

GENERAL NOTES:

1. ROLLING GRILLE DOOR INDICATED AT CASE A ON SHEET 3 OF THIS DRAWING HAS BEEN DESIGNED ONLY AS A SECURITY DOOR AND NOT AS A WIND LOAD RESISTANT PRODUCT. DESIGN WIND LOAD CONSIDERED IS BASED ON 105 m.p.h. BASIC WIND SPEED, EXPOSURES C & D, AND IT IS ONLY VALID FOR A DOOR HEIGHT UP TO 12'-0", INSTALLED AT BUILDINGS W/ MEAN ROOF HEIGHT UP TO 15'-0". A.S.D. DESIGN WIND LOAD IS 2.9 psf., BASED ON ASCE 7-10.

GRILLE DOOR HAS ALSO BEEN DESIGNED TO SUSTAIN A DEAD LOAD DUE TO ITS OWN WEIGHT OF 300 Lb, FOR A 14'x12' MAX. DOOR SIZE (SEE NOTE 12 BELOW).

GRILLE DOOR FOR CASE A SHALL BE POSTED AT HOOD WITH A PERMANENT LEGIBLE AND VISIBLE DECAL OF PAINTED INSTRUCTIONS TO THE OWNER OR TENANT INDICATING THAT GRILLE DOOR SHALL BE ROLLED UP DURING PERIODS OF HURRICANE WARNING (WIND VELOCITY GREATER THAN 74 m.p.h.), AS THOSE PERIODS ARE DESIGNATED BY THE U.S. WEATHER BUREAU OR THE NATIONAL HURRICANE CENTER.

ABOVE INDICATED DESIGN CRITERIA SHALL BE REVIEWED AND CONFORM TO THE SATISFACTION OF THE BUILDING OFFICIAL AS A CONDITION FOR THE ISSUANCE OR A BUILDING PERMIT FOR THE INSTALLATION OF THIS CASE A GRILLE DOOR.

2. ROLLING GRILLE DOOR INDICATED AT CASE B ON SHEET 4 HAS BEEN DESIGNED AS A SECURITY DOOR AND AS A WIND LOAD RESISTANT PRODUCT. DESIGN WIND LOAD CONSIDERED IS BASED ON 175 m.p.h. (RISK CATEGORY II BUILDINGS) & 186 m.p.h. (RISK CATEGORY III & IV BUILDINGS) BASIC WIND SPEED, EXPOSURES C & D, IN ACCORDANCE W/ SECTION 1620 OF THE 2014 (5th EDITION) OF THE FLORIDA BUILDING CODE, AND IT IS ONLY VALID FOR A DOOR HEIGHT UP TO 20'-0", INSTALLED AT BUILDINGS W/ MAXIMUM MEAN ROOF HEIGHT AS PER SCHEDULE ON SHEET 8 (CASE B).

GRILLE DOOR HAS ALSO BEEN DESIGNED TO SUSTAIN A DEAD LOAD DUE TO ITS OWN WEIGHT OF 672 Lb, FOR A 30'x20' MAXIMUM DOOR SIZE (SEE NOTE 12 BELOW).

GRILLE DOOR NEED NOT BE ROLLED UP DURING PERIODS OF HURRICANE WARNING (WIND VELOCITY GREATER THAN 74 m.p.h.), AS THOSE PERIODS ARE DESIGNATED BY THE U.S. WEATHER BUREAU OR THE NATIONAL HURRICANE CENTER.

3. ROLLING GRILLE DOOR INDICATED AT CASE C ON SHEET 5 HAS BEEN DESIGNED AS A SECURITY DOOR AND AS A WIND LOAD RESISTANT PRODUCT. DESIGN WIND LOAD CONSIDERED IS BASED ON 175 m.p.h. (RISK CATEGORY II BUILDINGS) & 186 m.p.h. (RISK CATEGORY III & IV BUILDINGS) BASIC WIND SPEED, EXPOSURES C & D, IN ACCORDANCE W/ SECTION 1620 OF THE 2014 (5th EDITION) OF THE FLORIDA BUILDING CODE, AND IT IS VALID FOR A DOOR HEIGHT UP TO 20'-0", INSTALLED AT BUILDINGS W/ MAXIMUM MEAN ROOF HEIGHT AS PER SCHEDULE ON SHEET 9 (CASE C).

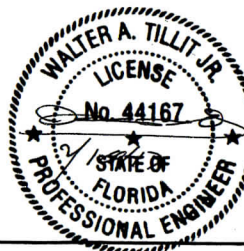
ROLLING GRILLE DOOR INDICATED AT CASE D HAS BEEN DESIGNED AS A SECURITY DOOR AND AS A WIND LOAD RESISTANT PRODUCT. DESIGN WIND LOAD CONSIDERED IS BASED ON A BASIC WIND SPEED OF 175 m.p.h. CORRESPONDING TO RISK CATEGORY II BUILDINGS, AND FOR EXPOSURE C, IN ACCORDANCE W/ SECTION 1620 OF THE 2014 (5th EDITION) OF THE FLORIDA BUILDING CODE, AND IS VALID FOR A DOOR HEIGHT UP TO 10'-0" INSTALLED AT BUILDINGS W/ MAX. MEAN ROOF HEIGHT OF 30'-0".

