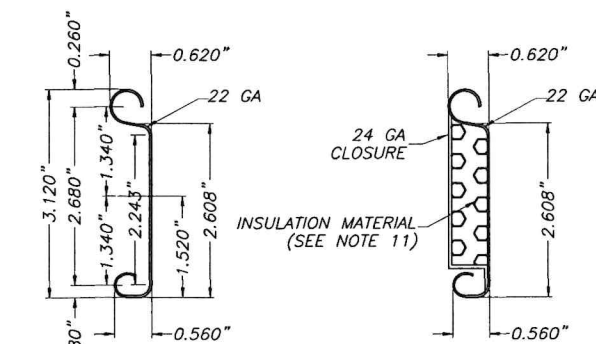
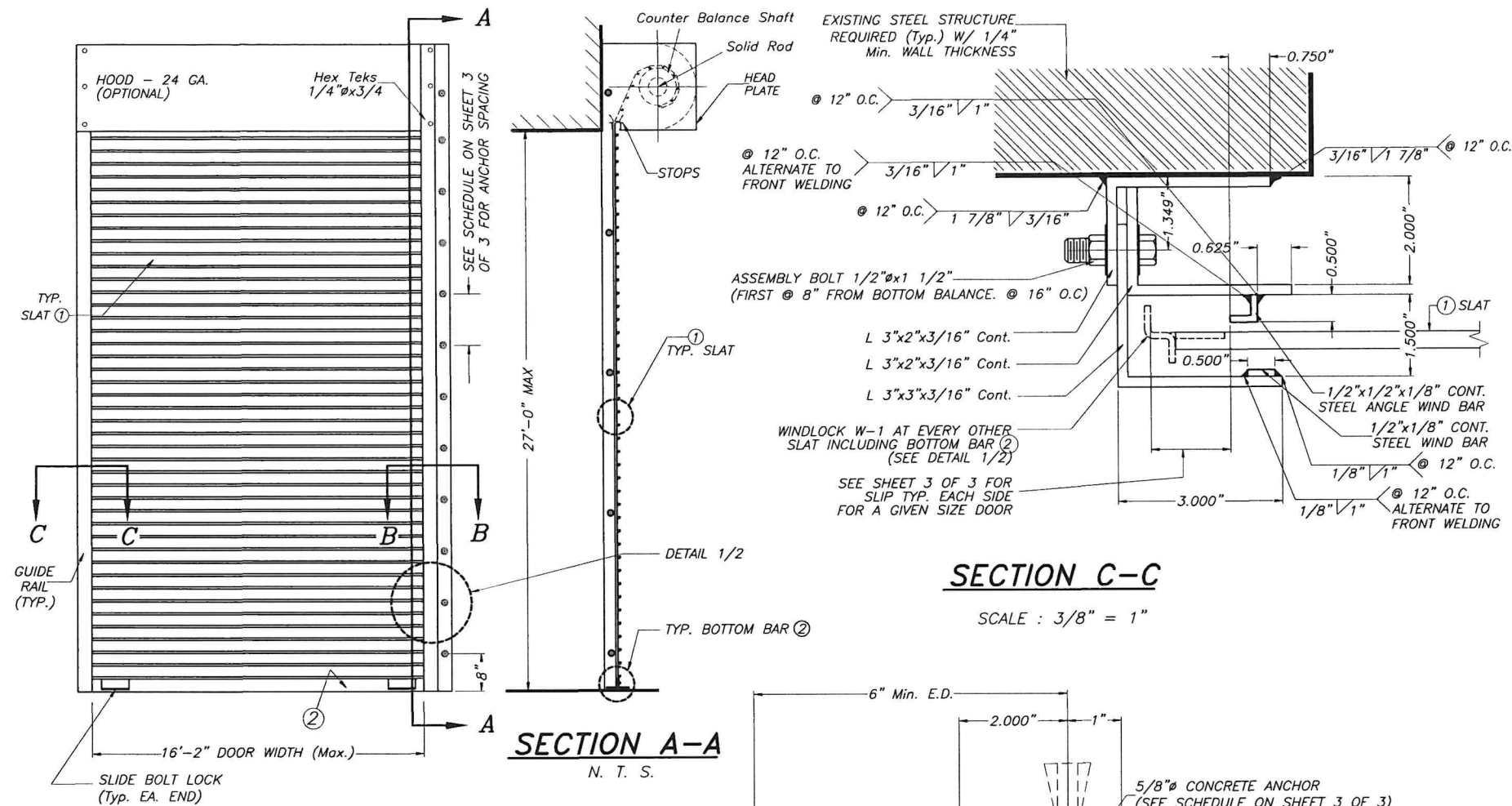
