

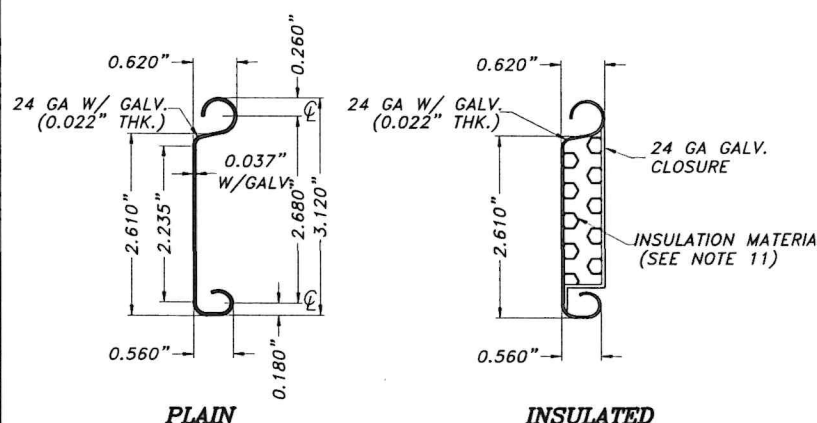
GENERAL NOTES:

- 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 SECTIONS **1620** (HVHZ) AND **1609** (NHVHZ) OF THE ABOVE MENTIONED CODE, FOR A WIND SPEED AS REQUIRED BY THE JURISDICTION WHERE THIS PRODUCT 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 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 COMPARE THESE WITH 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 SECTIONS 1626 (HVHZ) AND 1609.1.2 (NHVHZ) OF THE ABOVE MENTIONED CODE AS PER BLACK WATER TESTING, INC. REPORT # BT-ROD-18-001, PER TAS-201, TAS-202 & TAS-203 PROTOCOLS.
- MAX. A.S.D. DESIGN PRESSURE RATING: +70.0, -70.0 PSF FOR SLAT ① IMPACT MISSILE IS 9Lb, 2"X4", 50ft/Sec.
- 2-SLAT AND ROLLED FORMED GUIDE SHALL BE A.S.T.M. A-653 GR 40 STRUCTURAL QUALITY STEEL WITH MIN. $F_y = 44.7$ 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 $F_y = 44.7$ ksi.
- 3- ALL STEEL ANGLES SHALL BE A.S.T.M. A-36 DESIGNATION, SHOP PRIMED AGAINST CORROSION PRIOR TO INSTALLATION. PAINT SHALL CONFORM TO FEDERAL SPECIFICATIONS CORRESPONDING TO RED OXIDE PAINT OR EQUAL.
- 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. PAINT TO CONFORM TO FEDERAL SPECIFICATIONS CORRESPONDING TO RED OXIDE PAINT OR EQUAL.
- 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, ZINC PLATED, W/ 55.0 ksi. MINIMUM TENSILE STRENGTH, AS MANUFACTURED BY UNIVERSAL RIVET, INC., WITH 1000 hrs CORROSION RESISTANCE, PER ASTM B-117.
- 9- CONCRETE ANCHORS SHALL BE AS PER MANUFACTURERS INDICATED ON SHEET 6, AND SHALL BE INSTALLED FOLLOWING ALL OF THE RECOMMENDATIONS AND SPECIFICATIONS OF THE ANCHOR'S MANUFACTURER. STEEL FASTENERS TO BE AS MANUFACTURED BY ELCO CONSTRUCTION PRODUCTS AND SHALL BE INSTALLED FOLLOWING ALL OF THE RECOMMENDATIONS AND SPECIFICATIONS OF THE ANCHOR'S MANUFACTURER.
- 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 APPROVAL.**
- 12- THIS DOOR MAY BE INSTALLED WITH SLATS CONCAVE SIDE FACING OUTSIDE OR INSIDE OF BUILDING.
- 13- 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 6, FOR V_x & V_y VALUES.
- 14- ROLL-UP MECHANISM IS NOT PART OF THIS APPROVAL.
- 15- (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.
- 16- DOOR MANUFACTURER'S LABEL SHALL BE LOCATED AT A READILY VISIBLE LOCATION **ON THE DOOR. ONE LABEL SHALL BE PLACED FOR EVERY OPENING. LABELING TO COMPLY WITH SECTION 1709.5.2.1.1** OF THE FLORIDA BUILDING CODE.

