

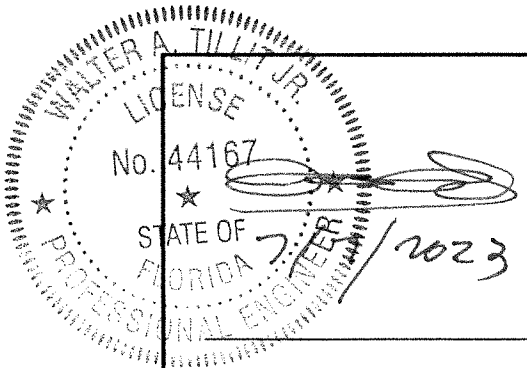
GENERAL NOTES:

- 1- ROLL-UP DOOR SHOWN ON THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) HAS BEEN VERIFIED FOR CODE COMPLIANCE IN ACCORDANCE WITH THE 2023 (8th 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 JURISDICTION WHERE THIS PRODUCT WILL BE INSTALEED 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 NOTE 1.
- IN ORDER TO VERIFY THE ABOVE CONDITION, ULTIMATE DESIGN WIND LOADS DETERMINED PER 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 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 # 6451, PER TAS-201, TAS-202 & TAS-203 PROTOCOLS.

MAX. A.S.D. DESIGN PRESSURE RATING: +60.0, -60.0 PSF.

- 2- SLAT TO BE A.S.T.M. A-653 GR 40 STRUCTURAL QUALITY STEEL WITH MIN $F_y = 47.0$ 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 $F_y = 47.0$ ksi.
- 3- ALL STEEL ANGLES TO BE A.S.T.M. A-36 DESIGNATION, SHOP PRIMED AGAINST CORROSION PRIOR TO INSTALLATION. PAINT TO CONFORM TO FEDERAL SPECIFICATIONS CORRESPONDING TO RED OXIDE PAINT OR EQUAL.
- 4- WINDLOCKS TO 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 TO BE S.A.E. GRADE 2 CADMIUM PLATED OR GALVANIZED STEEL.
- 6- STEEL WINDBARS TO BE A.S.T.M. A-36 DESIGNATION, SHOP PRIMED PRIOR TO INSTALLATION. PAINT TO CONFORM TO FEDERAL SPECIFICATIONS CORRESPONDING TO RED OXIDE PAINT OR EQUAL.
- 7- HOOD TO BE 24 GA. A.S.T.M. A-653 DESIGNATION G-90 FINISH TYPE COATING.
- 8- ALL RIVETS TO BE A.I.S.I. C1006 SPHERODIZED ANNEALED ALUMINUM LOW CARBON COLD HEADING QUALITY STEEL, ZINC PLATED, W/ 55.0 ksi. MINIMUM TENSILE STRENGTH, AS MANUFACTURED BY UNIVERSAL RIVET, INC.
- 9- CONCRETE ANCHORS TO BE AS MANUFACTURED BY DEWALT, INC, AND SHALL BE INSTALLED FOLLOWING ALL OF THE RECOMMENDATIONS AND SPECIFICATIONS OF THE ANCHOR'S MANUFACTURER.
- 10- ALL WELDING TO 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. W/ MIAMI DADE COUNTY APPROVAL.
- 12- 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 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) CONTRACTOR 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 WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER, SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
(E) ORIGINAL P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.
- 15- DOOR'S MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION AT DOOR. ONE LABEL SHALL BE PLACED FOR EVERY OPENING. LABELING TO COMPLY WITH SECTION 1709.5.2.1.1 OF THE FLORIDA BUILDING CODE.

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



P.E. SEAL/SIGNATURE/DATE

Florida Building Code (High Velocity Hurricane Zone)

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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

14'-2" MAXIMUM WIDE, 24 GAGE SLAT
ROLL-UP DOOR

DRAWN BY:
Y.M.