GRILLE DOOR HAS ALSO BEEN DESIGNED TO SUSTAIN A DEAD LOAD DUE TO ITS OWN WEIGHT OF 672 Lb, FOR A 30'x20' MAXIMUM DOOR SIZE (SEE NOTE 12 BELOW).

GRILLE DOOR NEED NOT BE ROLLED UP DURING PERIODS OF HURRICANE WARNING (WIND VELOCITY GREATER THAN 74 m.p.h.), AS THOSE PERIODS ARE DESIGNATED BY THE U.S. WEATHER BUREAU OR THE NATIONAL HURRICANE CENTER.

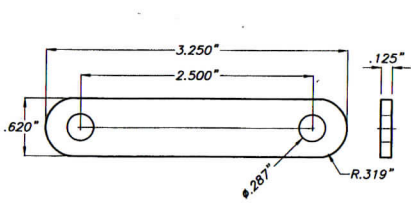
4. INSTALLATION OF CASES A, B, C & D DOORS SHALL COMPLY W/ ANY BUILDING AND ZONING REGULATIONS OF THE JURISDICTION WHERE A BUILDING PERMIT WILL BE APPLIED FOR.
5. ALL STEEL ANGLES AND BARS TO BE A.S.T.M. A-36 DESIGNATION, SHOP PRIMED AGAINST CORROSION PRIOR TO INSTALLATION. ALL STEEL TUBES TO BE ASTM A-500 GRADE B (Fy = 46 KSI.), SHOP PRIMED AGAINST CORROSION PRIOR TO INSTALLATION. HOOD TO BE 24 GA. A.S.T.M. A-525 DESIGNATION, WITH G-90 GALVANIZING.
6. CONCRETE ANCHORS TO BE AS MANUFACTURED BY POWERS FASTENING INC. AND SHALL BE INSTALLED FOLLOWING ALL OF THE RECOMMENDATIONS OF THE ANCHOR'S MANUFACTURER. SEE SHEETS 3, 4 & 5 FOR ANCHOR SPECS.
7. ALL WELDING TO CONFORM TO AMERICAN WELDING SOCIETY'S AWS D1.1 REGULATIONS, AND THE FLORIDA BUILDING CODE. USE A.W.S A5.1 OR A5.5 E60XX ELECTRODES.
8. ALUMINUM EXTRUSIONS TO BE 6063-T5 ALLOY, UNLESS OTHERWISE NOTED.
9. ALL ASSEMBLY BOLTS TO BE S.A.E. GRADE 5 GALVANIZED STEEL OR ZINC PLATED AS PER ASTM A-123, A-153 AND ASTM B695, RESPECTIVELY.
10. ALL 3/8"Ø TYPE "F" SELF TAPPER SCREWS TO BE GRADE 2, A.I.S.I. 1016-1024 DESIGNATION AND SHALL COMPLY W/ ASTM A-123 OR A-153 (IF HOT DIPPED GALVANIZED) OR ASTM B695 (IF MECHANICALLY DEPOSITED ZINC COATING).
11. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT THE EXISTING STRUCTURE IS DESIGNED TO SUPPORT Vx AND Vy FORCES AT BOTH JAMBS FOR CASES B & C DOORS. SEE SHEETS 8 & 9, FOR Vx & Vy VALUES.
12. ROLL UP MECHANISM NOT INCLUDED IN THIS DESIGN, BUT SHALL BE CAPABLE TO LIFT DOOR'S WEIGHT AS INDICATED ON GENERAL NOTES 1, 2 OR 3 ABOVE.
13. CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT, BASED ON THIS DRAWING, PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.
14. THIS DRAWING SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

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

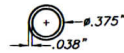


FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

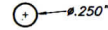
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TILECO INC.		XOEZ IMPORT & EXPORT, INC.		DRAWN BY:																		
TILLIT TESTING & ENGINEERING COMPANY 3555 N.W. 36th St., Ste. 300, WIRMIAN GARDENS, FLORIDA 33186 Phone : (305)871-1530 Fax : (305)871-1531 e-mail: tilteco@aol.com EB-0006719		7214 NW 78th TERRACE MEDLEY, FL 33166 PHONE: (305)885-7590 EMAIL: info@rollingdoors.com		02/07/17 DATE:																		
WALTER A. TILLIT JR., P.E. FLORIDA Lic. # 44167		<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>-</td> <td>-</td> <td>2</td> <td>-</td> <td>-</td> </tr> <tr> <td>2</td> <td>-</td> <td>-</td> <td>4</td> <td>-</td> <td>-</td> </tr> </tbody> </table>		REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	1	-	-	2	-	-	2	-	-	4	-	-	17-015 DRAWING No
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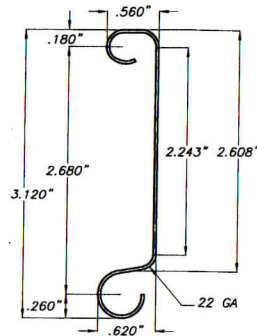
1 ALUMINUM LINK PLATE
6063-T6 Alum. ALLOY.



