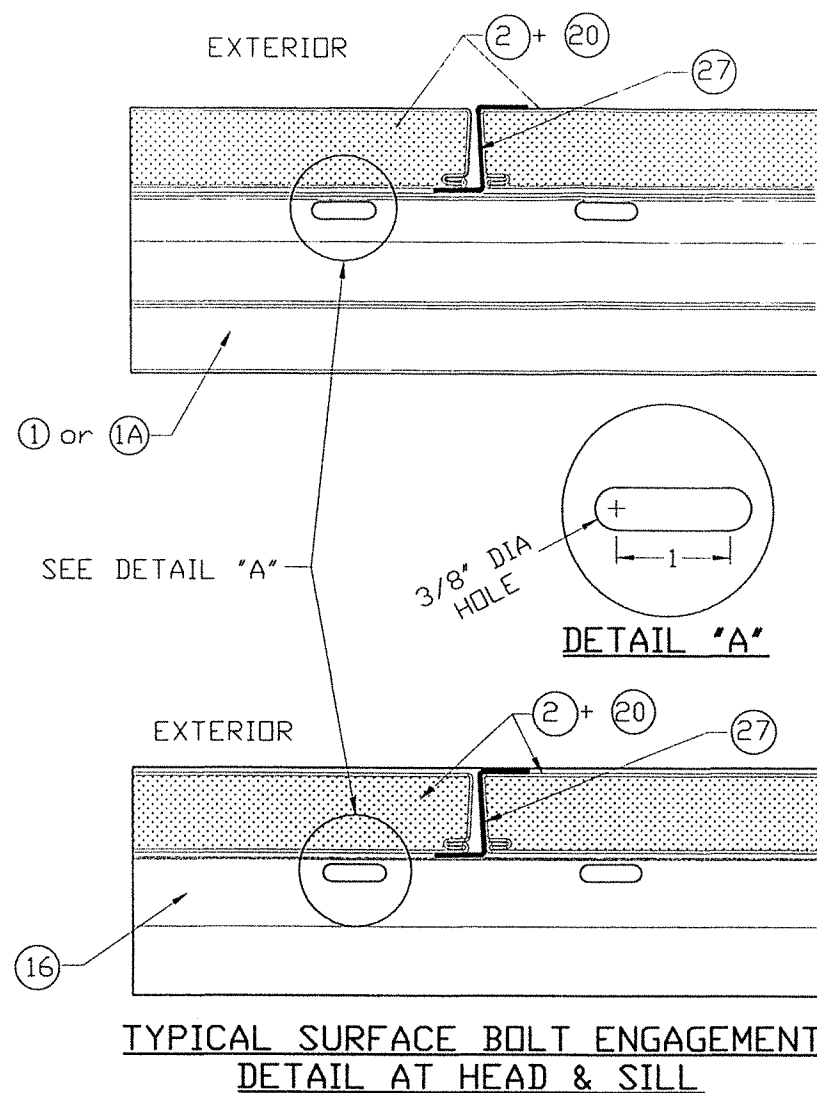
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-143	8/9/2023	3		
2	COMP #20	2/12/2026	4		



SURFACE BOLT INSTALLATION AT DOOR W/ ASTRAGAL (INTERIOR VIEW)

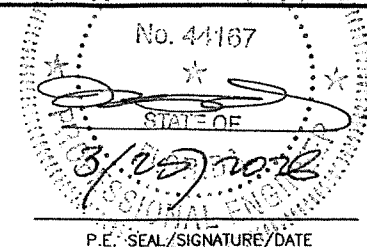
NOTE:
SURFACE BOLT
MANUFACTURER-HAGER
MODEL #275D
MATERIAL-STEEL
FINISH US26D

21 8" #275D HAGER SURFACE BOLT



FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **26-0226.02**
Expiration Date: **04/07/2031**
By: *Manuel Perez*
Miami-Dade Product Control
MIAMI-DADE COUNTY



©2023 TILTECO, INC.

TILTECO inc.

TILLIT TESTING & ENGINEERING COMPANY
6355N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
CA-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

DOUBLE & SINGLE SERIES LS18 OUTSWING COMMERCIAL
GALVANNEAL OR STAINLESS STEEL DOOR W/ SERIES "AS"
16 GAGE GALVANNEAL OR STAINLESS STEEL FRAME
FLUSH, EMBOSSED & GLAZED ASSEMBLIES - L.M.

DAYBAR INDUSTRIES LTD
50 WEST DRIVE, BRAMPTON,
ON CANADA, L6T 2J4
TEL: 905 625-8000
FAX: 905 625-4204

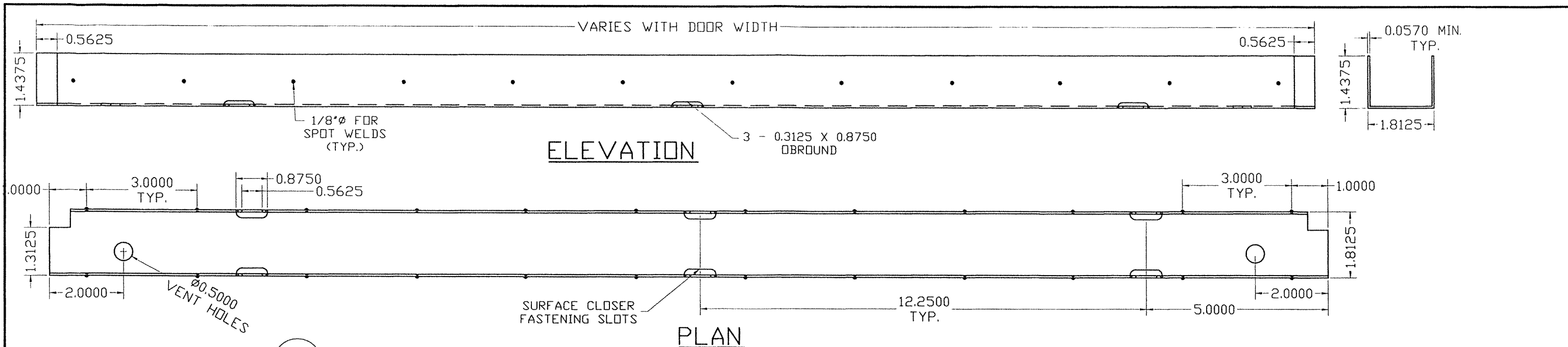
DRAWN BY:
W.H.

8/9/2023
DATE

23-168
DRAWING No

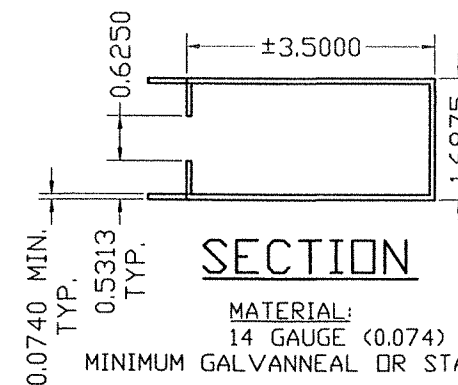
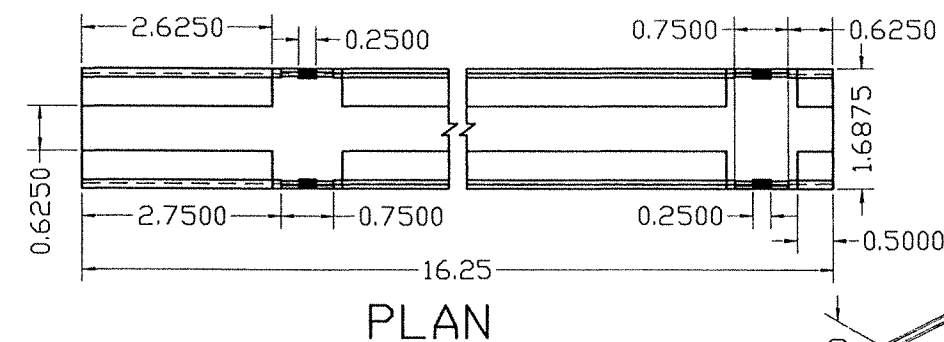
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-143	8/9/2023	3		
2	COMP #20	2/12/2026	4		