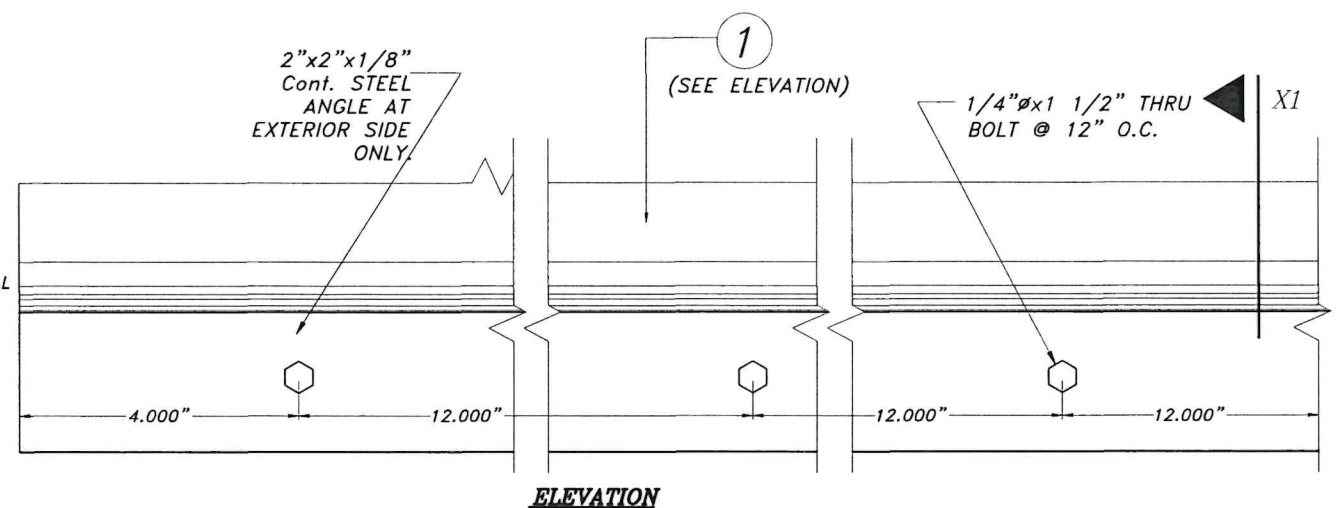
THIS DRAWING SHALL ONLY BE USED TO
OBTAIN PERMITS IN THE STATE OF FLORIDA



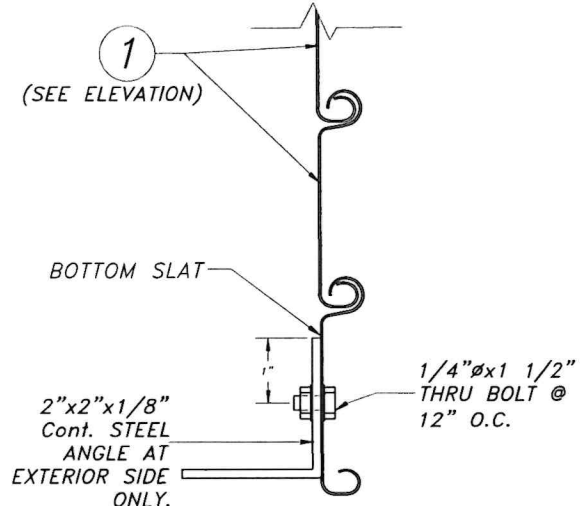
FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)					
©2026 TILTECO, INC.			16'-0" WIDE, 24 GAGE SLAT ROLL-UP DOOR		W.H. DRAWN BY:
 TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 . Fax : (305)871-1531 CA-0006719 WALTER A. TILLIT Jr. P.E. FLORIDA Lic. # 44167			XOEZ IMPORT & EXPORT, INC. dba.RollingDoors.com 7214 NW 78th TERRACE MEDLEY, FL 33166 PHONE: (305)885-7590 EMAIL: info@rollingdoors.com		6/30/2026 DATE:
					26-109 DRAWING No.
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 23-105	6/30/26	3	-	-
2	-	-	4	-	-
					SHEET 1 OF 6



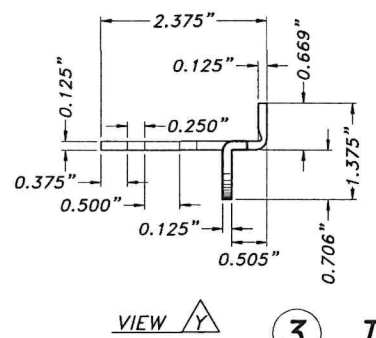
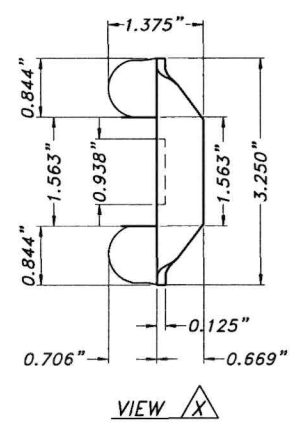
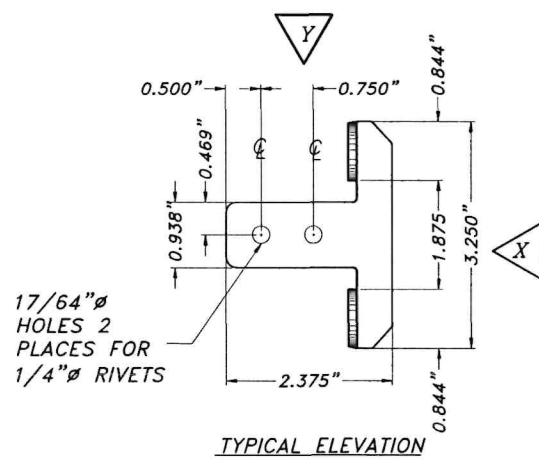
1 FLAT SOLID SLAT
SCALE : N.T.S