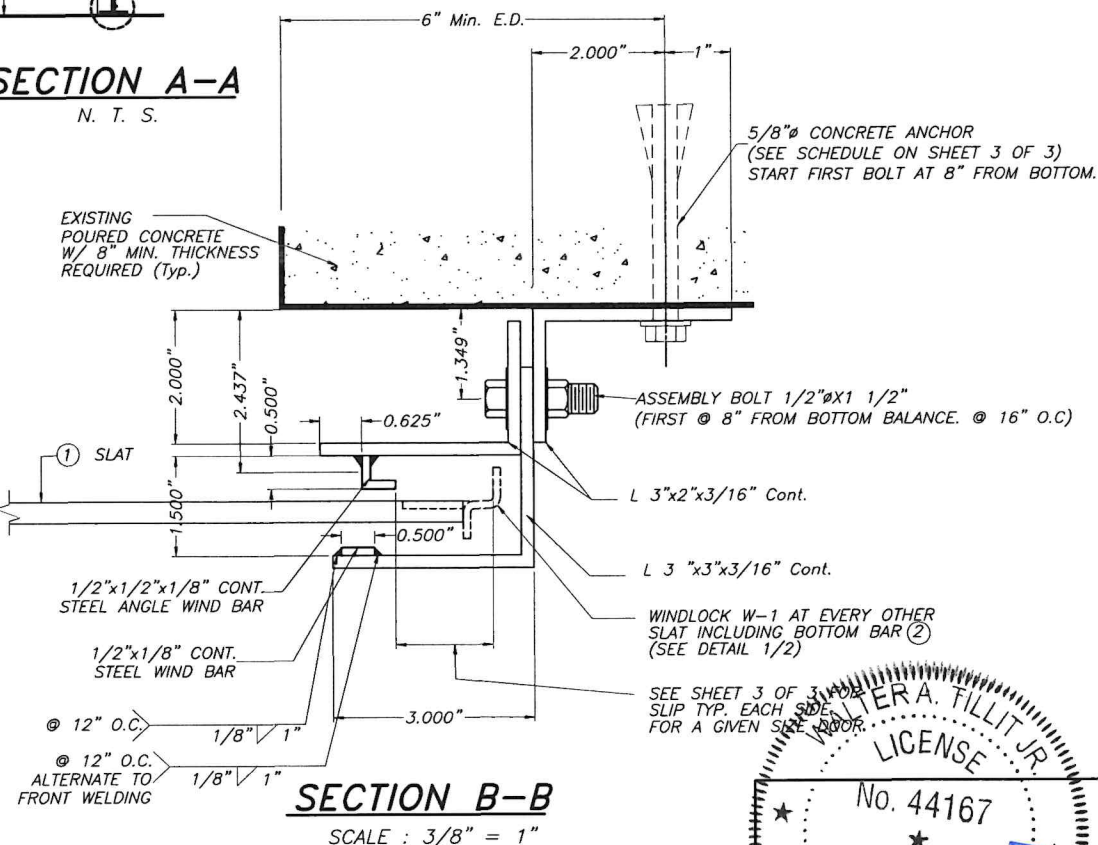