SHEET 12 OF 19



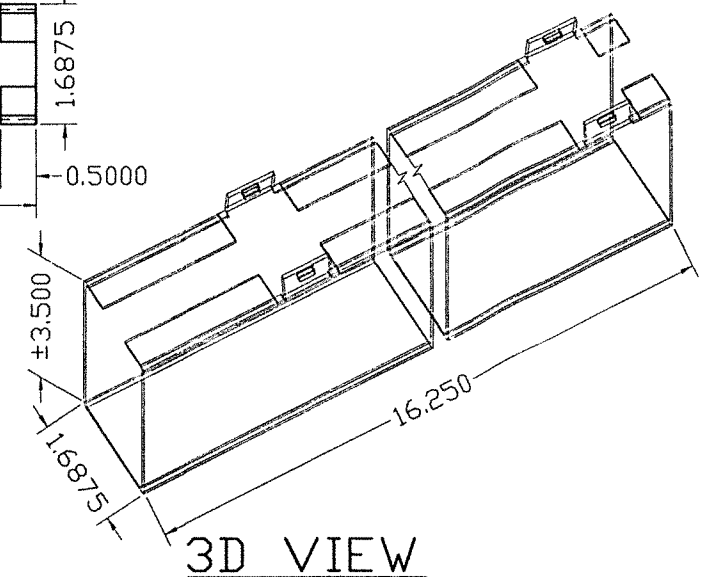
26 DOOR TOP AND BOTTOM TYPICAL END CHANNEL DETAIL

MATERIAL:
16 GAUGE (0.057) MINIMUM
GALVANNEAL STEEL OR STAINLESS STEEL



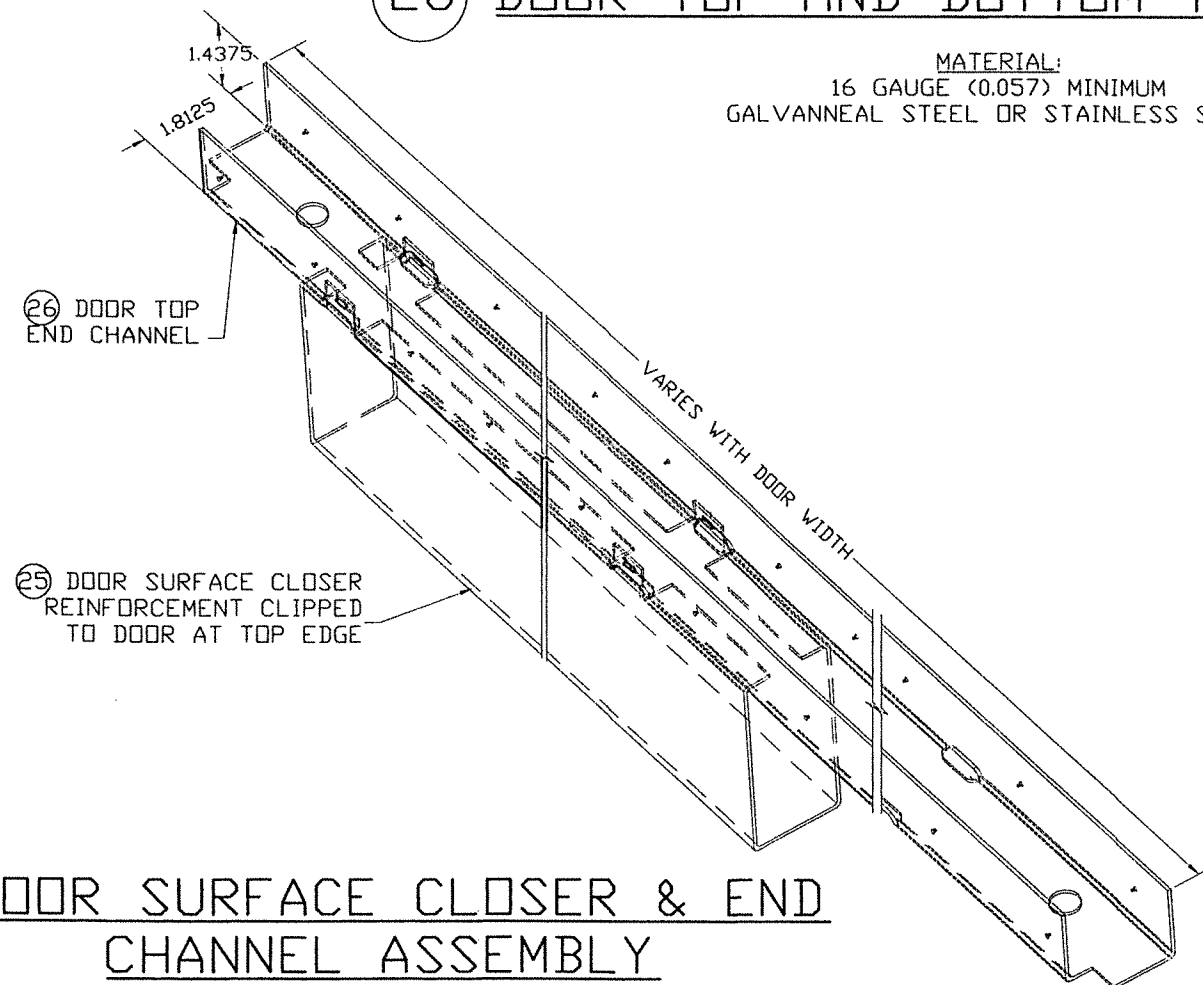
25 DOOR SURFACE CLOSER REINFORCEMENT DETAIL

LAMINATED TO EACH FACE OF DOOR
W/ CONTACT ADHESIVE (HELHIBOND 8326-1)
AT HINGE EDGE AND TOP END CHANNEL.



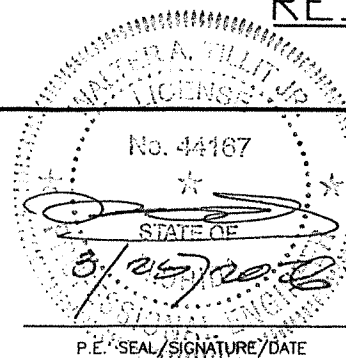
3D VIEW

DOOR SURFACE CLOSER & END CHANNEL ASSEMBLY



FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **26-0226.02**
Expiration Date: **04/07/2031**
By: *Manuel Perez*
Miami-Dade Product Control
MIAMI-DADE COUNTY



©2023 TILTECO, INC.
TILTECO Inc.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone: (305) 871-1530 Fax: (305) 871-1531
e-mail: tilteco@aol.com
CA-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

DOUBLE & SINGLE SERIES LS18 OUTSWING COMMERCIAL
GALVANNEAL OR STAINLESS STEEL DOOR W/ SERIES "AS"
16 GAGE GALVANNEAL OR STAINLESS STEEL FRAME
FLUSH, EMBOSSED & GLAZED ASSEMBLIES - L.M.

DAYBAR INDUSTRIES LTD

50 WEST DRIVE, BRAMPTON,
ON CANADA, L6T 2J4
TEL: 905 625-8000
FAX: 905 625-4204

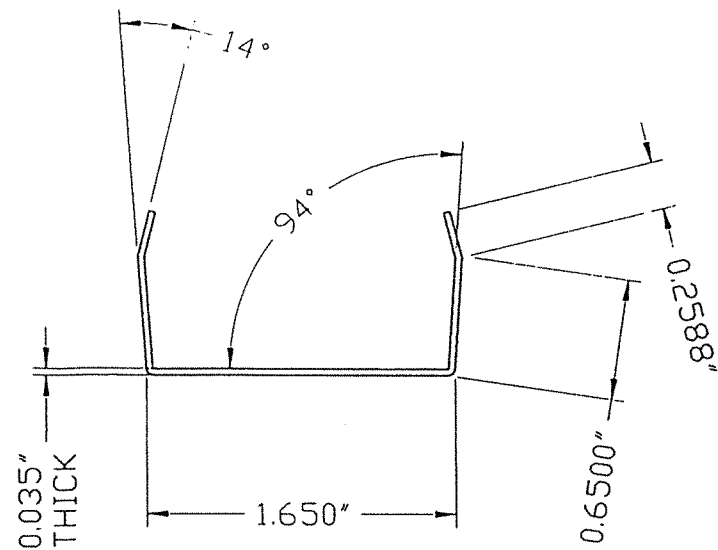
DRAWN BY:
W.H.

8/9/2023
DATE

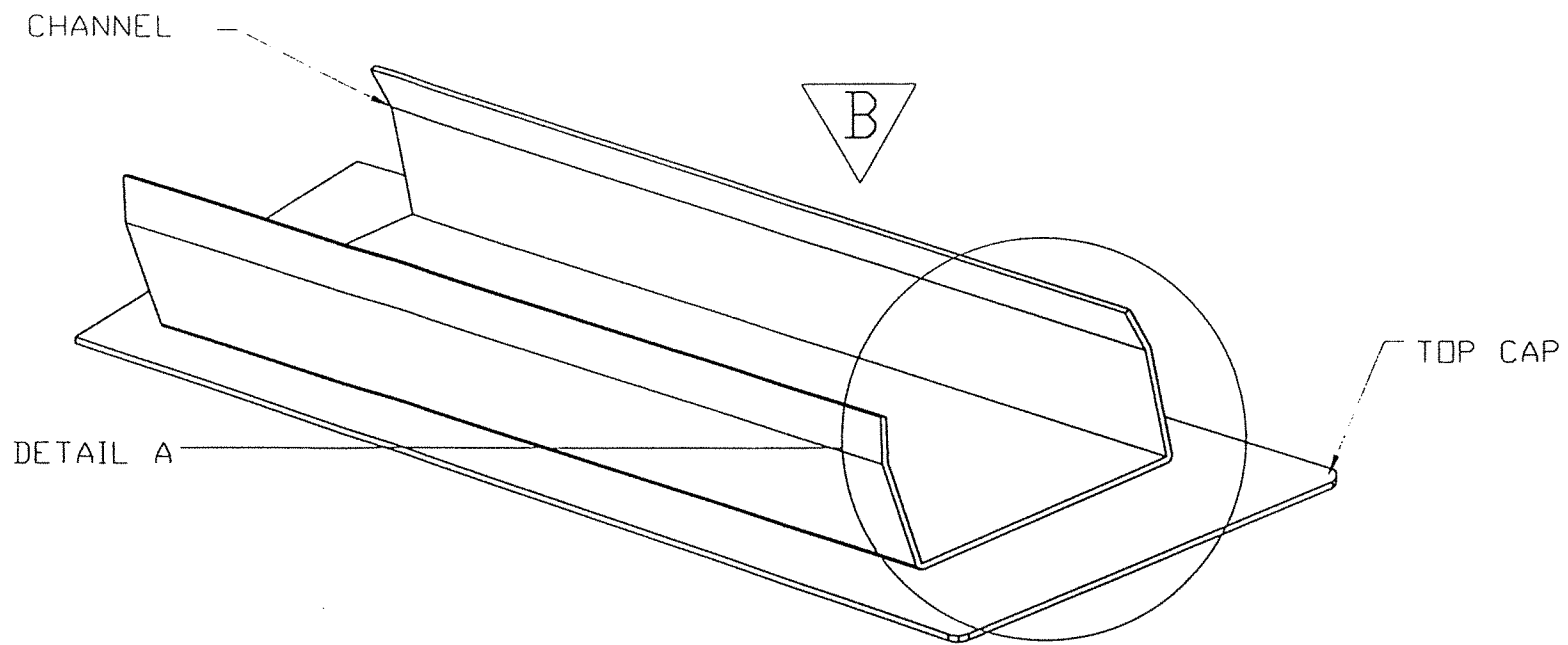
23-168
DRAWING No

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-143	8/9/2023	3		
2	COMP #20	2/12/2026	4		