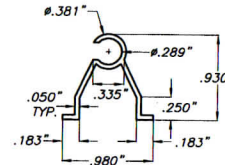
2 ALUMINUM PIPE SPACER
6063-T6 Alum. ALLOY.



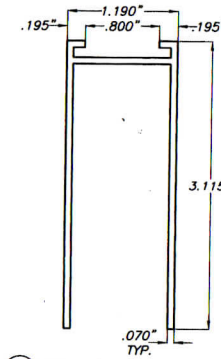
3 STEEL BAR
A.S.T.M. A-36 designation,
shop primed against corrosion
prior to installation.



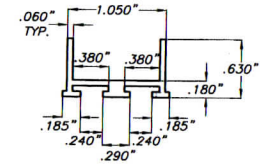
4 STEEL TOP HANGER
A.S.T.M. A-653 SQ. grade
40, with G-90 galvanizing.



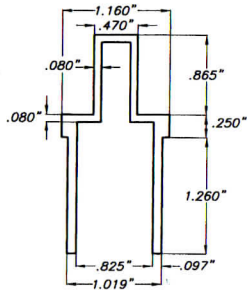
5 ALUMINUM BOTTOM BAR SUPPORT
6063-T6 Alum. ALLOY.



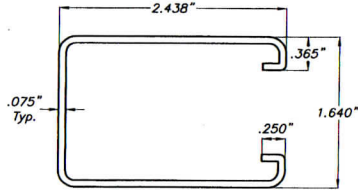
6 ALUMINUM BOTTOM BAR CHANNEL
6063-T6 Alum. ALLOY.



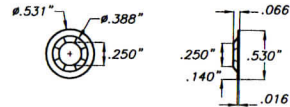
7 ALUMINUM BOTTOM BAR CAP
6063-T6 Alum. ALLOY.



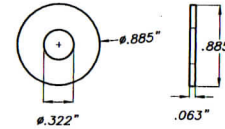
8 ALUMINUM BOTTOM BAR END CAP
2.25" LONG.
6063-T6 Alum. ALLOY.



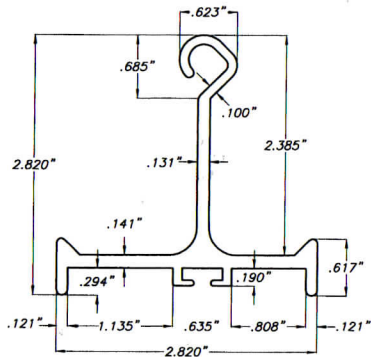
9 STEEL CHANNEL GUIDE
A.S.T.M. A-653 SQ. grade 50,
cold formed steel designation,
with G-60 galvanizing.



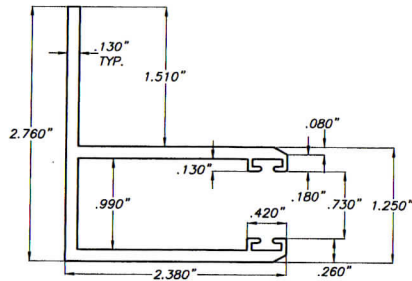
10 GALVANIZED STEEL LOCK WASHER
Min. Fy = 36000 psi
MODEL PS 2500B5
DESIGN STYLE #2



11 GALVANIZED STEEL WINDLOCK WASHER
Min. Fy = 36000 psi



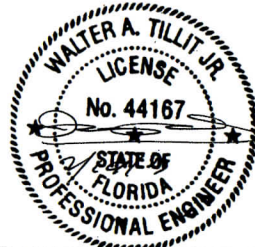
12 OPTIONAL ALUMINUM BOTTOM BAR
6063-T5 Alum. ALLOY.
SCALE : 3/4" = 1"