1 FLAT SLAT
SCALE: 1/2" = 1"



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

GENERAL NOTES:

1- ROLL-UP DOOR SHOWN ON THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) HAS BEEN VERIFIED FOR CODE COMPLIANCE IN ACCORDANCE WITH THE 2026 (9th EDITION) OF THE FLORIDA BUILDING CODE. DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1620 OF THE ABOVE MENTIONED CODE, FOR A WIND SPEED AS REQUIRED BY THE JURISDICTION WHERE THESE DOORS WILL BE INSTALLED AND FOR A DIRECTIONALITY FACTOR $K_d=0.85$. USING ASCE 7-22 AND SHALL NOT EXCEED THE MAXIMUM (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON THIS NOTE 1.

IN ORDER TO VERIFY THE ABOVE CONDITION, ULTIMATE DESIGN WIND LOADS DETERMINED PER ASCE 7-22 SHALL FIRST BE REDUCED TO A.S.D. DESIGN WIND LOADS BY MULTIPLYING THEM BY 0.6 IN ORDER TO TO COMPARE THESE WITH MAX. (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON THIS NOTE 1.

ROLL-UP DOOR'S ADEQUACY FOR IMPACT AND FATIGUE RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1626 OF THE ABOVE MENTIONED CODE AS PER FENESTRATION TESTING LABORATORY, INC. REPORT # 5081, PER TAS-201, TAS-202 & TAS-203 PROTOCOLS.

MAX. A.S.D. DESIGN PRESSURE RATING: +65.0, -65.0 PSF, 9Lb, 2"x4" 50ft/Sec MISSILE

- 2- SLAT SHALL BE A.S.T.M. A-653 GR 50 STRUCTURAL QUALITY STEEL WITH MIN $F_y = 50.0$ ksi. AND G-90 GALVANIZING PER A.S.T.M. A-653, OR A.I.S.I. 304 SERIES STAINLESS STEEL MANUFACTURED WITH A MINIMUM YIELD STRENGTH OF $F_y = 50.0$ ksi.
- 3- ALL STEEL ANGLES SHALL BE A.S.T.M. A-36 DESIGNATION, SHOP PRIMED AGAINST CORROSION PRIOR TO INSTALLATION.
- 4- WINDLOCKS SHALL BE "MALLEABLE IRON" $F_y = 42$ ksi OR A.I.S.I. DESIGNATION STEEL W/ $F_y = 40$ ksi., CHROME OR NICKEL PLATED.
- 5- ALL ASSEMBLY BOLTS SHALL BE S.A.E. GRADE 2 GALVANIZED STEEL WITH 1000 hrs CORROSION RESISTANCE PER ASTM B-117.
- 6- STEEL WINDBARS SHALL BE A.S.T.M. A-36 DESIGNATION, SHOP PRIMED PRIOR TO INSTALLATION.
- 7- HOOD SHALL BE 24 GA. A.S.T.M. A-653 DESIGNATION G-90 FINISH TYPE COATING.
- 8- ALL RIVETS SHALL BE A.I.S.I. C1006 SPHERODIZED ANNEALED ALUMINUM LOW CARBON COLD HEADING QUALITY STEEL, WITH 1000 hrs CORROSION RESISTANCE PER ASTM B-117, W/ 55.0 ksi. MINIMUM TENSILE STRENGTH, AS MANUFACTURED BY UNIVERSAL RIVET, INC.
- 9- CONCRETE ANCHORS TO BE AS PER SHEET 3 OF 3 AND SHALL BE INSTALLED FOLLOWING ALL OF THE RECOMMENDATIONS AND SPECIFICATIONS OF THE ANCHOR'S MANUFACTURER. ANCHORS IN CONFORMANCE WITH SECTION 1711 OF THE FLORIDA BUILDING CODE.
- 10- ALL WELDING SHALL CONFORM TO AMERICAN WELDING SOCIETY'S AWS D1.1 REGULATIONS. USE A.W.S. A5.1 OR A5.5 E60XX ELECTRODES MIN. 3/16" FILLET SIZE.
- 11- INSULATION MATERIAL SHALL BE EPS-EXPANDED POLYSTYRENE INSULATION, MANUFACTURED BY DYPLAST PRODUCTS LLC., WITH MIAMI DADE COUNTY PRODUCT APPROVAL.
- 2- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT THE EXISTING STRUCTURE IS DESIGNED TO SUPPORT V_x AND V_y FORCES AT BOTH JAMBS. SEE SCHEDULE ON SHEET 3 OF 3, FOR V_x & V_y VALUES.
- 13- ROLL-UP MECHANISM IS NOT PART OF THIS APPROVAL.
- 14- (A) THIS P.E.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.E.D.
(B) THE CONTRACTOR IS TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS P.E.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 P.E.D. WILL BE CONSIDERED INVALID IF MODIFIED.
(D) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHO WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER, SHALL SUBMIT TO THE LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
(E) ORIGINAL P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD WHO PREPARED IT.
- 15- PRODUCTS' MANUFACTURER LABEL SHALL BE LOCATED AT A READILY VISIBLE LOCATION ON THE DOOR. ONE LABEL SHALL BE PLACED FOR EVERY OPENING. LABELING SHALL COMPLY WITH SECTION 1709.5.2.1.1 OF THE FLORIDA BUILDING CODE.