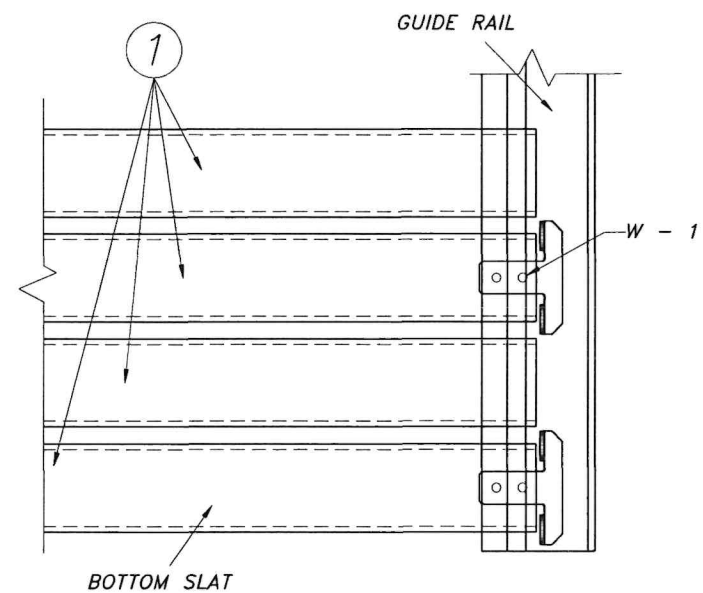
2 BOTTOM BAR
SCALE : N.T.S



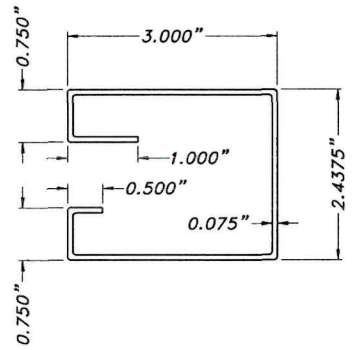
SECTION XI



3 TYPICAL WINDLOCK W - 1 DETAIL
SCALE : N.T.S

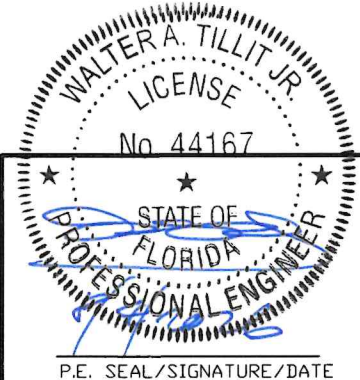


DETAIL 1 (elevation)
SCALE : N.T.S



4 ROLLFORMED GUIDE
SCALE : N.T.S

COMPONENTS



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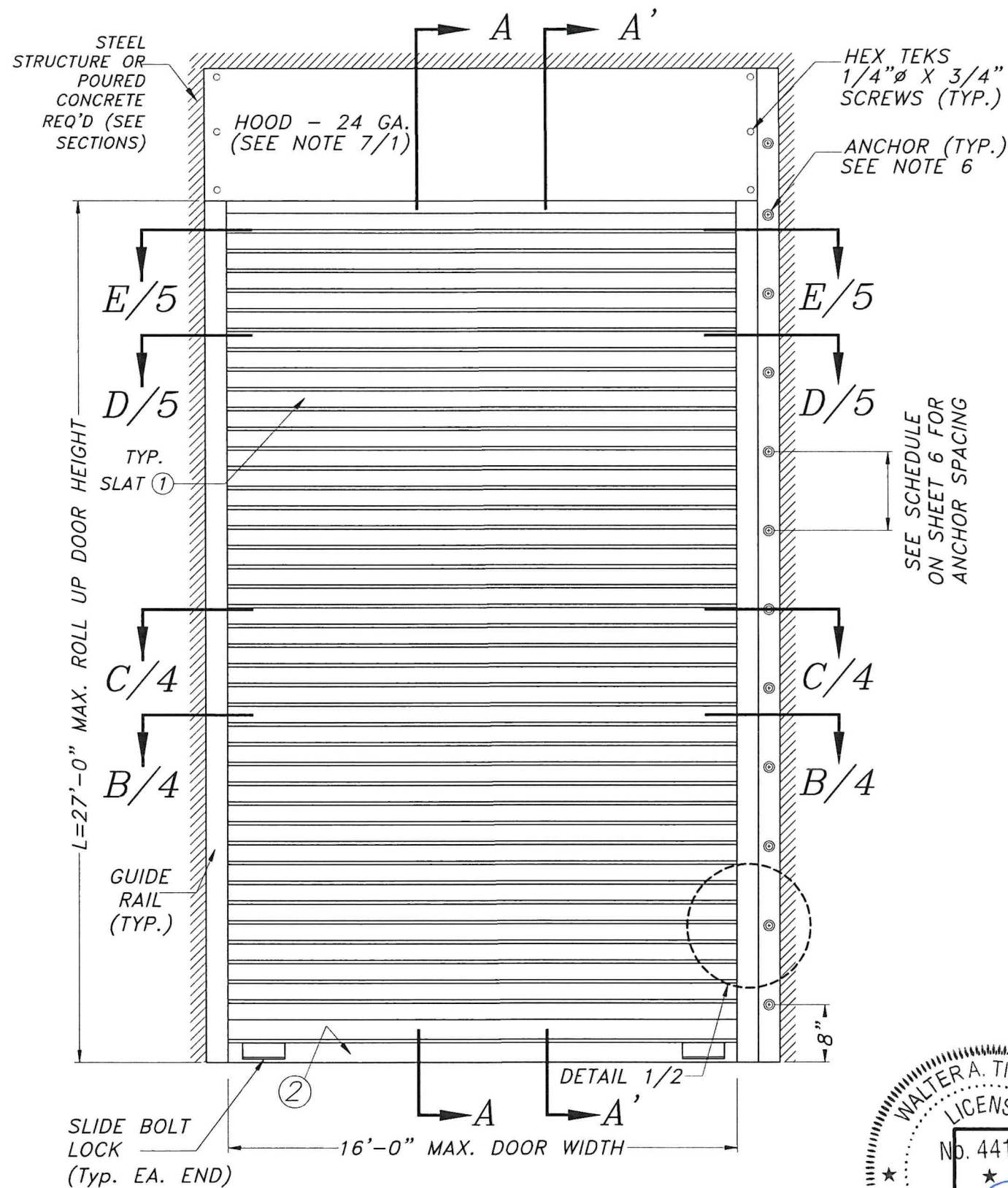
TILTECO INC.

TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
CA-0006719
WALTER A. TILLIT Jr. P.E.
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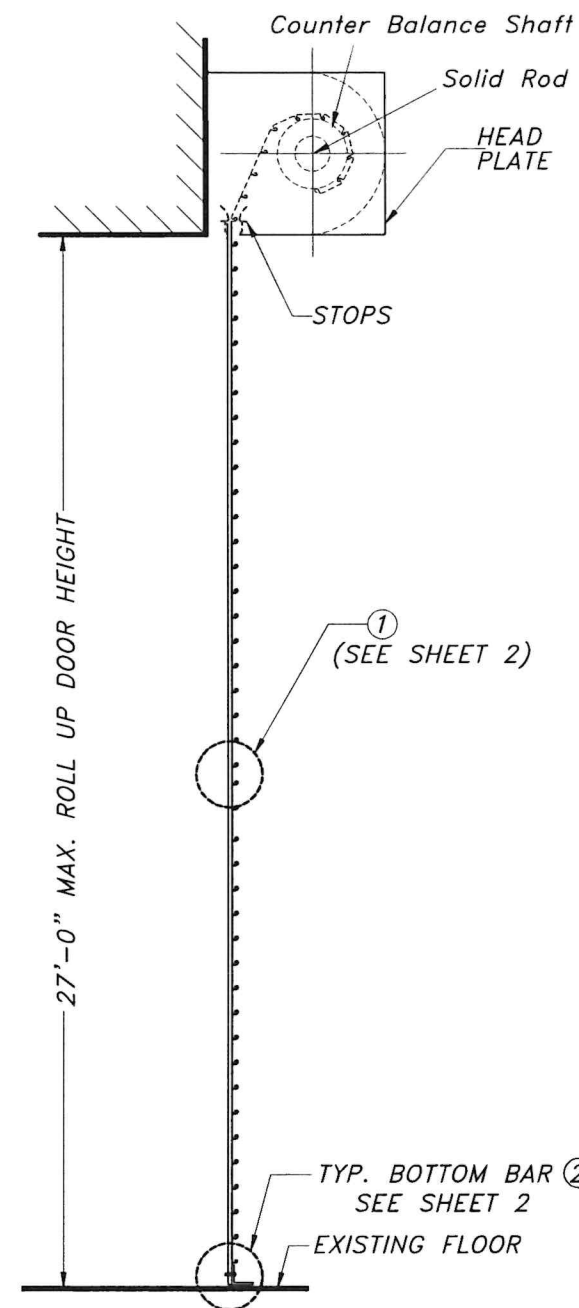
FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