13 ALUMINUM TRACK GUIDE
6063-T6 Alum. ALLOY.

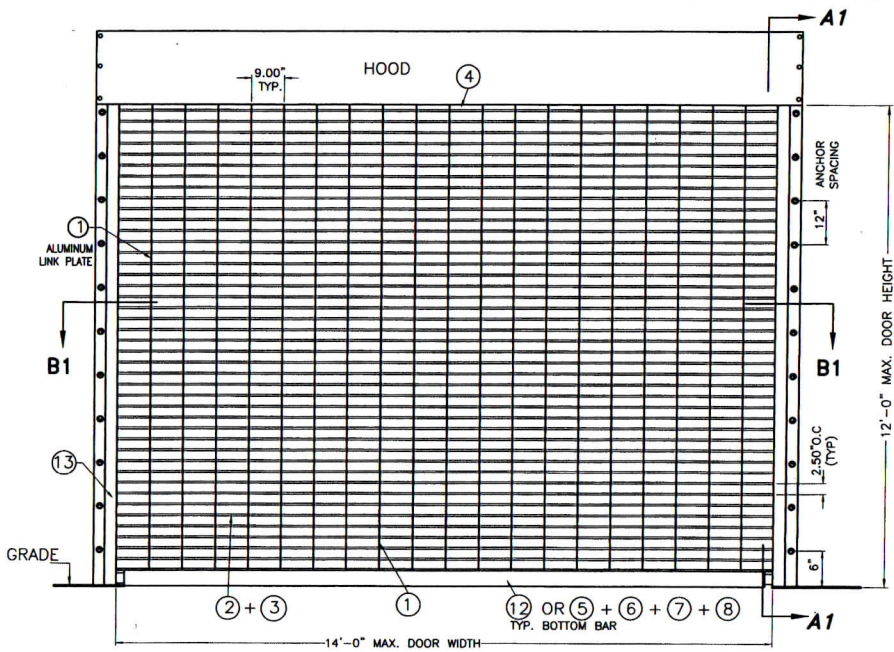
COMPONENTS

SCALE : 3/4" = 1"



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

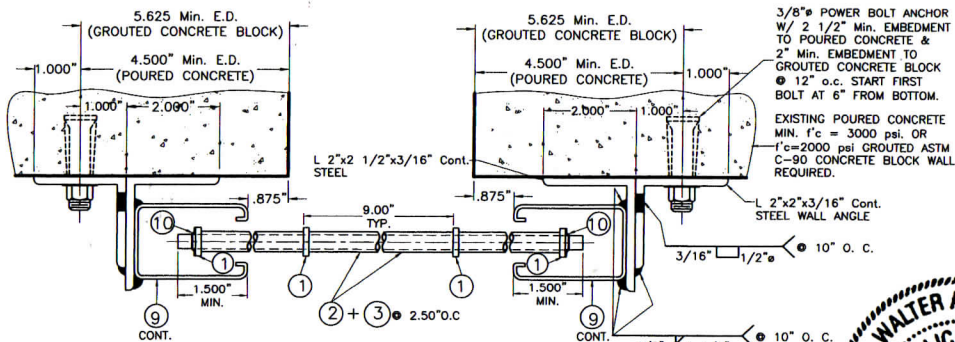
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EB-0006719 WALTER A. TILLIT JR., P.E. FLORIDA Lic. # 44167		PHONE: (305)885-7590 EMAIL: info@rollingdoors.com		17-015	
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TYPICAL DOOR ELEVATION

N. T. S.

(SEE TYPICAL ASSEMBLY DETAIL ON SHEET 6)

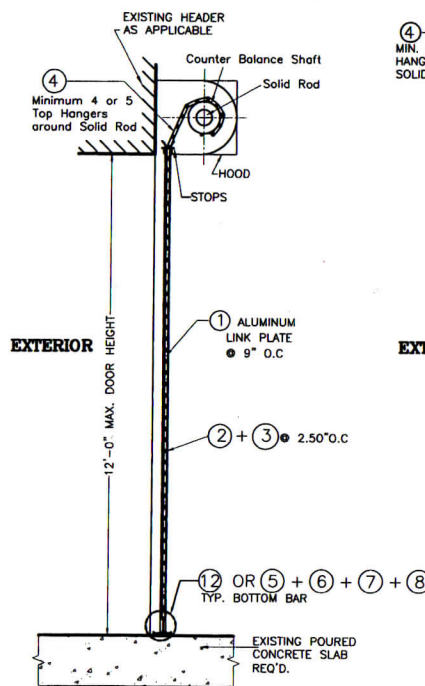


SECTION B1-B1

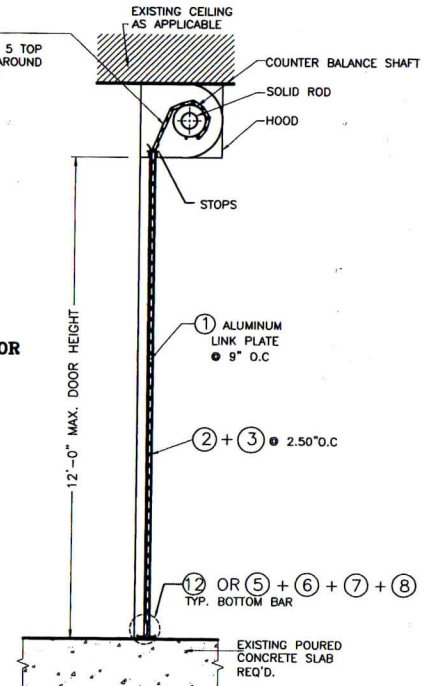
DOOR TO BE ROLLED UP FOR WIND VELOCITY GREATER THAN 74 m.p.h. (SEE NOTE 1/1)

SCALE: 3/8" = 1"

(SEE COMPONENTS SPECS. ON SHEET 2)