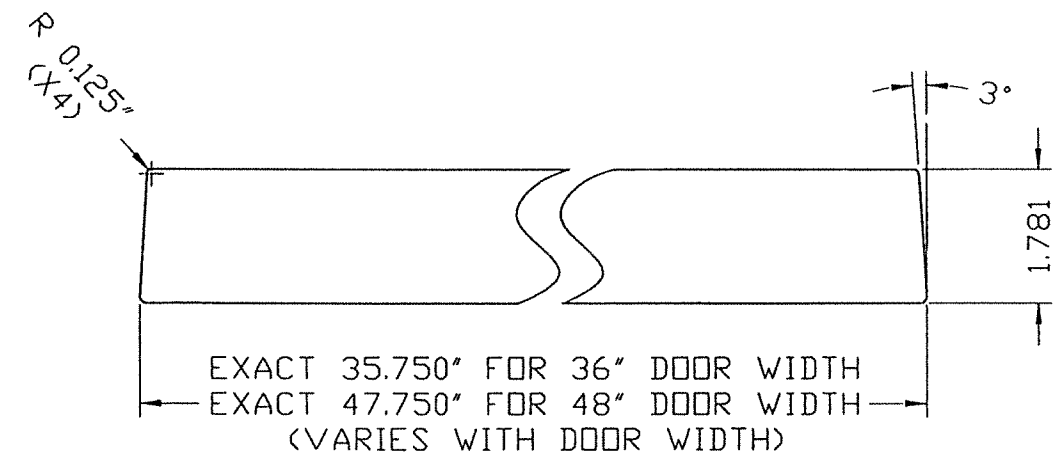
SHEET 13 OF 19



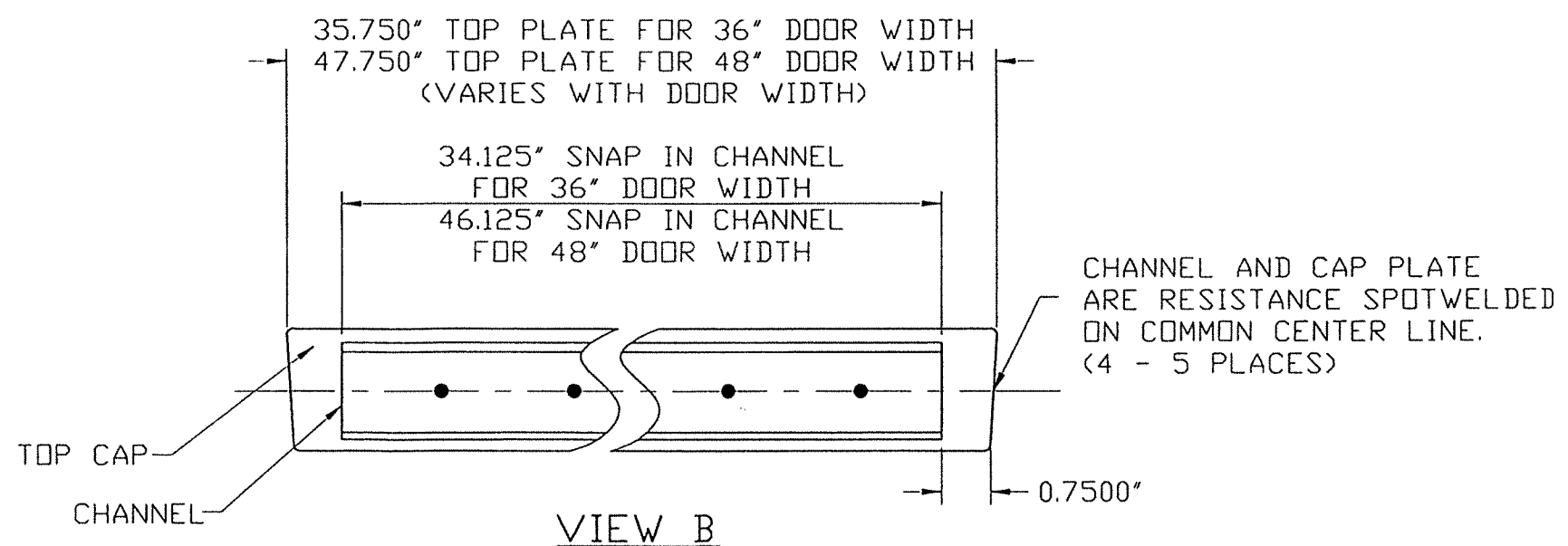
DETAIL A
SNAP IN CHANNEL



ASSEMBLY (ISOMETRIC)
(SNAP IN CHANNEL WITH TOP CAP)



STANDARD TOP CAP



VIEW B

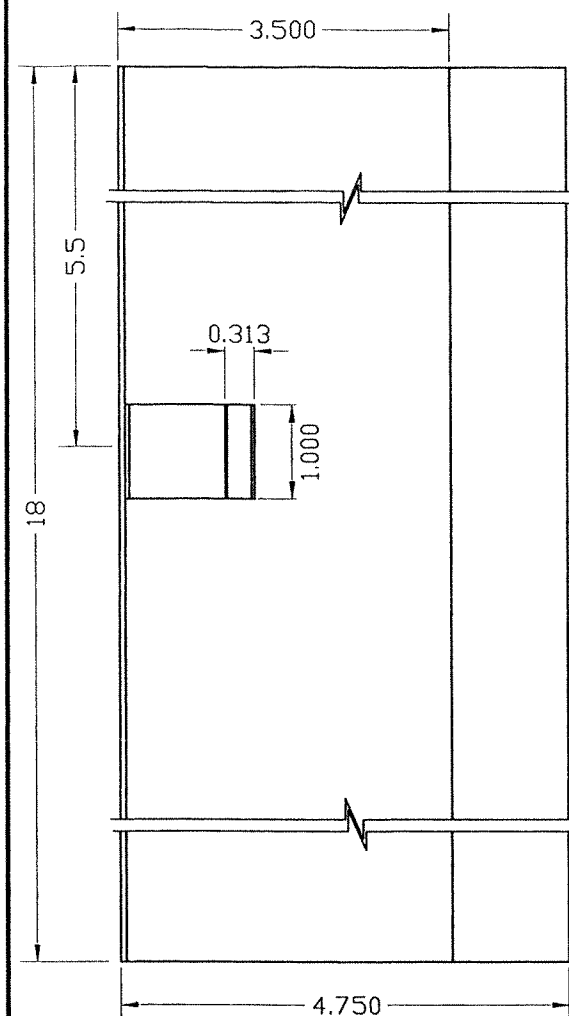
28 DOOR SNAP IN TOP CAP DETAIL

MATERIAL: 20 GA GALVANNEAL STEEL ASTM A-653, A-60 DR STAINLESS STEEL FOR BOTH PIECES.

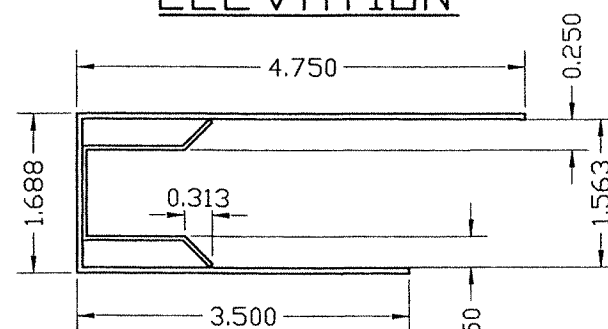
INSTALLATION OPTIONS:
(A) CAULK AND PRESSFIT
(B) CAULK, PRESSFIT AND TACK WELD

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

PRODUCT REVISED As complying with the Florida Building Code NOA-No. 26-0226.02 Expiration Date: 04/07/2031 By: <i>Manuel Perez</i> Miami-Dade Product Control MIAMI-DADE COUNTY	No. 44167 STATE OF FLORIDA <i>3/25/2026</i> P.E. SEAL/SIGNATURE/DATE	©2023 TILTECO, INC. TILTECO inc. TILLIT TESTING & ENGINEERING COMPANY 6355N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone: (305)871-1530 Fax: (305)871-1531 e-mail: tilteco@oci.com CA-0006719 WALTER A. TILLIT Jr. P.E. FLORIDA Lic. # 44167	DOUBLE & SINGLE SERIES LS18 OUTSWING COMMERCIAL GALVANNEAL OR STAINLESS STEEL DOOR W/ SERIES "AS" 16 GAGE GALVANNEAL OR STAINLESS STEEL FRAME FLUSH, EMBOSSED & GLAZED ASSEMBLIES - L.M. DAYBAR INDUSTRIES LTD 50 WEST DRIVE, BRAMPTON, ON CANADA, L6T 2J4 TEL: 905 625-8000 FAX: 905 625-4204 <table border="1"> <thead> <tr> <th>REV. No</th> <th>DESCRIPTION</th> <th>DATE</th> <th>REV. No</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>OLD 20-143</td> <td>8/9/2023</td> <td>3</td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>COMP #20</td> <td>2/12/2026</td> <td>4</td> <td></td> <td></td> </tr> </tbody> </table>	REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	1	OLD 20-143	8/9/2023	3			2	COMP #20	2/12/2026	4			DRAWN BY: W.H. 8/9/2023 DATE 23-168 DRAWING No SHEET 14 OF 19
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE																	
1	OLD 20-143	8/9/2023	3																			
2	COMP #20	2/12/2026	4																			



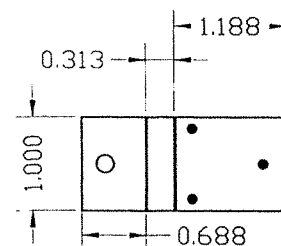
ELEVATION



PLAN

MATERIAL:
ALL GALVANNEAL STEEL OR
STAINLESS STEEL

**(23) ANSI #A115.1 #86 MORTISE
LOCK (12) /RIM PANIC (11) REINFORCING**



**DOOR EDGE
MOUNTING TAB**

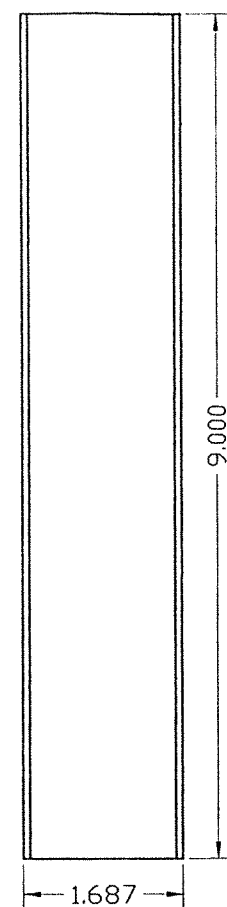
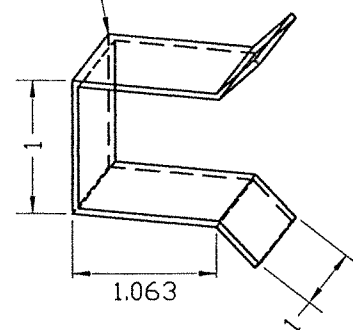
14 GA (0.074) MIN GALVANNEAL
STEEL OR STAINLESS STEEL