16'-0" WIDE, 24 GAGE SLAT ROLL-UP DOOR					
XOEZ IMPORT & EXPORT, INC. dba.RollingDoors.com 7214 NW 78th TERRACE MEDLEY, FL 33166 PHONE: (305)885-7590 EMAIL: info@rollingdoors.com					
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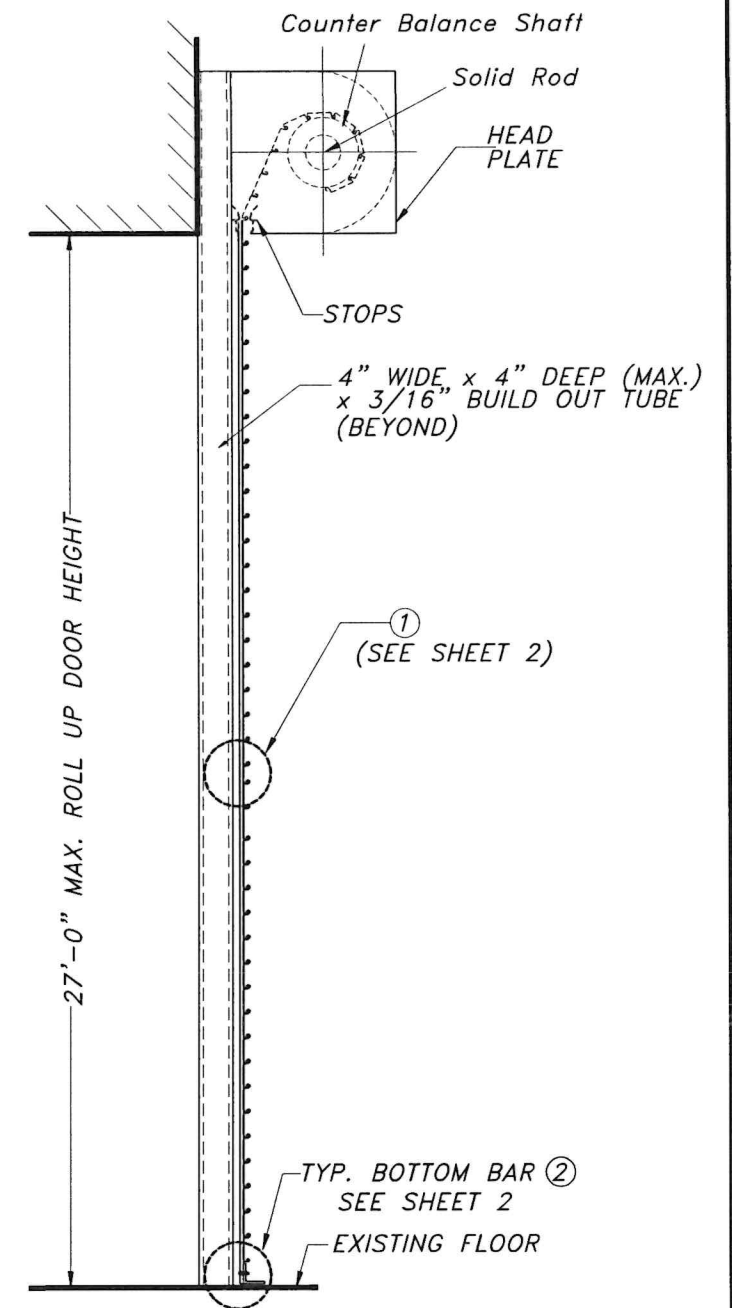
W.H. DRAWN BY:	6/30/2026 DATE:
26-109 DRAWING No.	SHEET 2 OF 6



TYPICAL DOOR ELEVATION
N. T. S.



SECTION A-A
N. T. S.



SECTION A'-A'
N. T. S.



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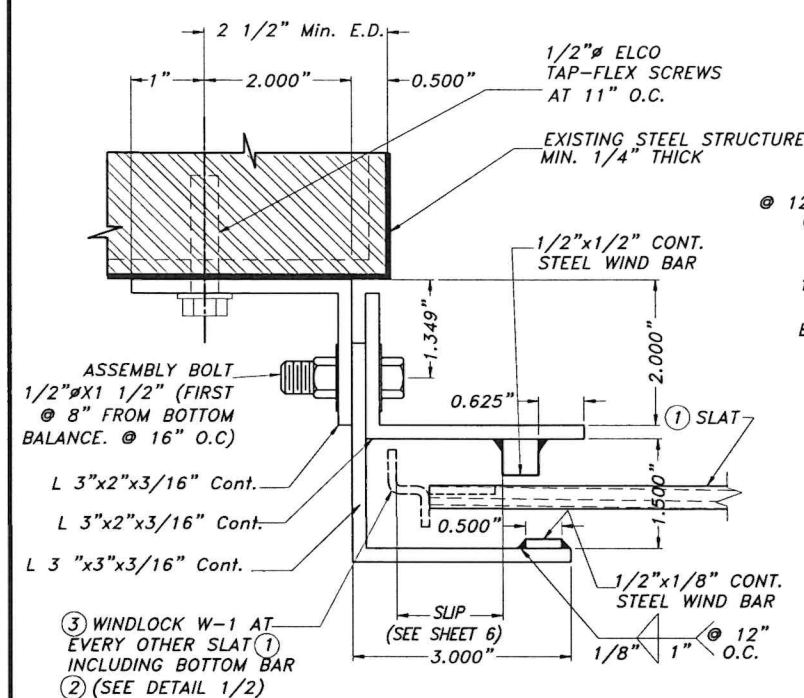
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6/30/2026
DATE:

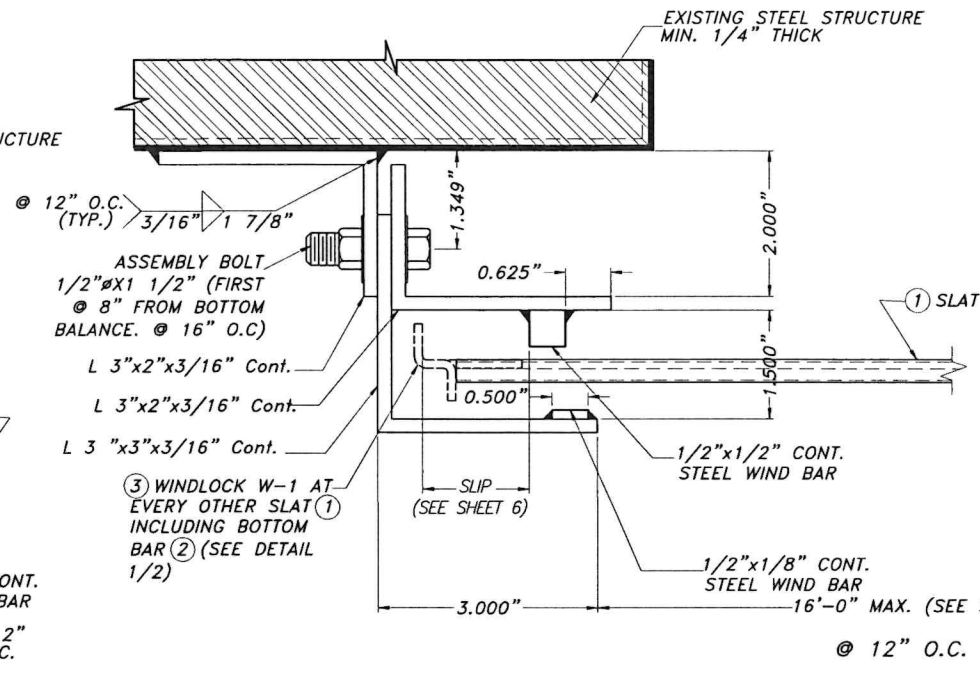
26-109

DRAWING No.

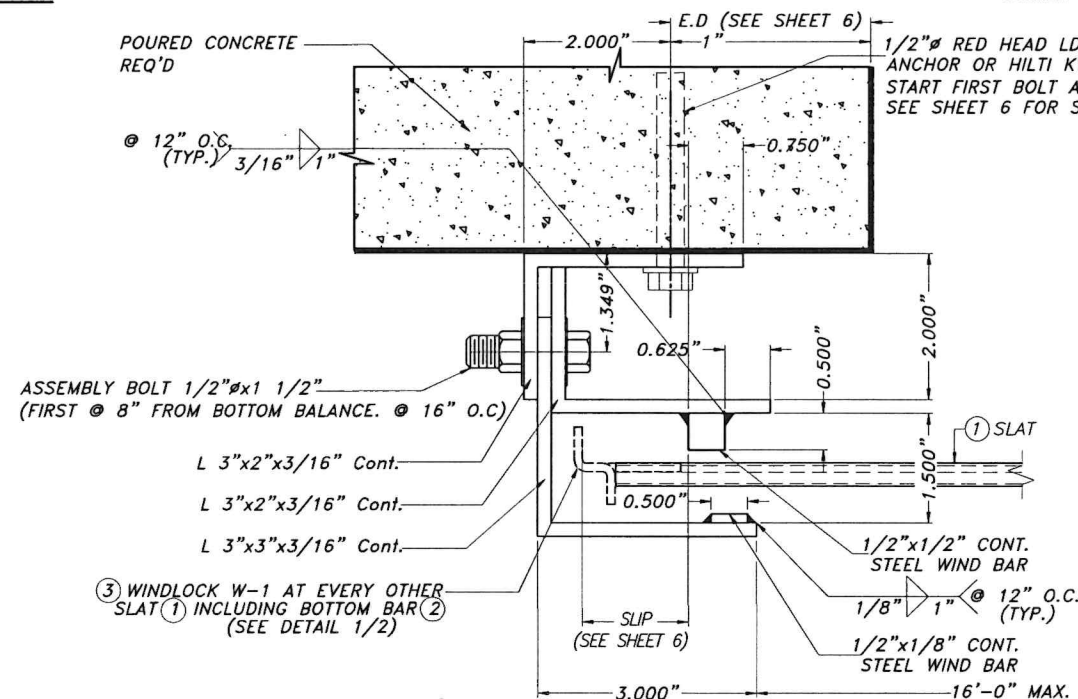
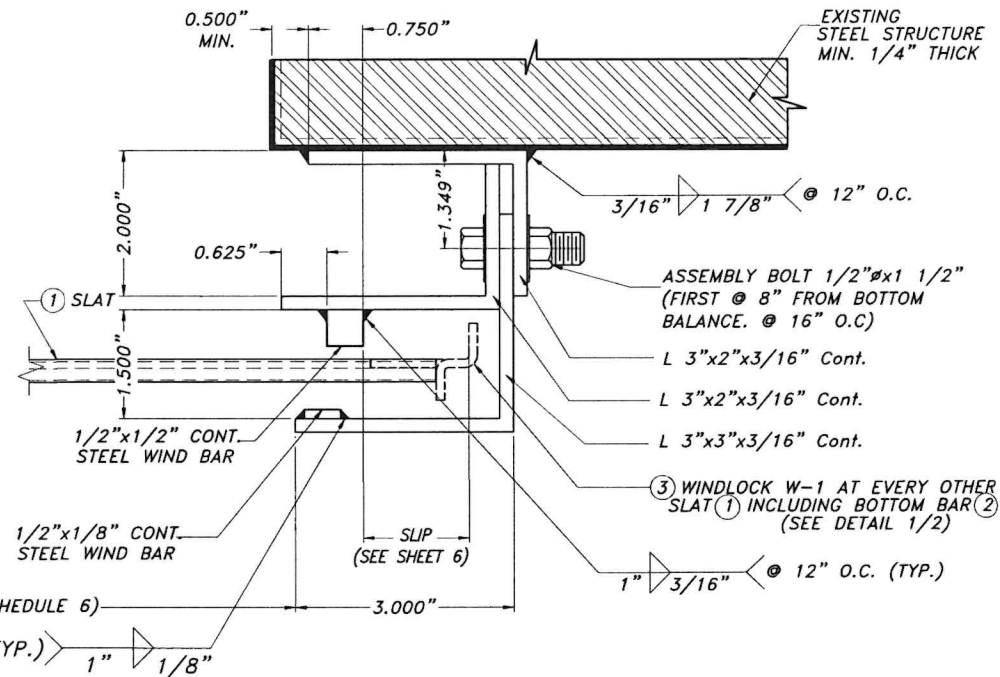
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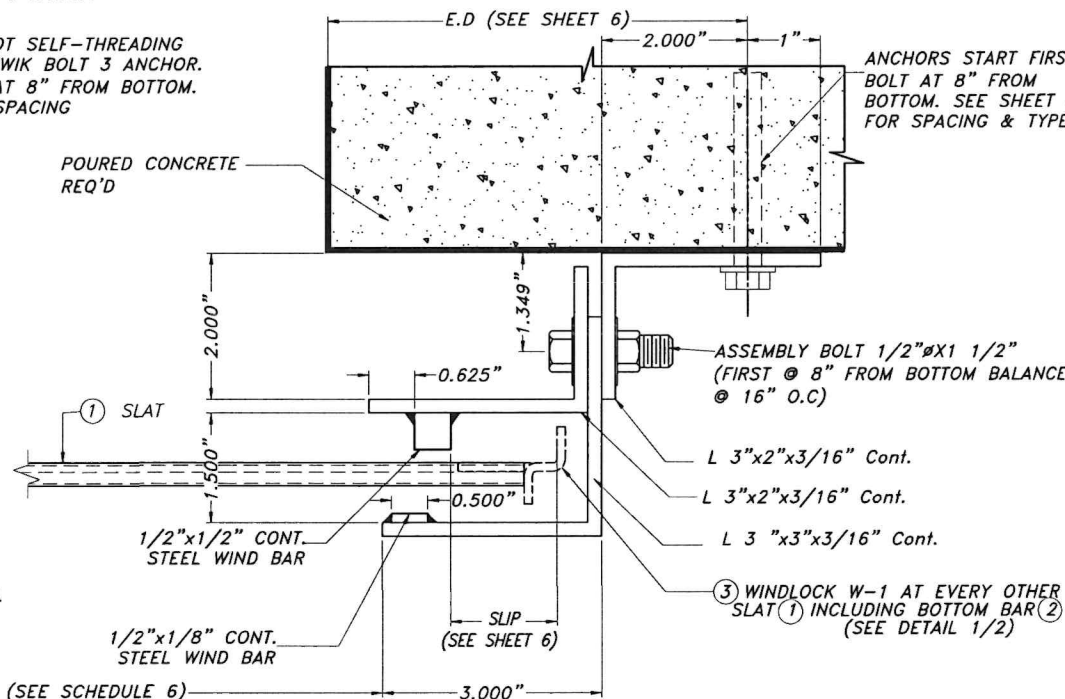
VARIANCE W/ TAP-FLEX ANCHORAGE
SCALE : N.T.S.