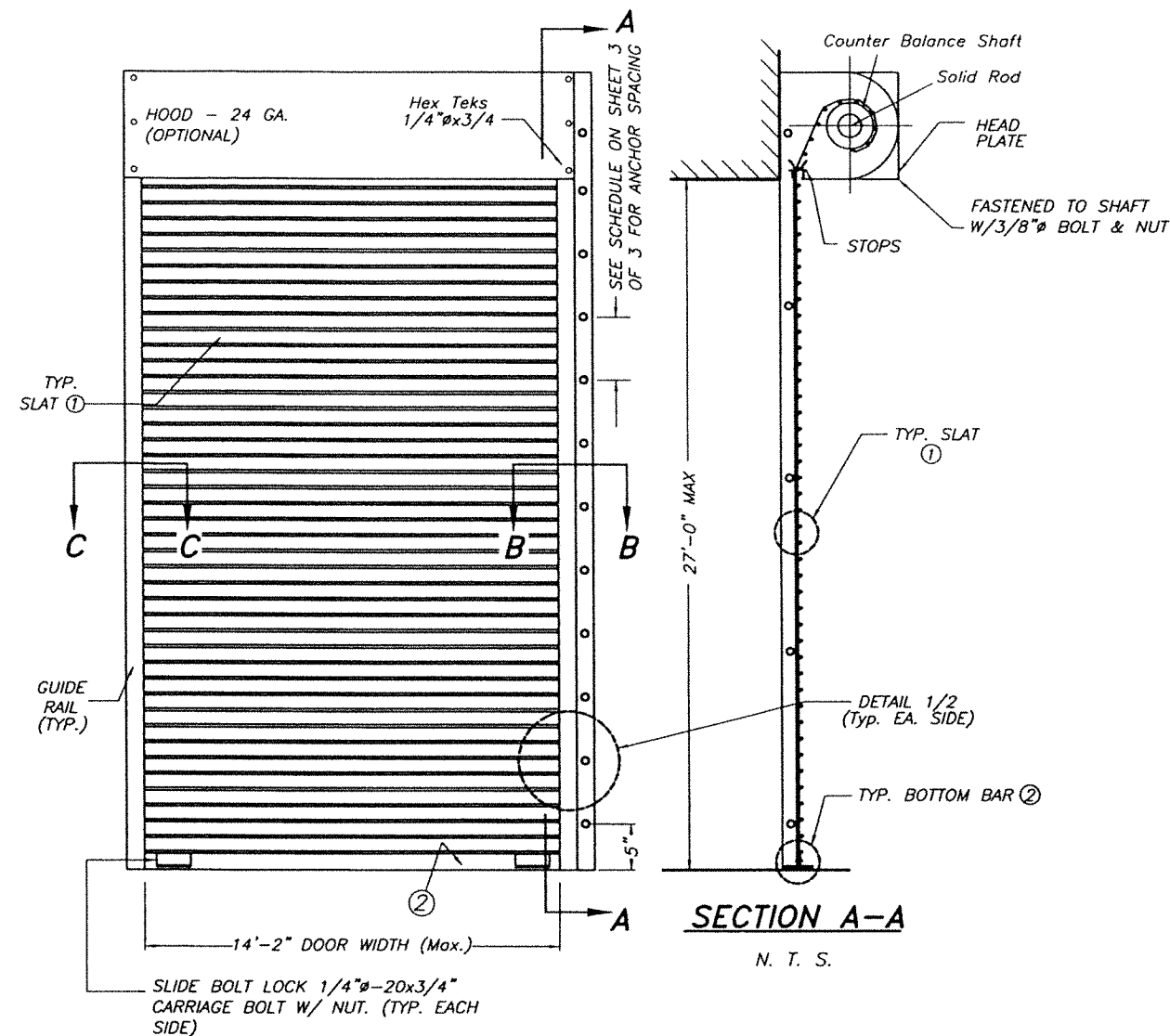
ROLLING DOOR INDUSTRIES, LLC.
8214 NW 64 ST
MIAMI, FL. 33166
PH: 305-599-9977 FAX: 305-599-9979