#12-24
SCREW

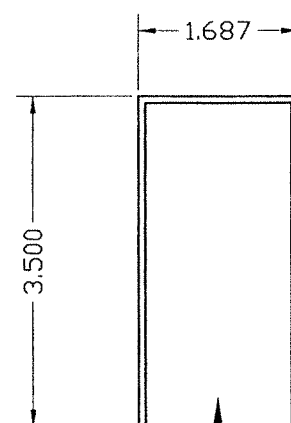
(3) 1/8"Ø
PROJECTION
WELDS

GAGE 14 (0.074) MINIMUM
RP REINFORCING SAME AS #86.
LESS LOCK CLIP & MOUNTING
TABS, GLUE W /CONTACT
ADHESIVE TO DOOR FACE

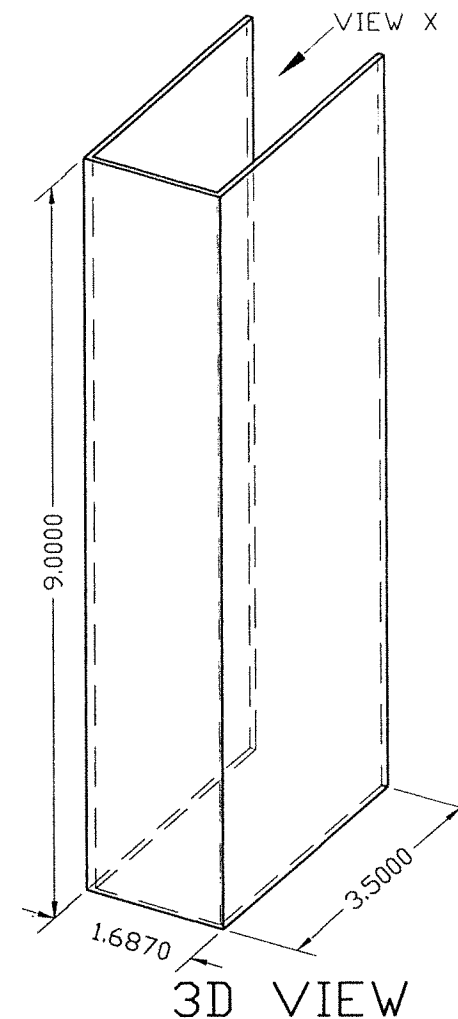
LOCK CLIP-18GA (0.045)
MIN. ONLY VALID FOR
ASSEMBLY WHERE
APPLICABLE



VIEW X



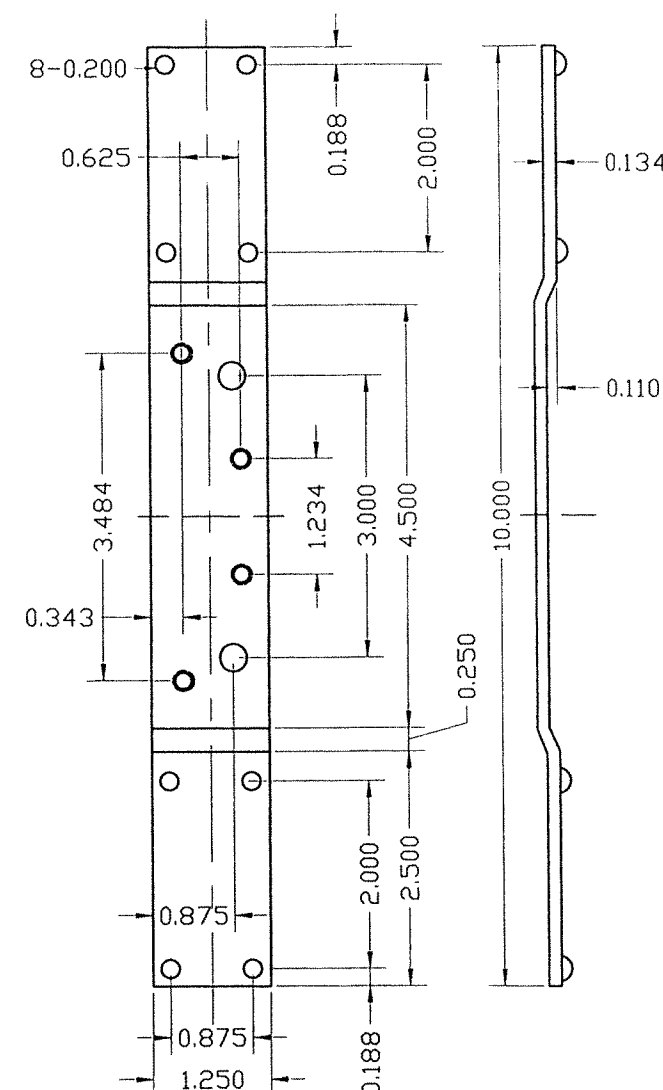
**VIEW X
PLAN**



3D VIEW

MATERIAL:
14 GAUGE (0.074) MINIMUM
GALVANNEAL STEEL OR STAINLESS
STEEL, GLUED TO DOOR AT HEAD &
SILL USING HEMILBOND 8320-1
CONTACT ADHESIVE.

**(18) DOOR SURFACE
BOLT REINFORCING
DETAIL**



**(17) 4 1/2" HINGE BAR
REINFORCING FOR DOOR**

MATERIAL:
8 GAUGE
GALVANNEAL STEEL OR
STAINLESS STEEL

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **26-0226.02**
Expiration Date: **04/07/2031**
By: *Manuel Perez*
Miami-Dade Product Control
MIAMI-DADE COUNTY

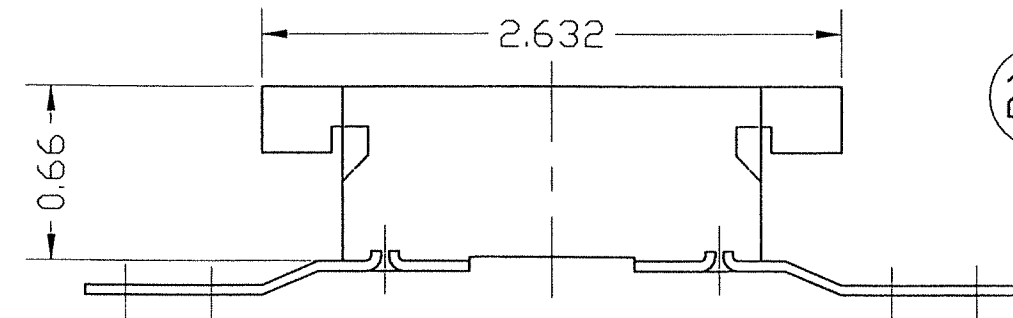
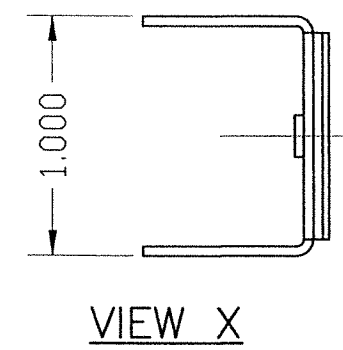
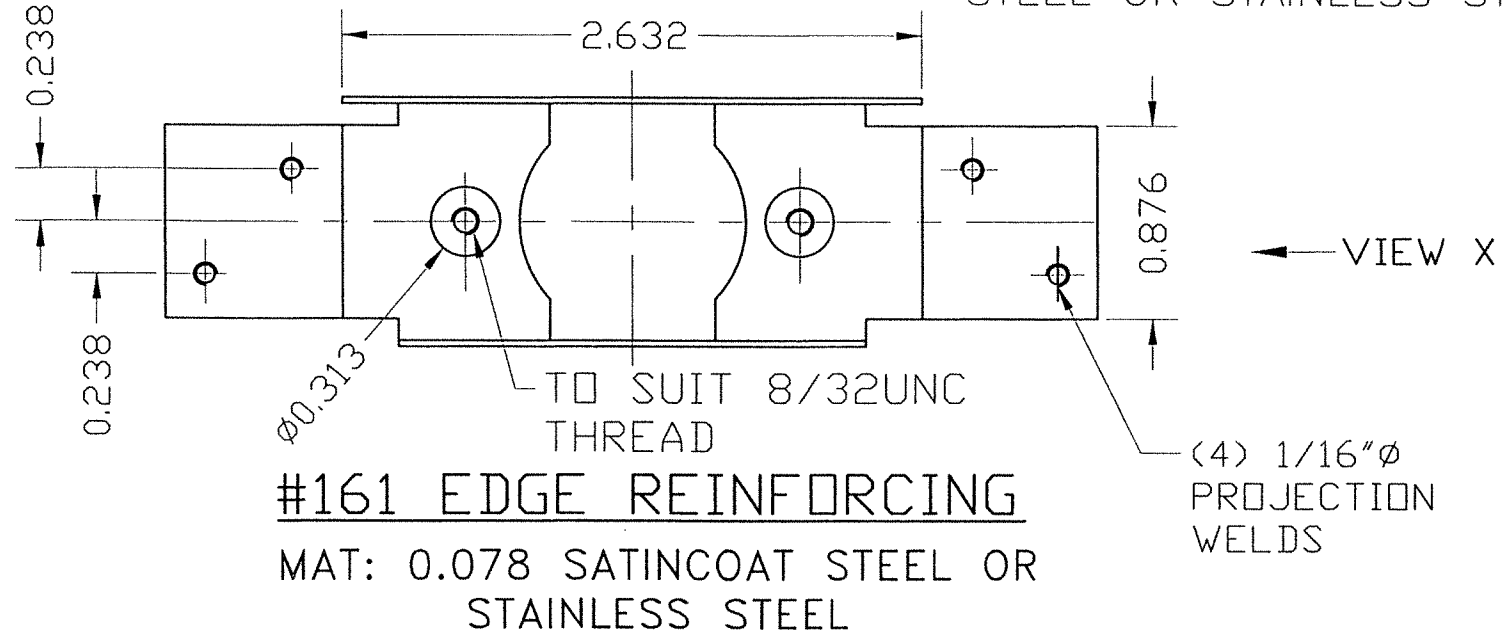
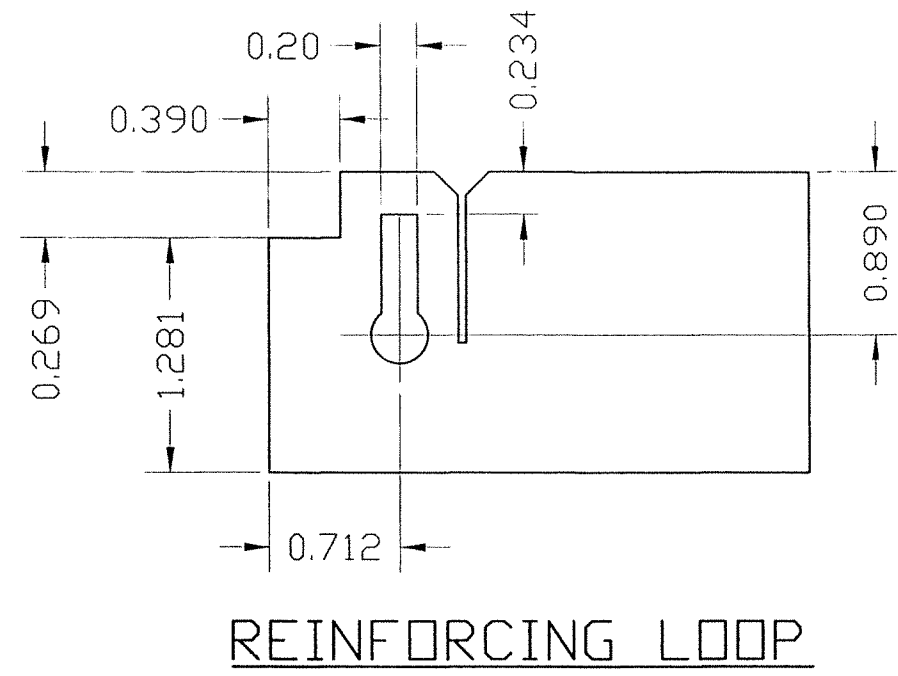
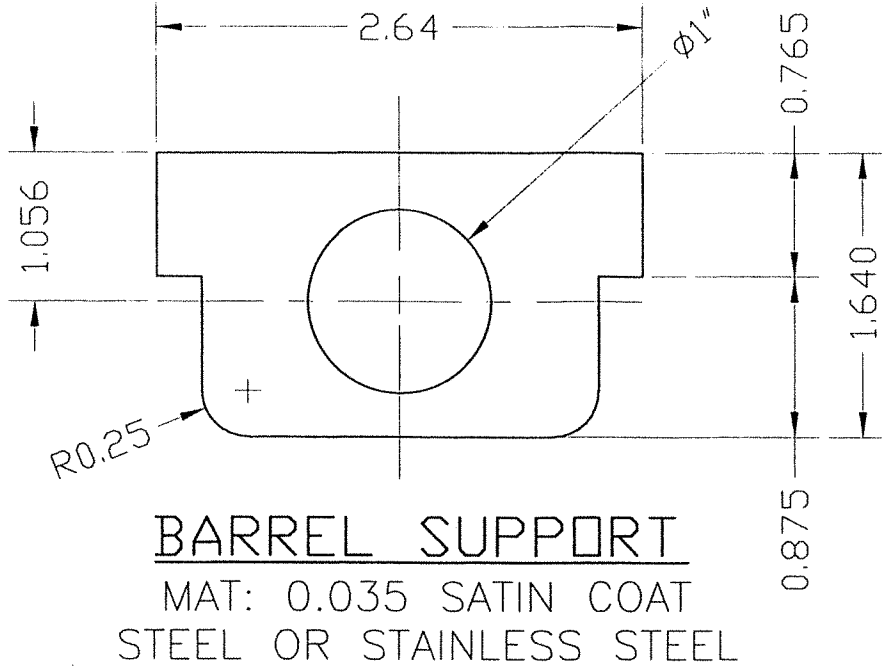
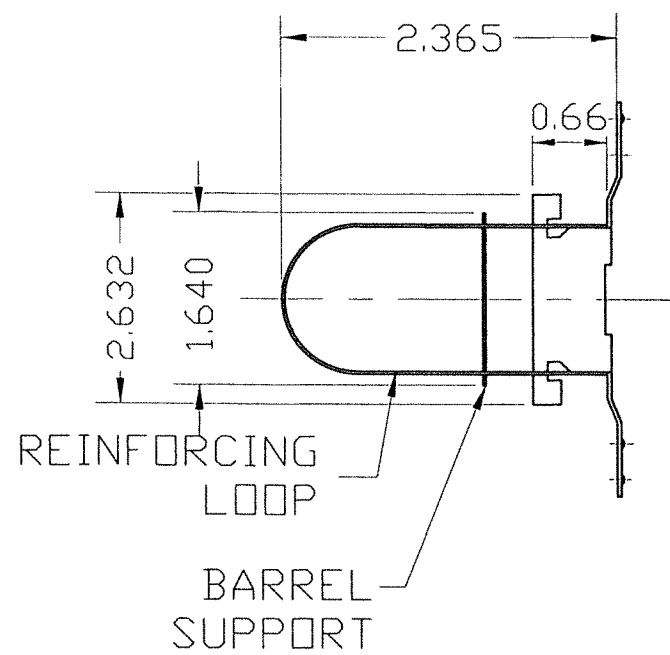
No. 44167
3/25/2026
STATE OF
P.E. SEAL/SIGNATURE/DATE