Florida Building Code (High Velocity Hurricane Zone)

16'-2" MAX. 22 GAGE SLAT ROLL-UP DOOR
L.M.I

DRAWN BY:
W.H.

ROLLING DOOR INDUSTRIES, LLC.!

6/19/2026
DATE

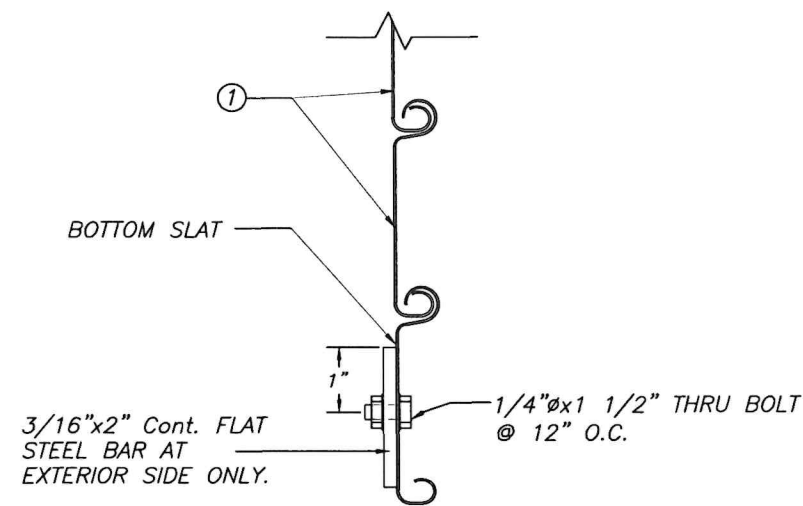
26-047
DRAWING No

SHEET 1 OF 3

©2026 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

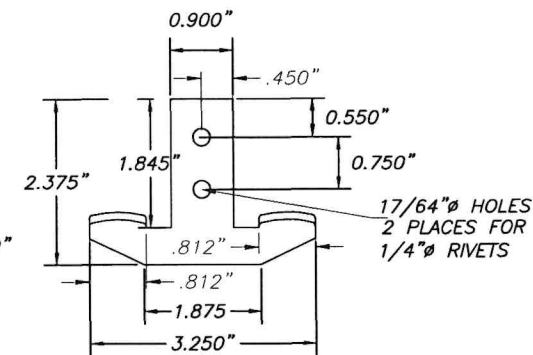
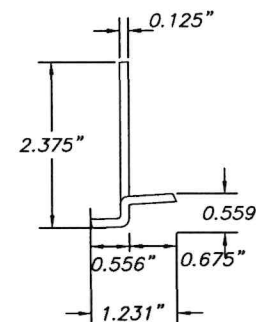
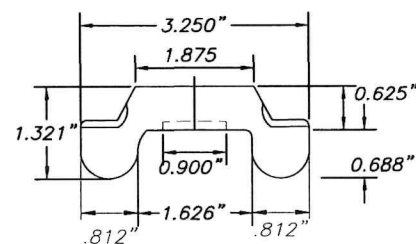
WALTER A. TILLIT JR.
LICENSE
No. 44167
STATE OF FLORIDA
PROFESSIONAL ENGINEER
P.E. SEAL/SIGNATURE/DATE