OPTION # 1

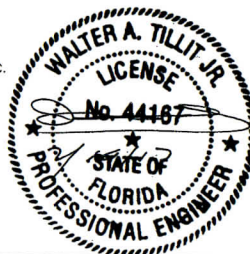


OPTION # 2

SECTION A1-A1

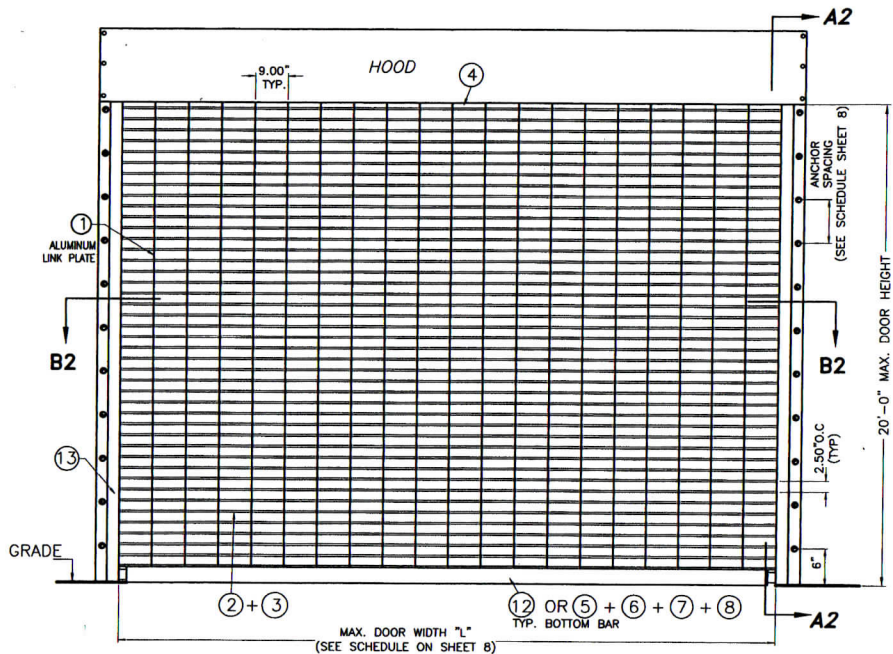
N. T. S.

CASE "A" DOOR INSTALLATION

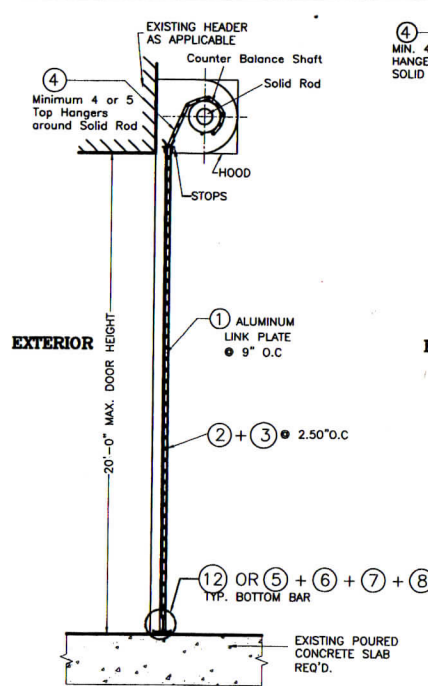


FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

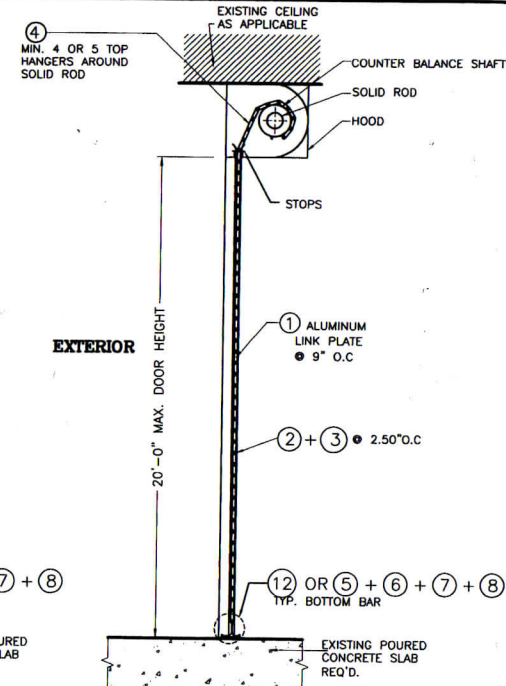
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TYPICAL DOOR ELEVATION