©2023 TILTECO, INC.
TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355NW. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 - Fax : (305)871-1531
e-mail: tilteco@aol.com
CA-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

DOUBLE & SINGLE SERIES LS18 OUTSWING COMMERCIAL
GALVANNEAL OR STAINLESS STEEL DOOR W/ SERIES "AS"
16 GAGE GALVANNEAL OR STAINLESS STEEL FRAME
FLUSH, EMBOSSED & GLAZED ASSEMBLIES - L.M.
DAYBAR INDUSTRIES LTD
50 WEST DRIVE, BRAMPTON,
ON CANADA, L6T 2J4
TEL: 905 625-8000
FAX: 905 625-4204

DRAWN BY:
W.H.
8/9/2023
DATE
23-168
DRAWING No
SHEET 15 OF 19

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-143	8/9/2023	3		
2	COMP #20	2/12/2026	4		



(24) #161 CYLINDRICAL LOCK AND DEAD BOLT REINFORCEMENT DETAIL

SECTION THROUGH
EDGE REINFORCING

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **26-0226.02**
Expiration Date: **04/07/2031**
By: *Manuel Perez*
Miami-Dade Product Control
MIAMI-DADE COUNTY

No. 44167
8/25/2023
P.E. SEAL/SIGNATURE/DATE

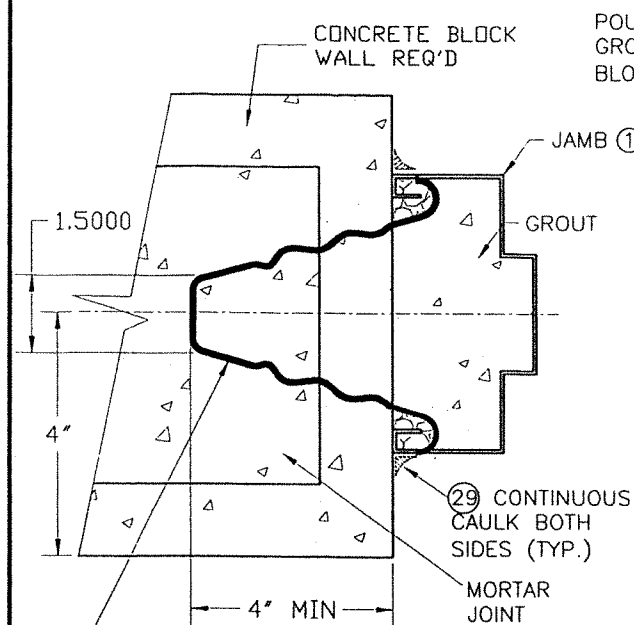
©2023 TILTECO, INC.
TILTECO inc.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
CA-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. # 44167

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

DOUBLE & SINGLE SERIES LS18 OUTSWING COMMERCIAL GALVANNEAL OR STAINLESS STEEL DOOR W/ SERIES "AS" 16 GAGE GALVANNEAL OR STAINLESS STEEL FRAME FLUSH, EMBOSSED & GLAZED ASSEMBLIES - L.M.
DAYBAR INDUSTRIES LTD
50 WEST DRIVE, BRAMPTON, ON CANADA, L6T 2J4
TEL: 905 625-8000
FAX: 905 625-4204

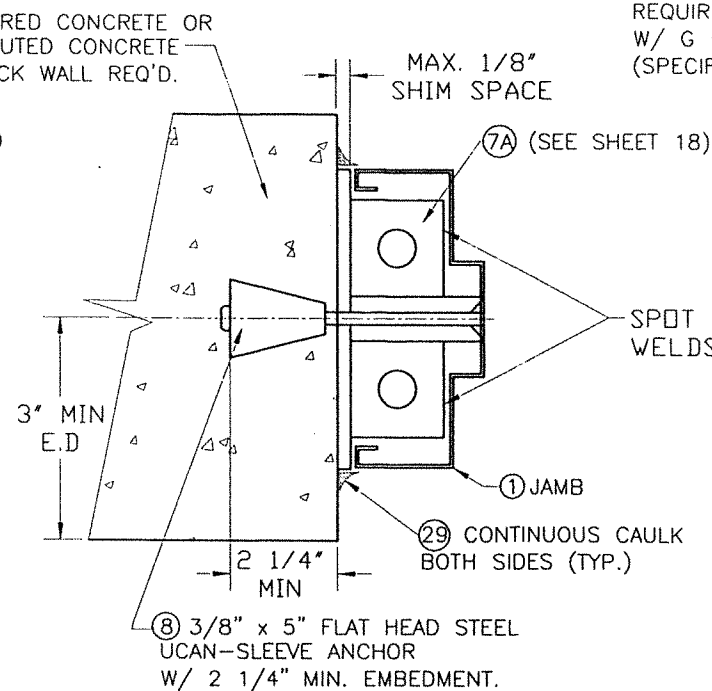
DRAWN BY: W.H.
8/9/2023
DATE
23-168
DRAWING No
SHEET 16 OF 19

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-143	8/9/2023	3		
2	COMP #20	2/12/2026	4		