SECTION X1

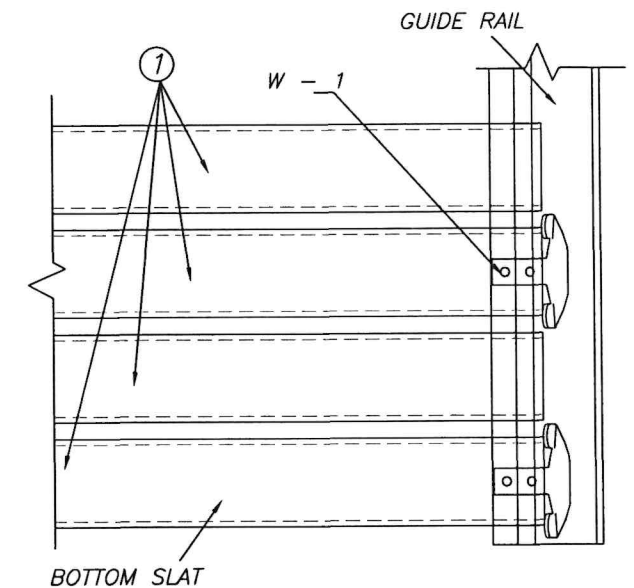
② BOTTOM BAR DETAIL

SCALE : 3/8" = 1"



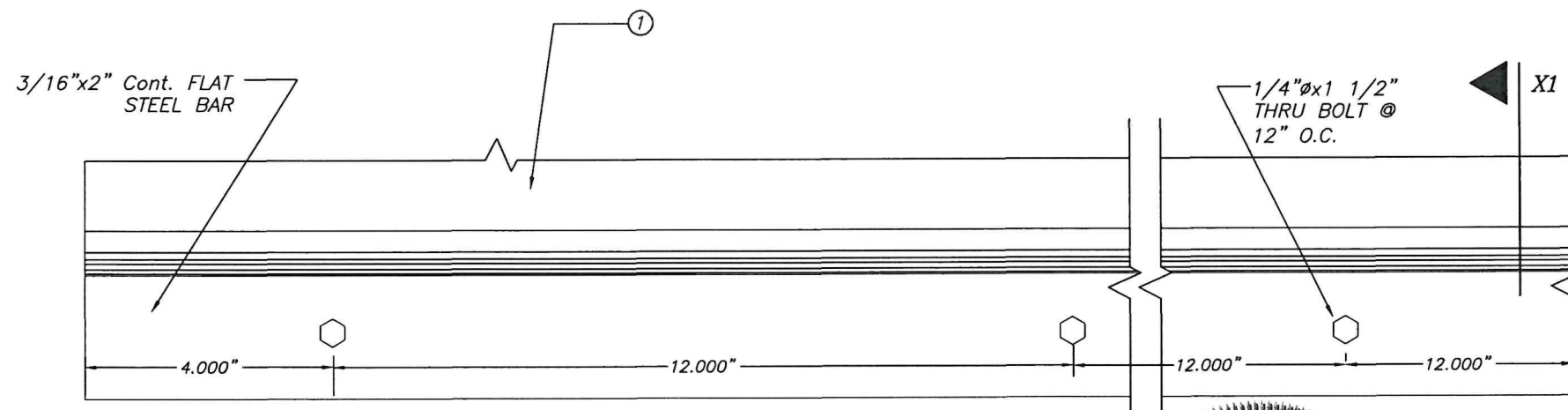
TYPICAL WINDLOCK W - 1 DETAIL

SCALE : 3/8" = 1"



DETAIL 1 (elevation)

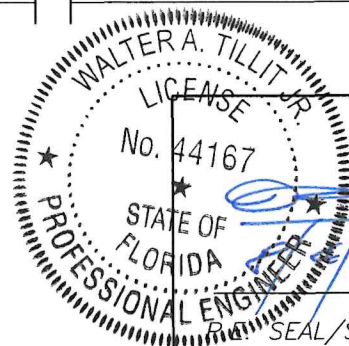
N. T. S.



ELEVATION

BOTTOM BAR ②

SCALE : 3/8" = 1"



© 2026 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)

16'-2" MAX. 22 GAGE SLAT ROLL-UP DOOR
L.M.I

ROLLING DOOR INDUSTRIES, LLC.!