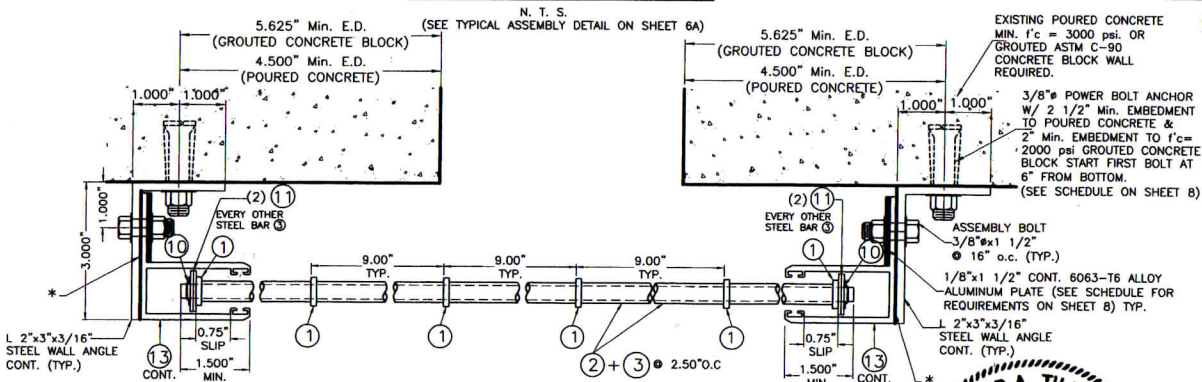
OPTION # 1



OPTION # 2

SECTION A2-A2
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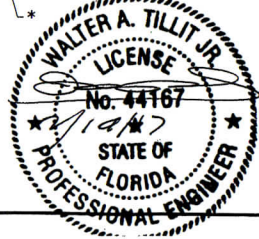
CASE "B" DOOR INSTALLATION



SECTION B2-B2

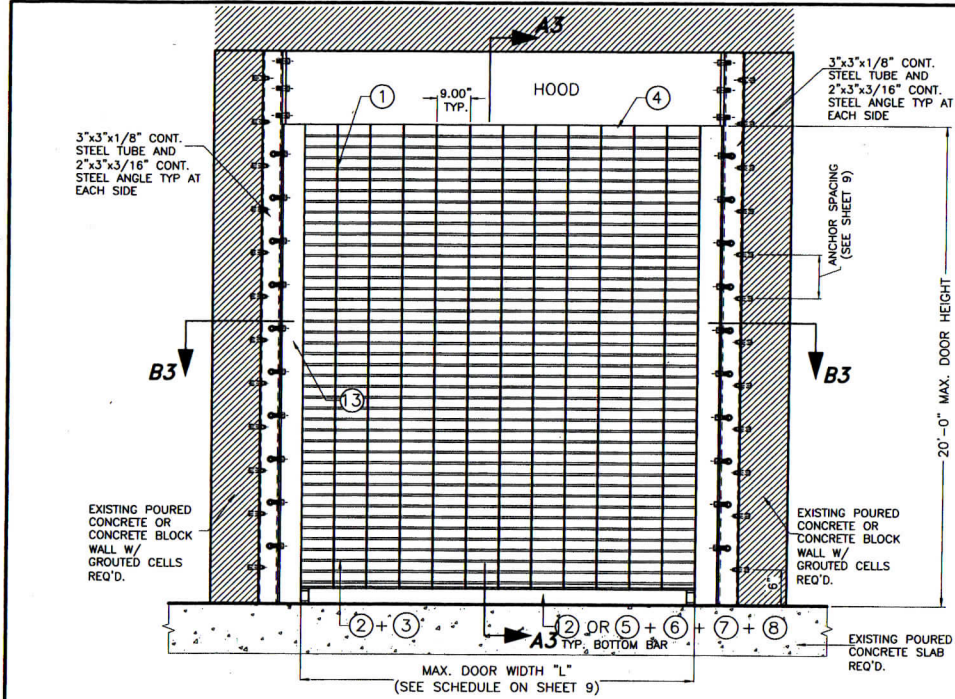
DOOR MAY REMAIN ROLLED DOWN FOR WIND VELOCITY
GREATER THAN 74 m.p.h. (SEE NOTE 2/1)
SCALE: 3/8" = 1"
(SEE COMPONENTS SPECS. ON SHEET 2)

* INSIDE FACE OF 3" LEG OF STEEL ANGLE TO BE PAINTED WITH ASPHALTIC PAINT TO PREVENT GALVANIC REACTION WITH ALUMINUM GUIDE (3)