07/7/2021
DATE

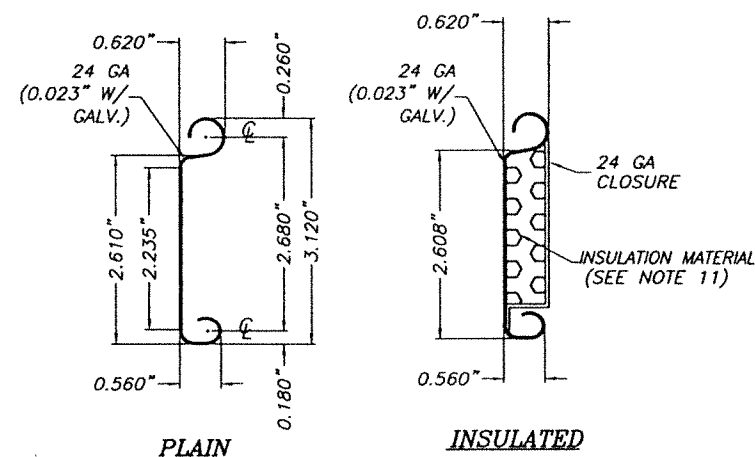
23-103
DRAWING No

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
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2			4		

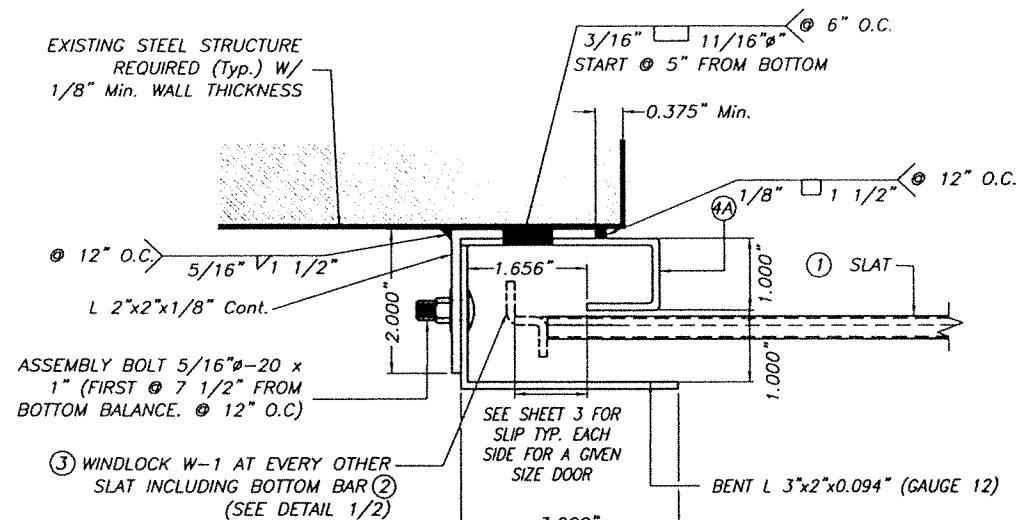
SHEET 1 OF 3



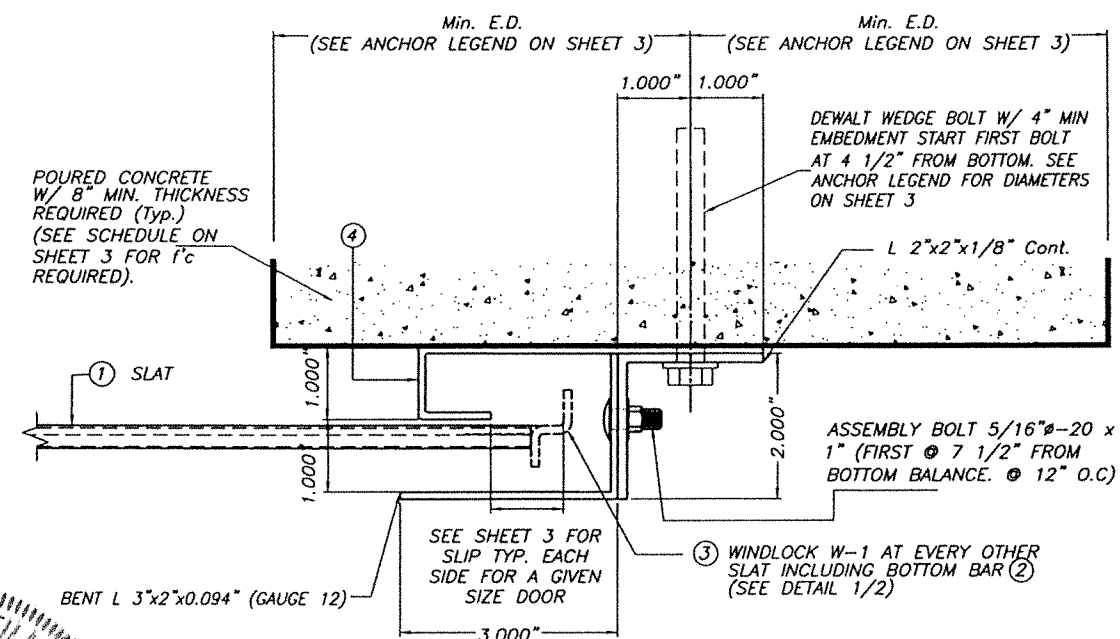
TYPICAL DOOR ELEVATION
N. T. S.