8214 NW 64 ST
MIAMI, FL. 33166

PH: 305-599-9977 FAX: 305-599-9979

DRAWN BY:
W.H.

6/19/2026
DATE

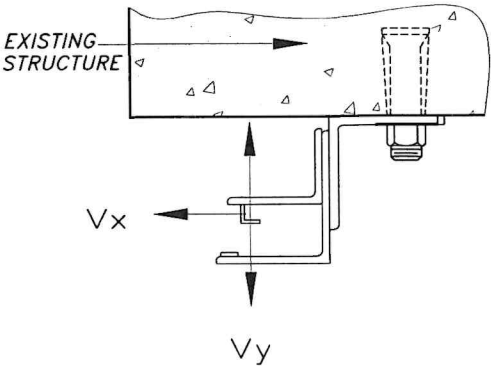
26-047
DRAWING No

SHEET 2 OF 3

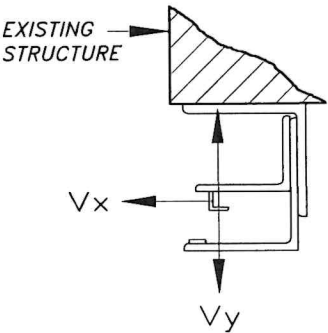
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 23-101	6/19/26			
2					

Vx & Vy REACTIONS & ANCHOR SPACING SCHEDULE

MAXIMUM A.S.D. DESIGN PRESSURE RATING (PSF)	DOOR WIDTH (Ft.)	SLIP (In)	Vx (Lb/Ft)	Vy (Lb/Ft)	MAX. ANCHOR SPACING TO POURED CONCRETE													
					A *		B *				C & E *				D *			
					f'c = 2 ksi Min.	f'c = 3 ksi Min. OR GREATER	f'c = 2 ksi Min.	f'c = 3 ksi Min.	f'c = 4 ksi Min.	f'c = 6 ksi Min.	f'c = 2 ksi Min.	f'c = 3 ksi Min.	f'c = 4 ksi Min.	f'c = 6 ksi Min.	f'c = 2 ksi Min.	f'c = 3 ksi Min.	f'c = 4 ksi Min.	f'c = 6 ksi Min.
+50.0, -50.0	10-0"	7/32"	891	250	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"
	12'-0"	3/8"	1051	300	12"	12"	12"	12"	12"	12"	11"	12"	12"	12"	11"	12"	12"	12"
	14'-0"	5/8"	1125	350	12"	12"	12"	12"	12"	12"	10 1/2"	12"	12"	12"	10"	12"	12"	12"
	16'-2"	1"	1179	404	12"	12"	12"	12"	12"	12"	9 1/2"	11 1/2"	12"	12"	9 1/2"	12"	12"	12"
+55.0, -55.0	10-0"	7/32"	1017	275	12"	12"	12"	12"	12"	12"	11 1/2"	12"	12"	12"	11 1/2"	12"	12"	12"
	12'-0"	3/8"	1180	330	12"	12"	12"	12"	12"	12"	10"	12"	12"	12"	10"	12"	12"	12"
	14'-0"	5/8"	1254	385	12"	12"	11 1/2"	12"	12"	12"	9"	11"	12"	12"	9"	11 1/2"	12"	12"
	16'-2"	1"	1308	445	12"	12"	11"	12"	12"	12"	8 1/2"	10 1/2"	12"	12"	8 1/2"	10 1/2"	12"	12"
+60.0, -60.0	10-0"	7/32"	1141	300	12"	12"	12"	12"	12"	12"	10 1/2"	12"	12"	12"	10 1/2"	12"	12"	12"
	12'-0"	3/8"	1307	360	12"	12"	11"	12"	12"	12"	9"	10 1/2"	12"	12"	9"	11"	12"	12"
	14'-0"	5/8"	1381	420	11 1/2"	12"	10 1/2"	11 1/2"	12"	12"	8 1/2"	10"	11 1/2"	12"	8 1/2"	10 1/2"	12"	12"
	16'-2"	1"	1436	485	11"	12"	10"	11"	12"	12"	8"	9 1/2"	11"	12"	8"	9 1/2"	11 1/2"	12"
+65.0, -65.0	10-0"	7/32"	1263	325	12"	12"	11 1/2"	12"	12"	12"	9 1/2"	11"	12"	12"	9 1/2"	11 1/2"	12"	12"
	12'-0"	3/8"	1432	390	11"	12"	10"	11 1/2"	12"	12"	8"	9 1/2"	11 1/2"	12"	8"	10"	12"	12"
	14'-0"	5/8"	1507	455	10 1/2"	12"	9 1/2"	10 1/2"	11 1/2"	12"	7" ∅	9"	10 1/2"	12"	7 1/2"	9 1/2"	11"	12"
	16'-2"	1"	1562	525	10"	12"	9"	10"	11"	12"	6 1/2" ∅	8 1/2"	10"	12"	7 1/2"	9"	10 1/2"	11 1/2"