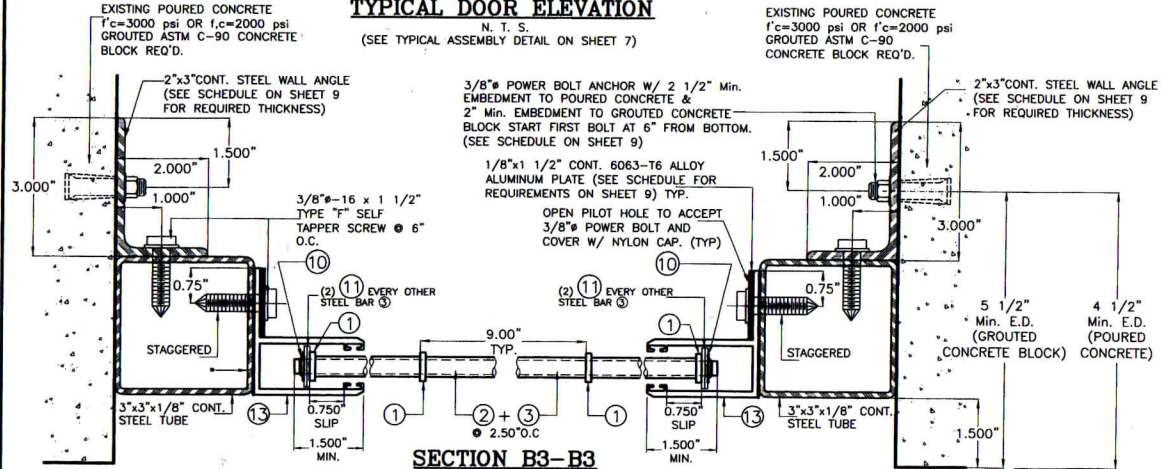
FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

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TYPICAL DOOR ELEVATION

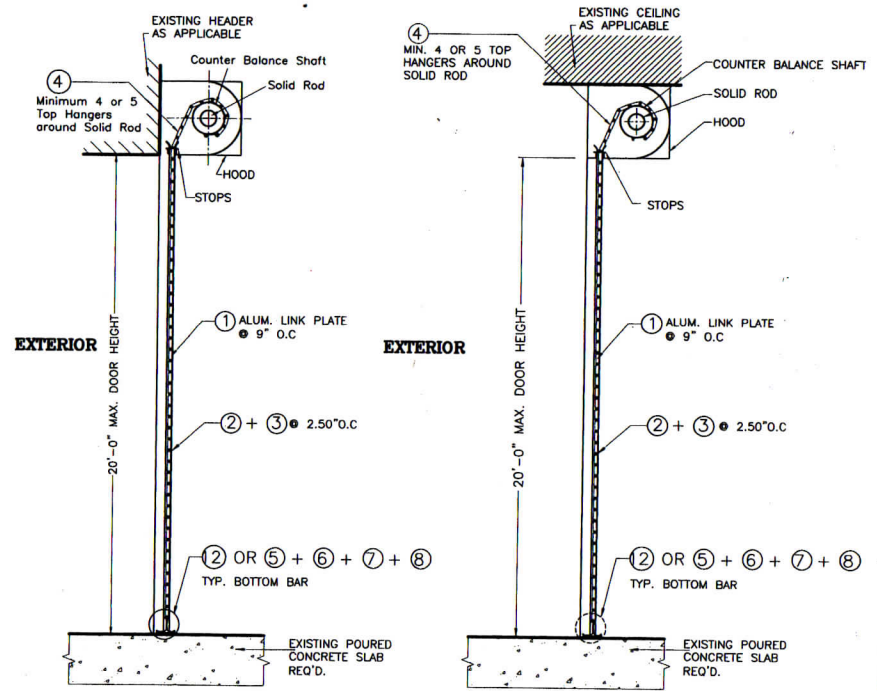
N. T. S.
(SEE TYPICAL ASSEMBLY DETAIL ON SHEET 7)



SECTION B3-B3

DOOR MAY REMAIN ROLLED DOWN FOR WIND VELOCITY GREATER THAN 74 m.p.h. (SEE NOTE 3/1)

SCALE : 3/8" = 1"
(SEE COMPONENTS SPECS. ON SHEET 2)



OPTION # 1

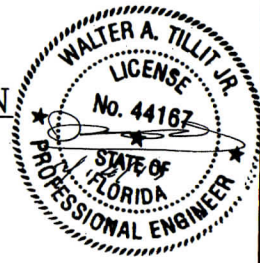
OPTION # 2

SECTION A3-A3

N.T.S.