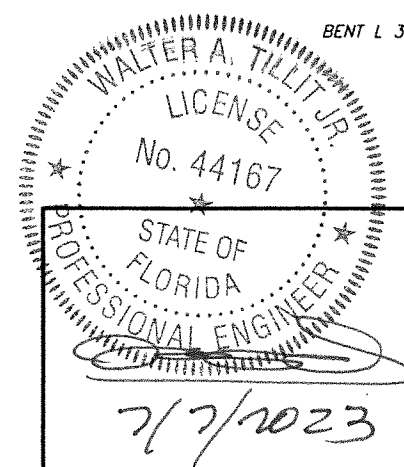
① FLAT SLAT
SCALE : 3/8" = 1"



SECTION C-C



SECTION B-B
SCALE : 3/8" = 1"



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FLORIDA Lic. # 44167

14'-2" MAXIMUM WIDE, 24 GAGE SLAT ROLL-UP DOOR

ROLLING DOOR INDUSTRIES, LLC.

8214 NW 64 ST
MIAMI, FL. 33166
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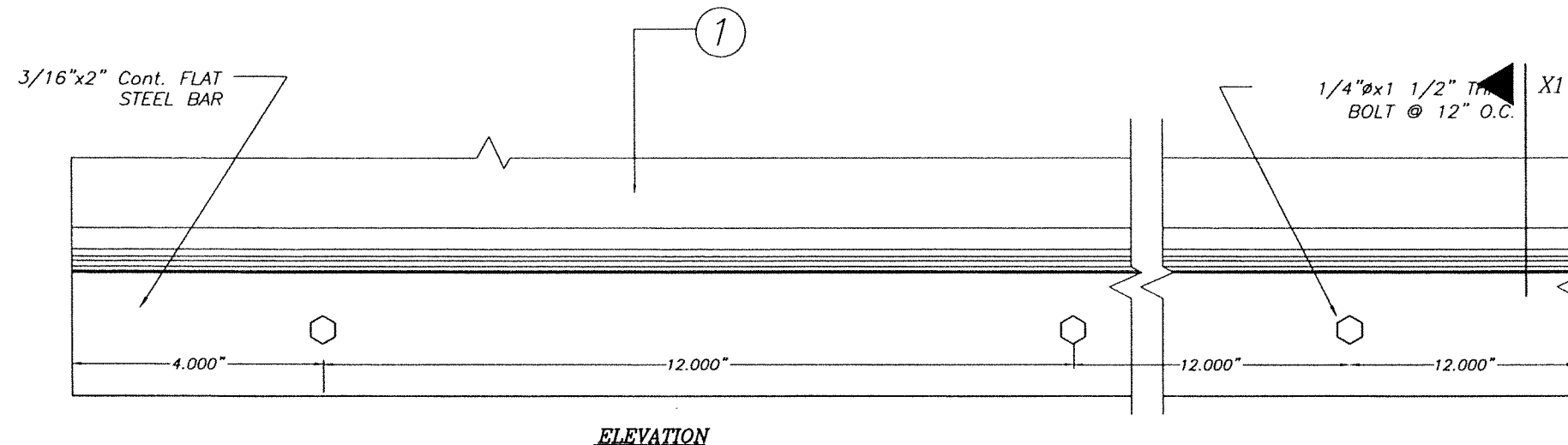
DRAWN BY:
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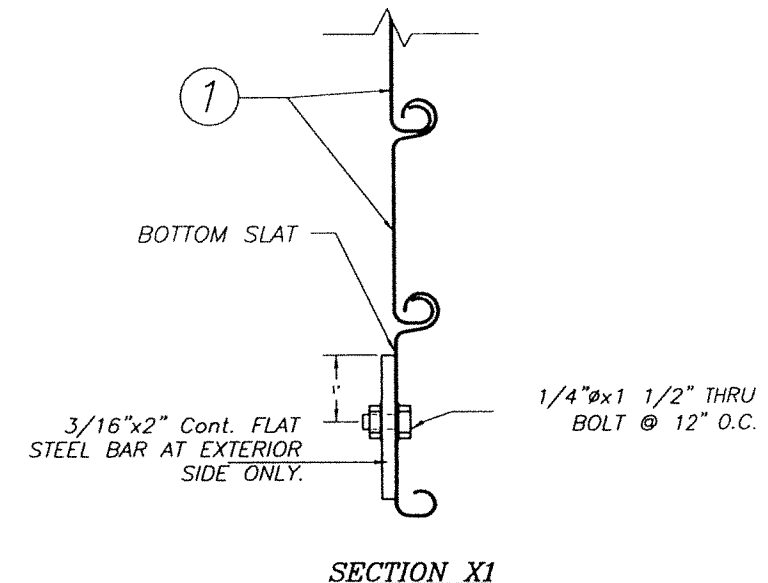
23-103
DRAWING No