LOAD DIAGRAM



LOAD DIAGRAM

*

- A - 5/8"Ø HILTI S.S. KWIK BOLT TZ EXPANSION ANCHOR @ 10" Min. SPACING.
- B - 5/8"Ø HILTI S.S. KWIK BOLT 3 EXPANSION ANCHOR @ 9" Min. SPACING. ONLY ALLOWED TO BE USED AT JURISDICTIONS WHERE COMPLIANCE W/ ACI 318-14 APPENDIX D IS NOT ENFORCED BY BUILDING OFFICIAL.
- C - 5/8"Ø S.S. HILTI S.S. HUS-H SCREW ANCHOR @ 8" Min. SPACING EXCEPT WHERE ∅ MARK 6 1/2" Min. SPACING IS ALLOWED.
- D - 5/8"Ø DEWALT S.S. WEDGE BOLT ANCHOR W/ 7 1/2" Min. SPACING.
- A, B, C & D ANCHORS W/ 4" MINIMUM EMBEDMENT, 6" MIN. EDGE DISTANCE & 8" MIN. WALL THICKNESS.
- E - 5/8"Ø RED HEAD LDT ANCHOR W/ 5 1/2" Min. EMBEDMENT & 6 ¼" EDGE DISTANCE.

** NOTES FOR LIMITATIONS/ REQUIREMENTS FOR USE OF ABOVE ANCHORS VERSUS BUILDING CONDITIONS:

- (1) FOR DOORS INSTALLED WHERE ANCHORS/DOOR HOOD FACE THE EXTERIOR OF BUILDING, USE TYPE A, B, C, OR D ANCHORS WHEN BUILDING IS LOCATED WITHIN 300 ft OF THE COASTAL SHORELINE.
- (2) FOR DOORS INSTALLED WHERE ANCHORS/DOOR HOOD FACE THE EXTERIOR OF BUILDING, USE TYPE A THRU E ANCHORS WHEN BUILDING IS LOCATED GREATER THAN 300 ft OF THE COASTAL SHORELINE.
- (3) FOR DOORS INSTALLED WHERE ANCHORS/DOOR HOOD FACE THE INTERIOR OF BUILDING, AND BUILDING IS UNCONDITIONED WITH OR WITHOUT VENTING, USE TYPE A THRU E ANCHORS, INDEPENDENT OF WHERE BUILDING IS LOCATED.
- (4) FOR DOORS INSTALLED WHERE ANCHORS/DOOR HOOD FACE THE INTERIOR OF BUILDING, AND BUILDING IS AIR CONDITIONED, USE TYPE A THRU D ANCHORS IF BUILDING IS LOCATED WITHIN 300 ft OF THE COASTAL SHORELINE, AND USE TYPE A THRU E ANCHORS IF BUILDING IS LOCATED MORE THAN 300 ft OF THE COASTAL SHORELINE.



©2026 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)

16'-2" MAX. 22 GAGE SLAT ROLL-UP DOOR
L.M.I

ROLLING DOOR INDUSTRIES, LLC.!

8214 NW 64 ST

MIAMI, FL. 33166

PH: 305-599-9977 FAX: 305-599-9979

DRAWN BY:
W.H.

6/19/2026
DATE

26-047
DRAWING No

SHEET 3 OF 3

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 23-101	6/19/26			
2					