SECTION B-B*
SCALE : N.T.S.



SECTION C-C*
SCALE : N.T.S.



* GUIDES AT EACH JAMB MAY BE COMBINED AS NEEDED TO SUIT ANY INSTALLATION



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16'-0" WIDE, 24 GAGE SLAT ROLL-UP DOOR

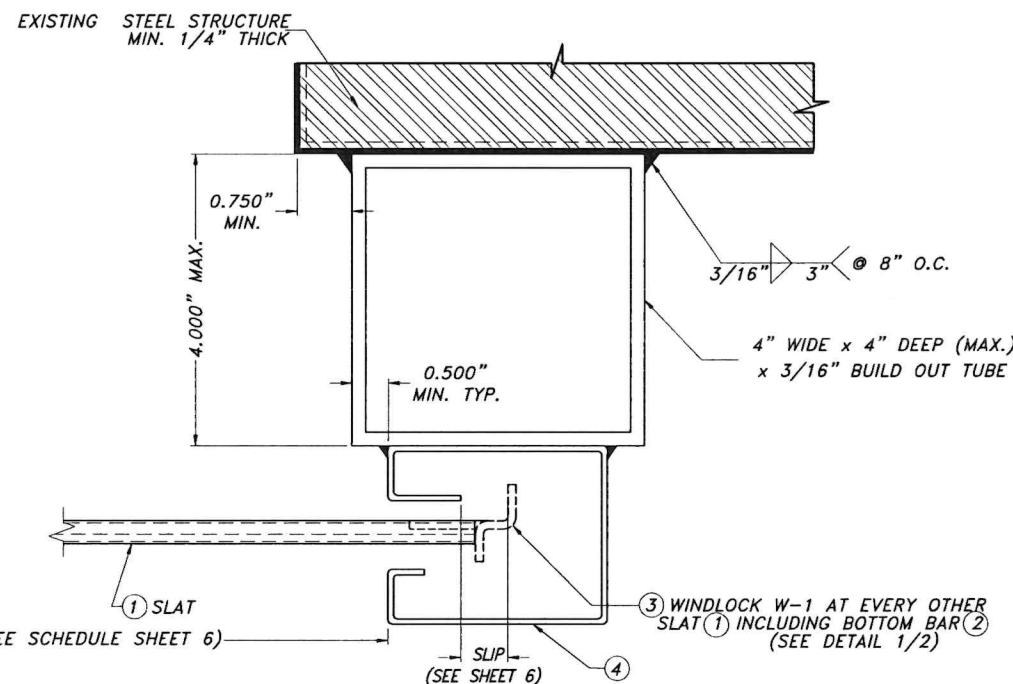
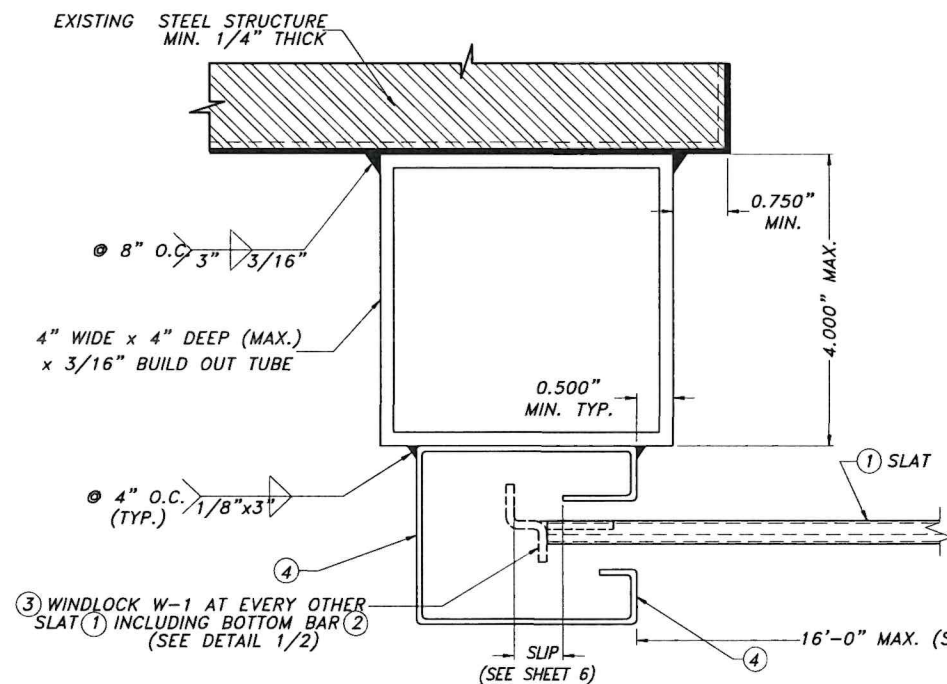
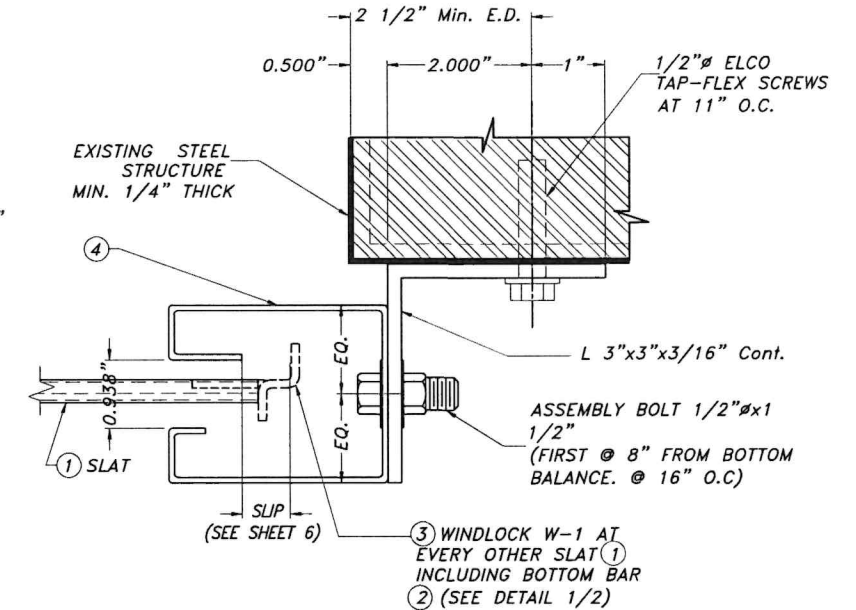
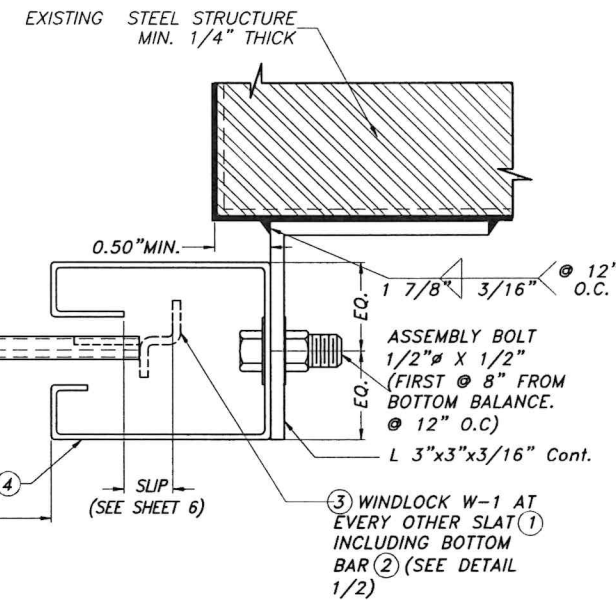
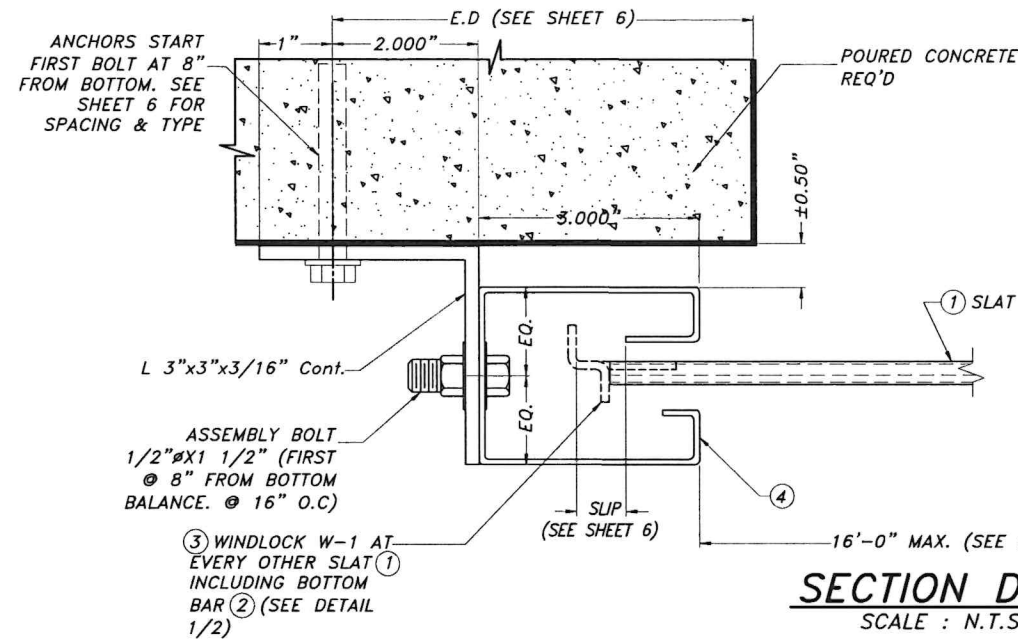
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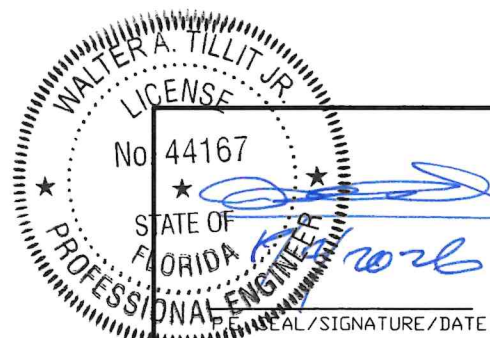
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26-109
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SHEET 4 OF 6



* GUIDES AT EACH JAMB MAY BE COMBINED AS NEEDED TO SUIT ANY INSTALLATION



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16'-0" WIDE, 24 GAGE SLAT ROLL-UP DOOR

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26-109

DRAWING No.