SHEET 1A OF 3

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
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2			4		

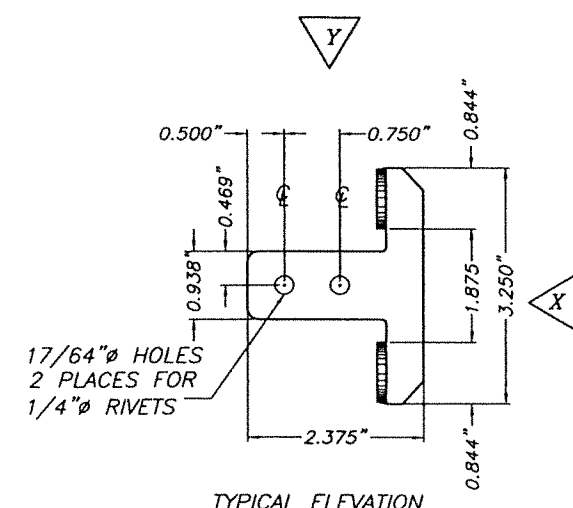


ELEVATION

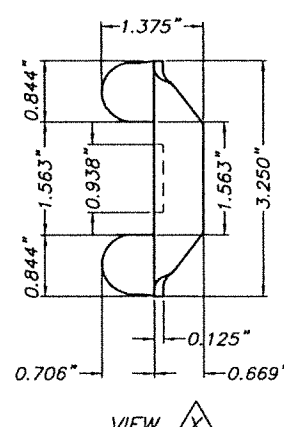


SECTION X1

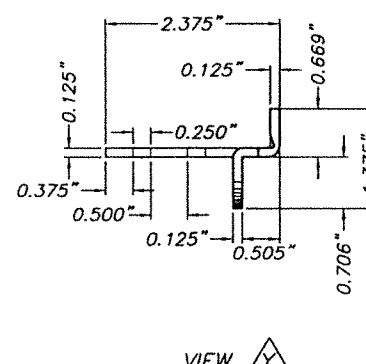
② BOTTOM BAR
SCALE : 3/8" = 1"