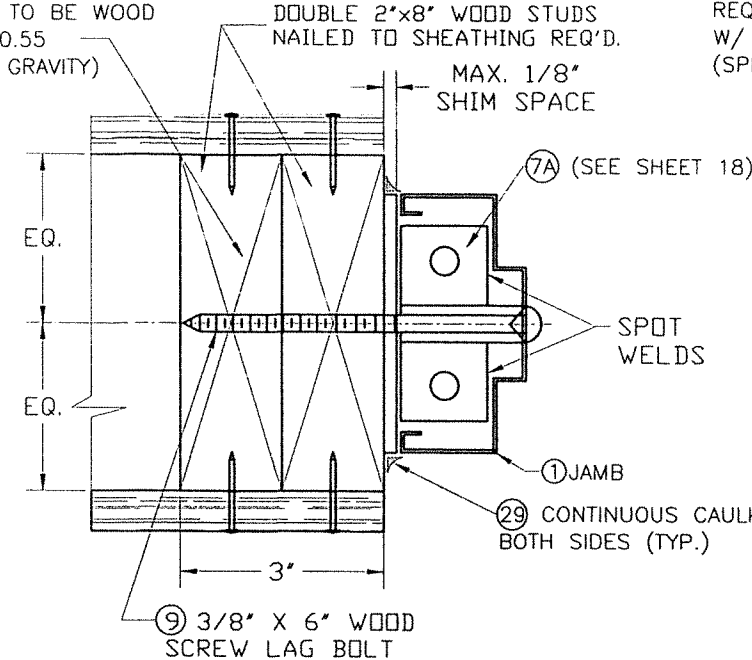


⑥ MASONRY WIRE ANCHORS IN HORIZ. MORTAR JOINTS; FILL JAMBS ① SOLID WITH GROUT PER ASTM C476 W/ MIN. COMPRESSION STRENGTH OF 2.5 Ksi (SEE SHEET 18)

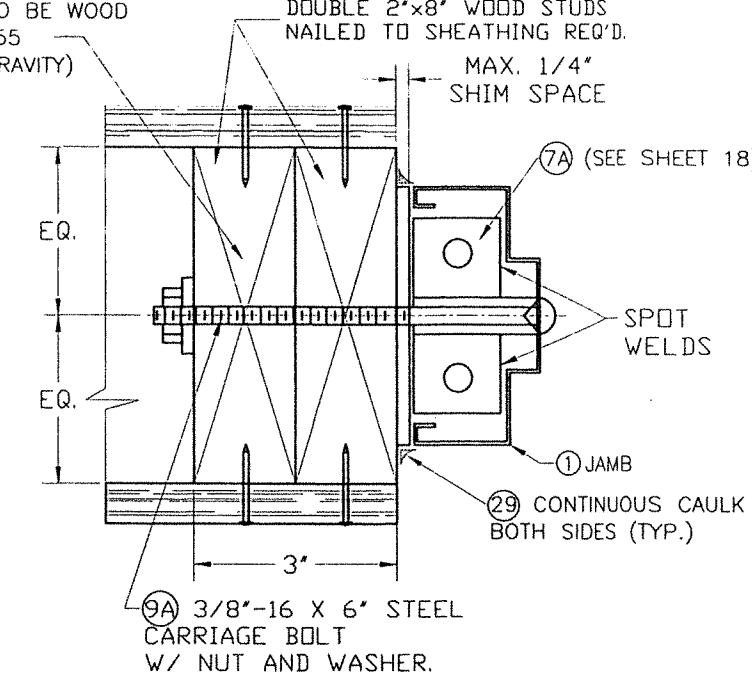
DETAIL #21
WIRE ANCHOR ⑥
INSTALLATION TO
MASONRY WALLS



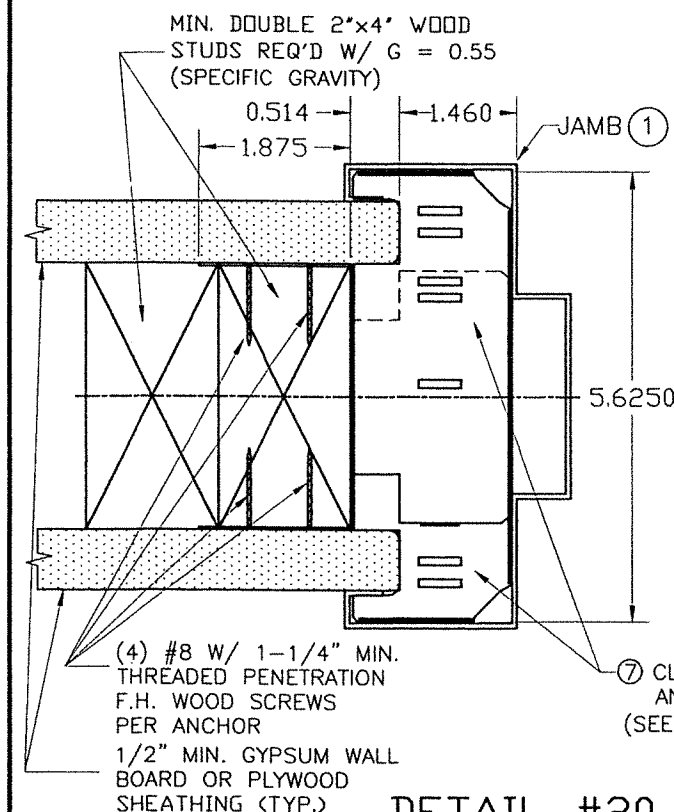
DETAIL #22
INSTALLATION OF UCAN
SLEEVE ANCHORS ⑧ TO
MASONRY WALLS



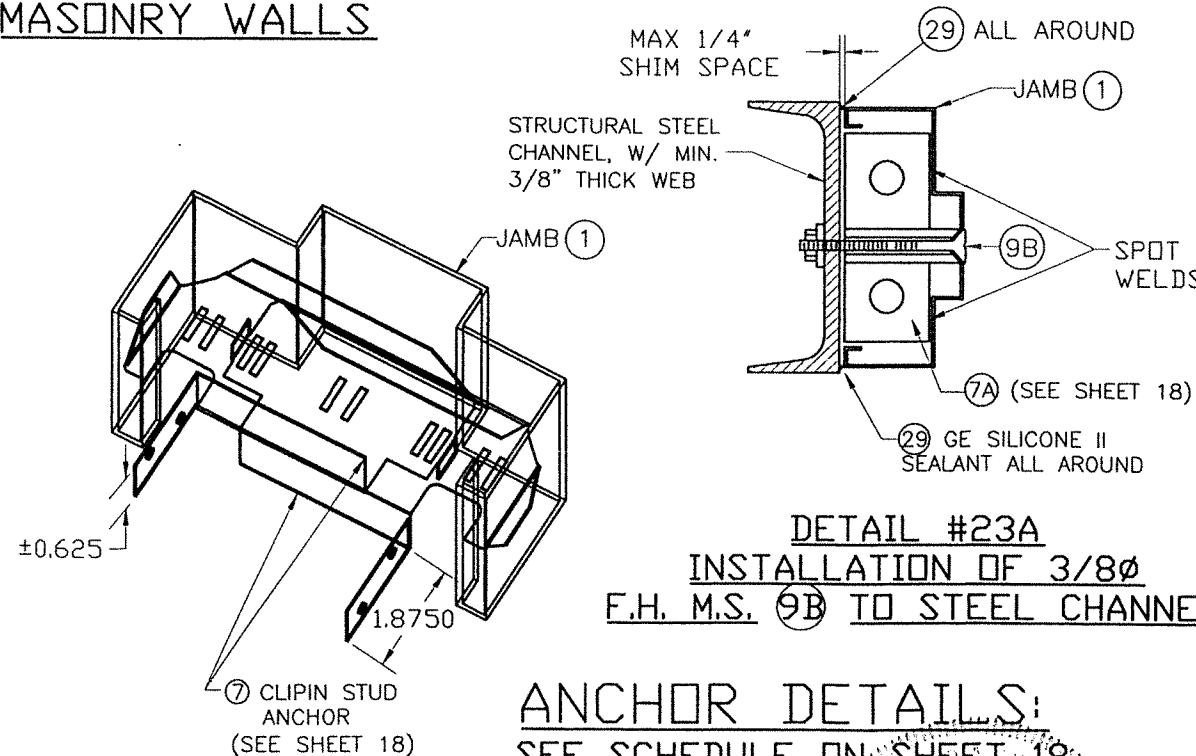
DETAIL #22A
INSTALLATION OF 3/8"Ø LAG
SCREW ⑨ TO WOOD FRAME WALLS



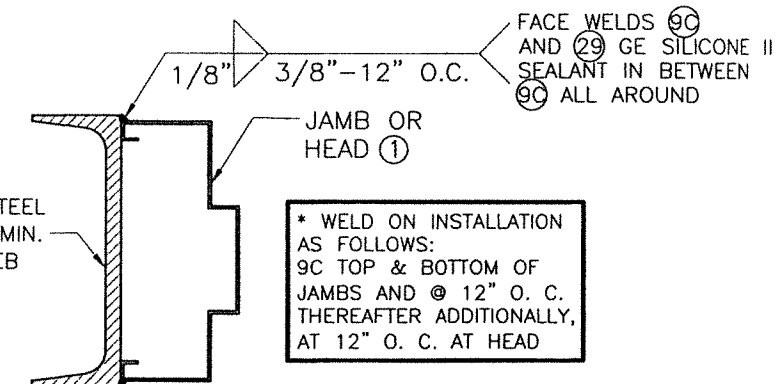
DETAIL #22B
INSTALLATION OF 3/8"Ø CARRIAGE
BOLT ⑨A TO WOOD FRAME WALLS



DETAIL #20
INSTALLATION OF 2 PIECE COMBINATION
STUD ANCHOR ⑦ INTO WOOD FRAME WALLS



DETAIL #23A
INSTALLATION OF 3/8"Ø
F.H. M.S. ⑨B TO STEEL CHANNEL



DETAIL #23B
INSTALLATION OF JAMB ① TO
STEEL CHANNEL THRU WELDING ⑨C

* WELD ON INSTALLATION AS FOLLOWS:
9C TOP & BOTTOM OF JAMBS AND @ 12" O. C. THEREAFTER ADDITIONALLY, AT 12" O. C. AT HEAD

ANCHOR DETAILS:
SEE SCHEDULE ON SHEET 18

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. 26-0226.02
Expiration Date: 04/07/2031
By: Manuel Perez
Miami-Dade Product Control
MIAMI-DADE COUNTY