SHEET 5 OF 6

MAX. PRESSURE RATINGS, V_x & V_y REACTIONS
& ANCHOR SPACING SCHEDULE

MAXIMUM A.S.D. DESIGN PRESSURE RATING (PSF)	DOOR WIDTH (Ft.)	SLIP (In)	V _x (Lb/Ft)	V _y (Lb/Ft)	MAX. ANCHOR SPACING					
					ANCHOR TYPE					
					TYPE 1		TYPE 1A			TYPE 2
					f'c=3Ksi	f'c=4Ksi	f'c=3Ksi	f'c=4Ksi	f'c=6Ksi	1/4" STEEL
+47.0, -47.0	10'-0"	1/4"	776	250	10 1/2"	11"	11"	11"	11"	11"
	12'-0"	3/8"	994	300	8 1/2"	9"	11"	11"	11"	11"
	14'-0"	1/2"	1187	350	—	8"	10"	11"	11"	11"
	16'-0"	5/8"	1364	400	—	—	8"	10"	11"	9 1/2"
+55.0, -55.0	10'-0"	1/4"	966	275	8 1/2"	9 1/2"	11"	11"	11"	11"
	12'-0"	3/8"	1198	330	—	8"	10"	11"	11"	11"
	14'-0"	1/2"	1409	385	—	—	8"	9 1/2"	11"	9 1/2"
	16'-0"	5/8"	1605	440	—	—	6 1/2"	8"	10"	8"
+60.0, -60.0	10'-0"	1/4"	1084	300	8"	8 1/2"	11"	11"	11"	11"
	12'-0"	3/8"	1324	360	—	—	9"	10"	11"	10"
	14'-0"	1/2"	1546	420	—	—	7"	8 1/2"	10 1/2"	8 1/2"
	16'-0"	5/8"	1754	480	—	—	6"	7"	9 1/2"	7 1/2"
+70.0, -70.0	10'-0"	1/4"	1314	350	—	—	9"	10"	11"	10"
	12'-0"	3/8"	1572	420	—	—	7"	8"	10 1/2"	8 1/2"
	14'-0"	1/2"	1816	490	—	—	5 1/2"	7"	9"	7 1/2"
	16'-0"	5/8"	2049	560	—	—	4 1/2"	5 1/2"	8"	6 1/2"

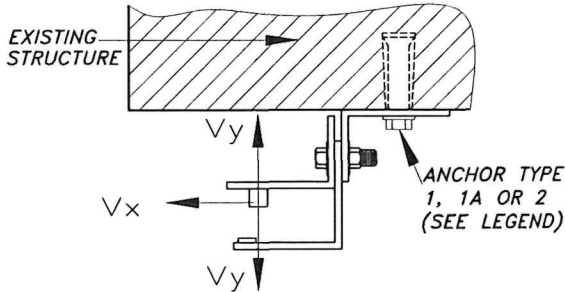
** NOTES FOR LIMITATIONS/ REQUIREMENTS FOR USE OF ABOVE ANCHORS VERSUS BUILDING CONDITIONS:

- (1) FOR DOORS INSTALLED WHERE ANCHORS/DOOR HOOD FACE THE EXTERIOR OF BUILDING, USE TYPE 1A 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 1, 1A OR 2 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 1, 1A OR 2 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 1A ANCHORS IF BUILDING IS LOCATED WITHIN 300 ft OF THE COASTAL SHORELINE, AND USE TYPE 1, 1A OR 2 ANCHORS IF BUILDING IS LOCATED MORE THAN 300 ft OF THE COASTAL SHORELINE.

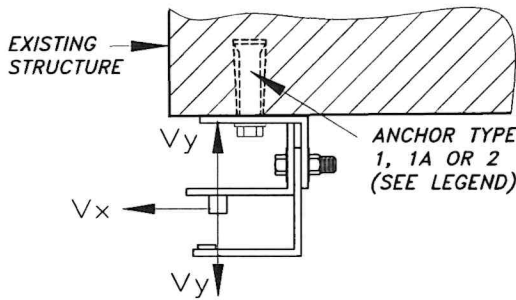
ANCHOR LEGEND

CHARACTERISTICS	ANCHOR TYPE		
	TYPE 1	TYPE 1A	TYPE 2
	LDT SELF THREADING	KWIK BOLT 3 SS EXPANSION	TAP-FLEX FULL THREAD SCREW
DIAMETER ϕ	1/2"	1/2"	1/2"
MIN. EMBEDMENT IN CONCRETE	3 1/2" *	3 1/2" *	FULL ENGAGEMENT IN 1/4" STRUCTURE
MATERIAL	ZINC PLATED GRADE 5 F _y =92 Ksi F _u =120Ksi	AISI 304 SERIES S.S	GRADE 5, SILVER STALGARD SUB COATING
MANUFACTURER	RED HEAD	HILTI INC.	ELCO CONSTRUCTION PRODUCTS
MIN. E.D	5" *	6" *	2" *
MIN. SPACING	AS PER SCHEDULE	AS PER SCHEDULE	AS PER SCHEDULE

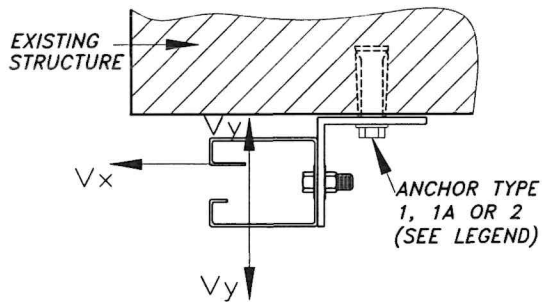
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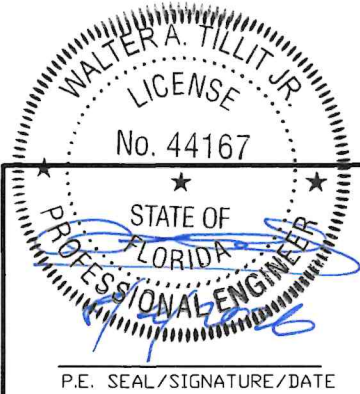
LOAD DIAGRAM: "Z" GUIDE



LOAD DIAGRAM: "E" GUIDE



LOAD DIAGRAM: "ROLLED FORMED GUIDE"



FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

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						26-109 DRAWING No.
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	SHEET 6 OF 6
1	OLD 23-105	6/30/26	3	-	-	
2	-	-	4	-	-	