TYPICAL ELEVATION

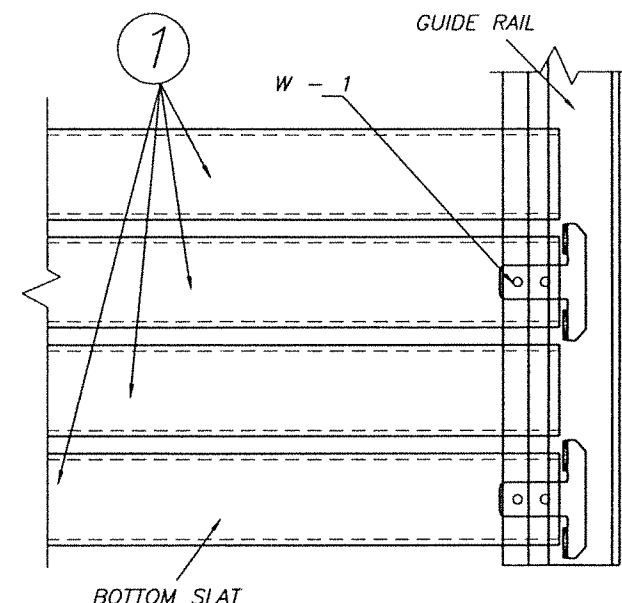


VIEW X



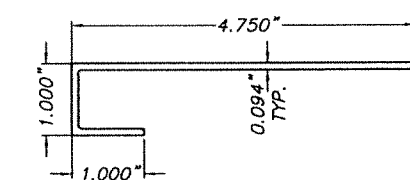
VIEW Y

③ TYPICAL WINDLOCK W - 1 DETAIL
SCALE : 3/8" = 1"

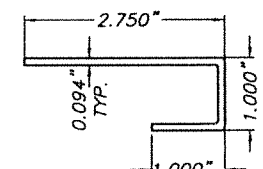


DETAIL 1 (elevation)
N.T.S.

④ "J" GUIDE FOR CONCRETE WALL
SCALE : 3/8" = 1"



④A "J" GUIDE FOR STEEL WALL
SCALE : 3/8" = 1"



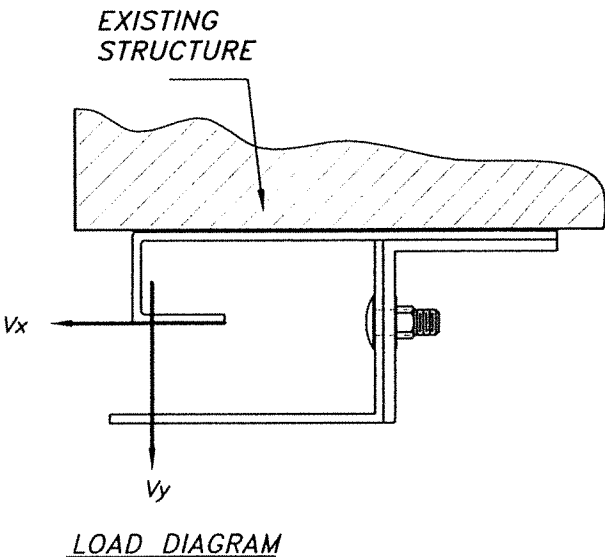
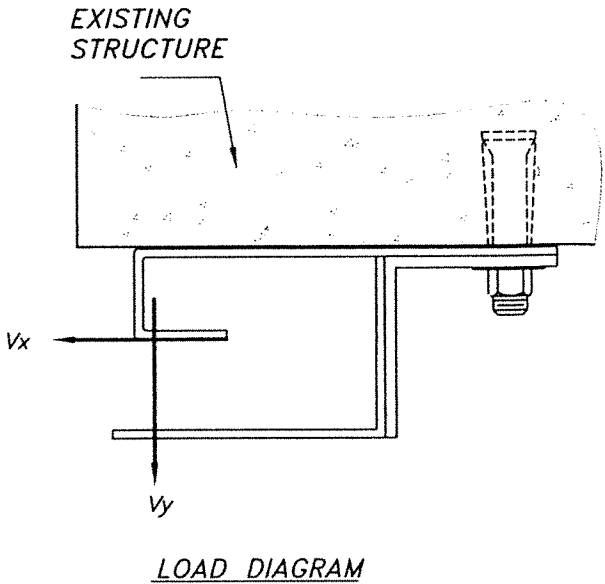
COMPONENTS