No. 44167
3/25/2026
P.E. SEAL/SIGNATURE/DATE

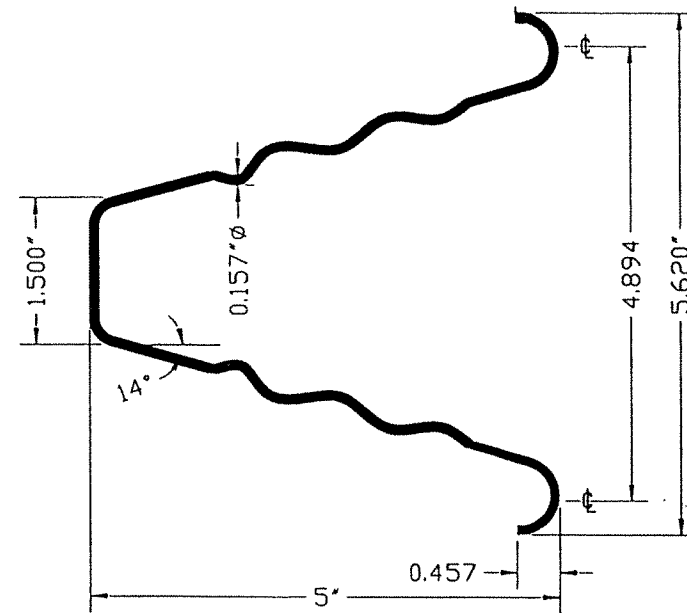
©2023 TILTECO, INC.
TILTECO Inc.
TILLIT TESTING & ENGINEERING COMPANY
6355N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 Fax : (305)871-1531
e-mail: tilteco@aol.com
CA-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

DOUBLE & SINGLE SERIES LS18 OUTSWING COMMERCIAL
GALVANNEAL OR STAINLESS STEEL DOOR W/ SERIES "AS"
16 GAGE GALVANNEAL OR STAINLESS STEEL FRAME
FLUSH, EMBOSSED & GLAZED ASSEMBLIES - L.M.
DAYBAR INDUSTRIES LTD
50 WEST DRIVE, BRAMPTON,
ON CANADA, L6T 2J4
TEL: 905 625-8000
FAX: 905 625-4204

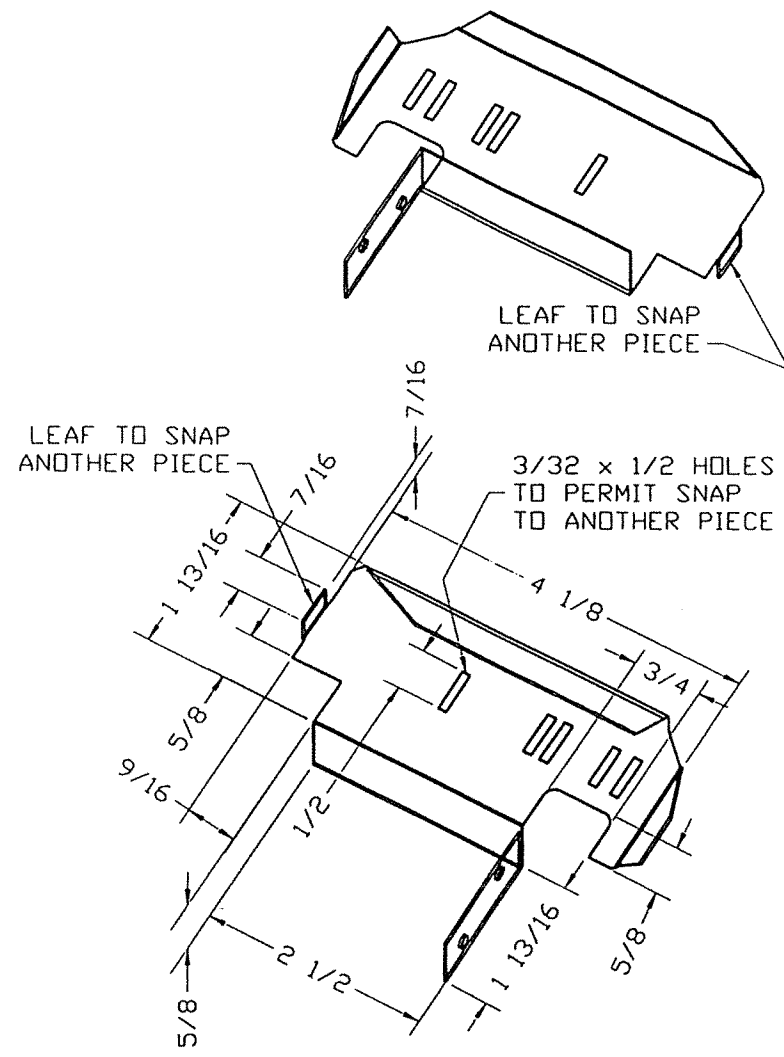
DRAWN BY:
W.H.
8/9/2023
DATE
23-168
DRAWING No

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-143	8/9/2023	3		
2	COMP #20	2/12/2026	4		

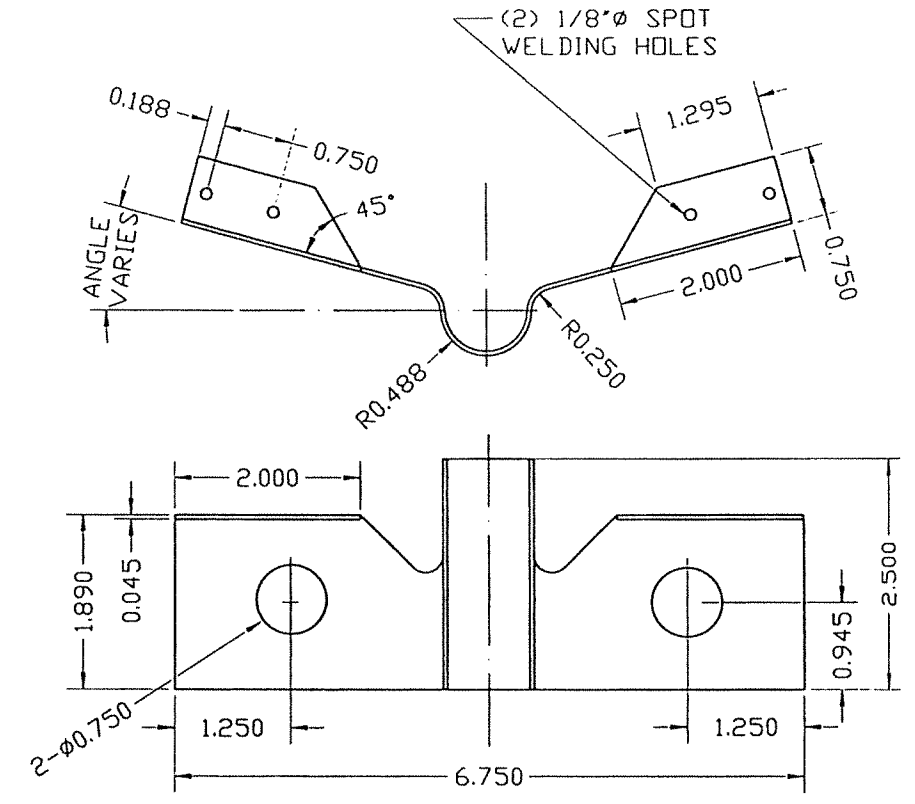
SHEET 17 OF 19



⑥ WIRE ANCHOR
FOR DETAIL #21/17
 STEEL WIRE ANCHORS
 (0.157" DIA, 9 1/2" LONG) IN HORIZ.
 Fu Min.=95.9 Ksi, Fy Min.=40.2 Ksi



⑦ 2 PIECE COMBINATION STUD
ANCHOR FOR DETAIL #20/17
 CLIPIN STUD ANCHOR MATERIAL:
 GAUGE 20 (0.035) ASTM A-653,
 A-60 GALVANNEALED STEEL.



⑦A EMA BUTTERFLY ANCHOR (PART #PT1-008)
FOR DETAILS 22/17, 22A/17 22B/17 & 23A/17
 MATERIAL: 18 GA SATIN COAT

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

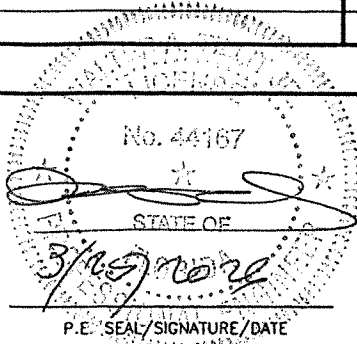
PRODUCT REVISED As complying with the Florida Building Code NOA-No. 26-0226.02 Expiration Date: 04/07/2031 By: <i>Manuel Perez</i> Miami-Dade Product Control- MIAMI-DADE COUNTY	No. 44167 STATE OF FLORIDA 3/25/2026 P.E. SEAL/SIGNATURE/DATE	©2023 TILTECO, INC. TILTECO Inc. TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 . Fax : (305)871-1531 e-mail: tilteco@aol.com CA-0006719 WALTER A. TILLIT Jr. P.E. FLORIDA Lic. # 44167	DOUBLE & SINGLE SERIES LS18 OUTSWING COMMERCIAL GALVANNEAL OR STAINLESS STEEL DOOR W/ SERIES "AS" 16 GAGE GALVANNEAL OR STAINLESS STEEL FRAME FLUSH, EMBOSSED & GLAZED ASSEMBLIES - L.M. DAYBAR INDUSTRIES LTD 50 WEST DRIVE, BRAMPTON, ON CANADA, L6T 2J4 TEL: 905 625-8000 FAX: 905 625-4204 <table border="1"> <thead> <tr> <th>REV. No</th> <th>DESCRIPTION</th> <th>DATE</th> <th>REV. No</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>OLD 20-143</td> <td>8/9/2023</td> <td>3</td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>COMP #20</td> <td>2/12/2026</td> <td>4</td> <td></td> <td></td> </tr> </tbody> </table>	REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	1	OLD 20-143	8/9/2023	3			2	COMP #20	2/12/2026	4			DRAWN BY: W.H. 8/9/2023 DATE 23-168 DRAWING No SHEET 18 OF 19
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE																	
1	OLD 20-143	8/9/2023	3																			
2	COMP #20	2/12/2026	4																			

BILL OF MATERIALS:

ITEM	QTY	DESCRIPTION	MATERIAL	SIZE AND SPEC'S
1	1	16 GAUGE JAMB/ HEAD FRAME SERIES 'AS'	16 GAUGE .058 MINIMUM. ALL COMPONENTS OF THIS ITEM, I.e., HEAD, JAMBS, REINFORCEMENTS AND ANCHORS ARE COMMERCIAL GALVANIZED STEEL (TYPE B), ASTM A653/A653M, COATING DESIGNATION A40, KNOWN COMMERCIALLY AS PAINTABLE GALVANNEAL W/ MIN. TENSILE STRENGTH 52 KSI, MIN. YIELD STRENGTH 45 KSI, ELONGATION 40% OR STAINLESS STEEL*	5 3/4' DEPTH X 2' FACE X .058' MIN THICK (SEE SHEET 9)
1A	1	16 GAUGE OPTIONAL HEAD FRAME SERIES 'AS'	SAME AS ITEM 1	5 3/4' DEPTH X 4 3/8' FACE X .058' MIN THICK (SEE SHEET 9)
1B	1	SURFACE STRIKE REINFORCING	12 GAGE GALVANNEAL STEEL OR STAINLESS STEEL*	12 GAGE (0.097' MIN.) x 1.500' x 11.875' LONG, SEE DETAIL ON SHEET 9.
2	1	18 GAUGE FLUSH/EMBOSSSED DOOR COMMERCIAL W/ CORE (20)	18 GAUGE .045 MINIMUM. ALL COMPONENTS OF THIS ITEM, I.e. FACE SHEETS, INTERNAL COMPONENTS AND REINFORCEMENTS ARE GALVANIZED STEEL CONFORMING TO ASTM A924, TO ASTM A653/A653M, COMMERCIAL STEEL (TYPE B), COATING DESIGNATION A40, KNOWN COMMERCIALLY AS PAINTABLE GALVANNEAL W/TENSILE STRENGTH 60 KSI, AND YIELD STRENGTH MIN. 45 KSI, ELONGATION 40% OR STAINLESS STEEL*	1 3/4' THICK X (.045 MIN.), SEE SHEET 4, 5, 6 & 7.
3	3	8 GAUGE DOOR HINGE REINFORCING	GALVANNEAL STEEL OR STAINLESS STEEL*	1 1/4' X 10' X 8 GAUGE
4	3	8 GAUGE FRAME HINGE REINFORCING	GALVANNEAL STEEL OR STAINLESS STEEL*	1 1/2' X 8 3/4' X 8 GAUGE
5	1	STRIKE REINFORCING (FRAME)	GALVANNEAL STEEL OR STAINLESS STEEL*	1 3/8' X 7 5/16' X 14 GAUGE (.072 MIN)
6	AS REQ'D	WIRE MASONRY FRAME ANCHORS	STEEL W/ MIN. YIELD STRENGTH = 40.2KSI AND MIN. TENSILE STRENGTH = 95.9 KSI	9 1/2' LONG X 0.157' MIN. DIAMETER.
7	AS REQ'D	CLIPIN STUD ANCHORS (2 PIECE COMBINATION)	STEEL, ASTM A-653, A-60 GALVANNEAL	1 7/8' X 5 5/8' X 20 GAUGE (.035 MIN) W/ (4)#8 X 1 5/8' WOOD SCREWS
7A	AS REQ'D	EMA BUTTERFLY ANCHOR (PART #PT1-008)	STEEL	18 GAUGE STEEL SATIN COAT.
8	AS REQ'D	EMA ANCHOR BOLTS	STEEL, W/ Fy = 45,000 psi.	3/8' X 5' STEEL UCAN-SLEEVE ANCHOR
9	AS REQ'D	WOOD SCREW LAG BOLT	STEEL, W/ Fy = 45,000 psi.	3/8' x 6'
9A	AS REQ'D	CARRIAGE ANCHOR BOLT	STEEL, W/ Fy = 45,000 psi.	3/8"-16 X 6' STEEL CARRIAGE BOLT C/W NUT AND WASHER, PER ASTM A-307
9B	AS REQ'D	F.H. M.S. TO STEEL CHANNEL THROUGH BOLTING	STEEL, W/ Fy = 45,000 psi.	3/8' X 3 1/2' STEEL F.H. M.S., PER ASTM A-307
9C	AS REQ'D	STEEL CHANNEL WELDING	E60XX ELECTRODE FOR GALVANNEAL STEEL,E-308 ELECTRODES FOR STAINLESS STEEL*	WELD ON INSTALLATION, MIN. 1/8"x3/8" STITCH WELD
10	3	HINGES-HAGER BB1279, BB1168HD OR STANLEY FBB179, FBB168	STEEL	4.5' X 4.5' STANDARD WEIGHT (.134 THICK), ATTACHED TO FRAME W/(4) 12-24x1/2' FHMS.
11	1	RIM EXIT: VON DUPRIN 98/99L X CYC X TRIM W/ 499 STRIKE PLATE	AS PER MANUFACTURER'S CATALOG	RIM EXIT ATTACHED TO DOOR W/(4) 1/4-20x1' MS. (2) STRIKE PLATES EA. MULLION
12	1	MORTISE LOCK: SCHLAGE-L9000 SERIES W/ DEAD BOLT	AS PER MANUFACTURER'S CATALOG	MORTISE LOCK ATTACHED W/(2) #12-24x1/2' SREWS.
13	1	CYLINDRICAL LOCK: - SCHLAGE D SERIES	AS PER MANUFACTURER'S CATALOG	ATTACHED TO STRIKE PLATE W/(2) 12-24x1/2' SCREWS.
14	1	DEAD BOLT: - SCHLAGE B SERIES	AS PER MANUFACTURER'S CATALOG	ATTACHED TO STRIKE PLATE W/(2) 8-32x1/2' SCREWS
15	1	VON DUPRIN #9954 REMOVABLE MULLION	0.125' THICK A 500 GRADE B STEEL	SECURED TO 499 STRIKE PLATE WITH (8) 5/16"-18x1'(MIN.) MACHINE SCREWS.
15A	1	WEATHER STRIP (NATIONAL GUARD PRODUCTS #120NA)	NEOPRENE	SECURED WITH DOUBLE ROW OF #6x1/2" SMS SCREWS @ 1' FROM EACH END AND 4' O.C. (AS PREDRILLED BY MANUFACTURER)
16	1	THRESHOLD (NATIONAL GUARD PRODUCTS #950NA)	EXTRUDED ALUMINUM (6063-T5 ALLOY)	5' x 0.500" x 0.080" THICK, ATTACHED TO SLAB W/ 3/16"x 1 3/4' F. H. TAPCON ANCHORS W/ 1 1/4' MIN. EMBEDMENT LOCATED @ 2 3/4' FROM EACH END AND 10' O. C.
17	1	4 1/2' HINGE BAR REINFORCING FOR DOOR	GALVANNEAL STEEL OR STAINLESS STEEL*	1.25' x 10' x 0.134' MIN. THICK
18	1	DOOR SURFACE BOLT REINFORCING	GALVANNEAL STEEL OR STAINLESS STEEL*	14 GAGE (0.074") x 1.687' x 3.500' x 9.000' LONG.
19	AS REQ'D	3/8' LEXAN VISION LITE	AS PER MANUFACTURER (DAYBAR INDUSTRIES, LTD)	SEE SHEET 8 FOR DETAILS & COMPONENTS
19A	AS REQ'D	1/2' LEXAN VLF-EZ-IG VISION LITE	AS PER MANUFACTURER (AIR LOUVERS, INC.)	SEE SHEET 8 FOR DETAILS & COMPONENTS
20	1	0.75' THICK EXPANDED POLYSTYRENE DOOR CORE OR 3/4' CELL PAPER HONEYCOMB.	0.75' THICK DOOR CORE: EXPANDED POLYSTYRENE SOLID SLAB RIGID BOARD TYPE 1. PCF CONFORMING TO ASTM C578 BY DYPLAST PRODUCTS LLC, OR 3/4' CELL PAPER HONEYCOMB, BY AXOR, W/ 117GR/ SQ.M. WEIGHT.	BONDED TO FACE SHEET WITH CONTACT ADHESIVE HELMIBOND # 8320-1 APPLICATION RATE OF 7 GRAMS PER SQUARE FOOT ON ALL CORES
21	4	8' LONG # 275 D HAGER SURFACE BOLT	STEEL W/ US26D FINISH	ENGAGED TO THE DOOR AT TOP AND BOTTOM TO HEADER & THRESHOLD RESPECTIVELY & FASTENED TO DOOR W/ (4) #10-24 x 1 1/2' THRU BOLT EACH CONNECTION.
22	AS REQ'D	TAPCON ANCHORS	STEEL	3/16' x 1 3/4'
23	1	MORTISE LOCK AND RIM PANIC DEVICE REINFORCEMENT	0.074' MIN. THICK GALVANNEAL STEEL OR STAINLESS STEEL*	SEE SHEET 15 FOR SUBCONJUNTS
24	1	#161 CYLINDRICAL LOCK AND DEAD BOLT REINFORCEMENT	SATIN COAT STEEL OR STAINLESS STEEL*	SEE SHEET 16 FOR DETAILS
25	1	DOOR SURFACE CLOSER REINFORCEMENT	0.074' MIN. THICK GALVANNEAL STEEL OR STAINLESS STEEL*	14 GAGE (0.074' MIN.) x 3 1/2' x 1.6875 x 16.250' LONG.
26	1	DOOR TOP/ BOTTOM END CHANNEL	16 GAGE GALVANNEAL STEEL OR STAINLESS STEEL*	16 GAGE (0.057' MIN.) x 1.8125' x 1.4375.
27	1	2' ASTRAGAL	0.075' MIN. THICK A 500 GRADE B GALVANNEAL STEEL OR STAINLESS STEEL*	0.075' MIN. THICK x 2.00' x (2)0.625' x 84' LONG.
28	1	DOOR SNAP IN TOP CAP	20 GAGE GALVANNEAL STEEL ASTM A-653, A-60 OR STAINLESS STEEL*	SEE SHEET 14 FOR SIZES
29	AS REQ'D	CAULKING: GE SILICONE II	N/A	
30	AS REQ'D	995 DOW CORNING STRUCTURAL SILICONE	N/A	

* AISI 304 SERIES STAINLESS STEEL
WITH Fy =45.75 Ksi
AND Fu= 101.38 Ksi

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **26-0226.02**
Expiration Date: **04/07/2031**
By: *Manuel Perez*
Miami-Dade Product Control
MIAMI-DADE COUNTY



©2023 TILTECO, INC.
TILTECO inc.
TILLIT TESTING & ENGINEERING COMPANY
6355N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
CA-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. # 44167

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

DOUBLE & SINGLE SERIES LS18 OUTSWING COMMERCIAL
GALVANNEAL OR STAINLESS STEEL DOOR W/ SERIES "AS"
16 GAGE GALVANNEAL OR STAINLESS STEEL FRAME
FLUSH, EMBOSSSED & GLAZED ASSEMBLIES - L.M.
DAYBAR INDUSTRIES LTD
50 WEST DRIVE, BRAMPTON,
ON CANADA, L6T 2J4
TEL: 905 625-8000
FAX: 905 625-4204

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-143	8/9/2023	3		
2	COMP #20	2/12/2026	4		

DRAWN BY:
W.H.
8/9/2023
DATE
23-168
DRAWING No