WALTER A. TILLIT JR.
LICENSE
No. 44167
STATE OF FLORIDA
PROFESSIONAL ENGINEER
7/7/2023
P.E. SEAL/SIGNATURE/DATE

Florida Building Code (High Velocity Hurricane Zone)					
© 2023 TILTECO, INC.			14'-2" MAXIMUM WIDE, 24 GAGE SLAT ROLL-UP DOOR		DRAWN BY: Y.M.
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			ROLLING DOOR INDUSTRIES, LLC. 8214 NW 64 ST MIAMI, FL. 33166 PH: 305-599-9977 FAX: 305-599-9979		07/7/2021 DATE
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-214	7/7/23	3		
2			4		
					23-103 DRAWING No
					SHEET 2 OF 3

Vx & Vy REACTIONS & ANCHOR SCHEDULE

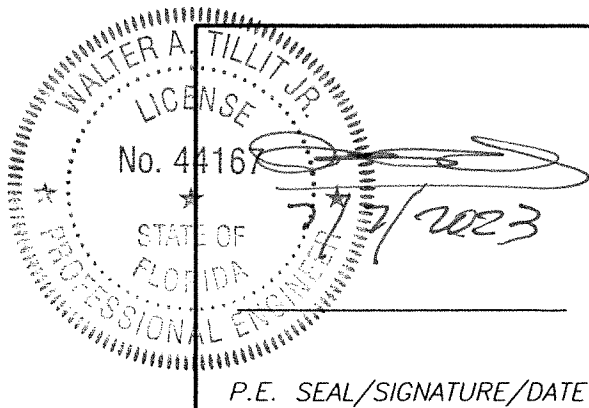
DOOR WIDTH (Ft)	MAXIMUM A.S.D. DESIGN PRESSURE RATING (PSF)	SLIP (In)	Vx (Lb/Ft)	Vy (Lb/Ft)	MAX., ANCHOR SPACING					
					ANCHOR TYPE 1 *			ANCHOR TYPE 2 *		
					FOR Min. f'c = 3000 psi CONCRETE	FOR Min. f'c = 4000 psi CONCRETE	FOR Min. f'c = 6000 psi CONCRETE	FOR Min. f'c = 3000 psi CONCRETE	FOR Min. f'c = 4000 psi CONCRETE	FOR Min. f'c = 6000 psi CONCRETE
12'-0"	+30.0, -30.0	1/4"	731	180	11"	11"	11"	11"	11"	11"
	+35.0, -35.0	1/4"	884	210	11"	11"	11"	11"	11"	11"
	+40.0, -40.0	1/4"	1034	240	11"	11"	11"	11"	11"	11"
	+45.0, -45.0	1/4"	1182	270	10"	11"	11"	11"	11"	11"
	+50.0, -50.0	1/4"	1328	300	8 1/2"	10"	10 1/2"	11"	11"	11"
	+55.0, -55.0	1/4"	1472	330	8"	9"	9 1/2"	9 1/2"	11"	11"
	+60.0, -60.0	1/4"	1614	360	7"	8"	8 1/2"	9"	10 1/2"	11"
14'-2"	+30.0, -30.0	7/16"	792	212	11"	11"	11"	11"	11"	11"
	+35.0, -35.0	7/16"	944	248	11"	11"	11"	11"	11"	11"
	+40.0, -40.0	7/16"	1095	283	10 1/2"	11"	11"	11"	11"	11"
	+45.0, -45.0	7/16"	1243	319	9"	10 1/2"	10 1/2"	11"	11"	11"
	+50.0, -50.0	7/16"	1390	354	8"	9 1/2"	9 1/2"	10"	11"	11"
	+55.0, -55.0	7/16"	1535	390	7 1/2"	8 1/2"	8 1/2"	9"	10 1/2"	11"
	+60.0, -60.0	7/16"	1679	425	7"	7 1/2"	8"	8"	9 1/2"	10 1/2"



ANCHOR LEGEND

* ANCHOR TYPE 1: 1/2"Ø DEWALT, INC WEDGE BOLT, W/ 4" MIN. EMBEDMENT AND 4 1/2" MIN. EDGE DISTANCE.

ANCHOR TYPE 2: 5/8"Ø DEWALT, INC WEDGE BOLT, W/ 4" MIN. EMBEDMENT AND 6" MIN. EDGE DISTANCE.



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23-103
DRAWING No

SHEET 3 OF 3

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
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2			4		