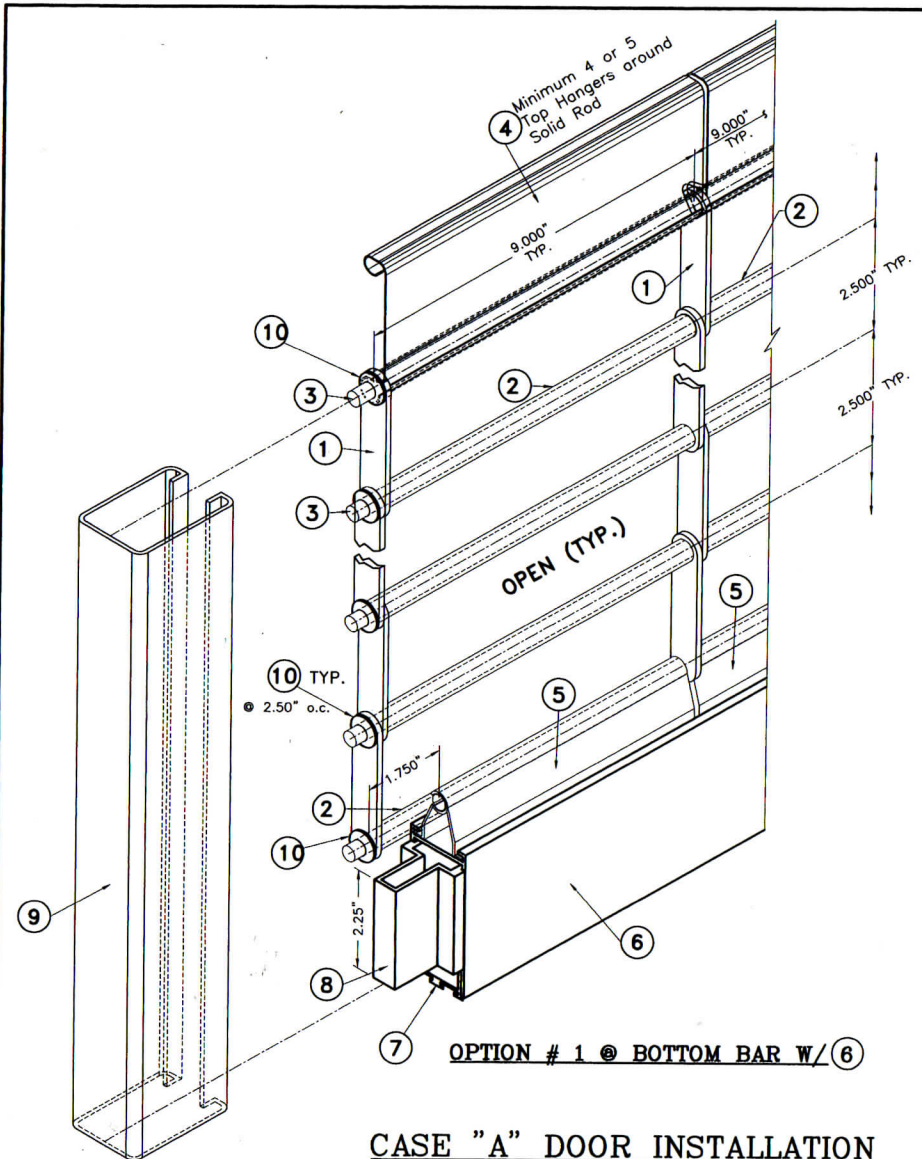
CASE "C" DOOR INSTALLATION

* INSIDE FACE OF 3" FACE OF STEEL TUBE TO BE PAINTED WITH ASPHALTIC PAINT TO PREVENT GALVANIC REACTION WITH ALUMINUM GUIDE (13)

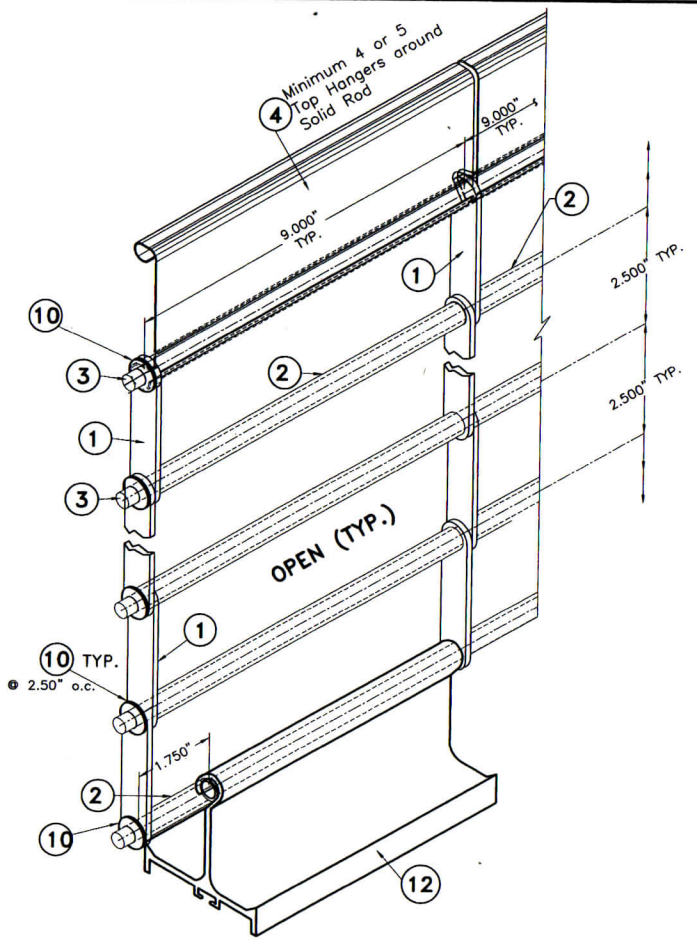


FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

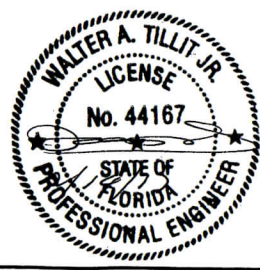
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**CASE "A" DOOR INSTALLATION
ASSEMBLY DETAILS
(ISOMETRIC).**
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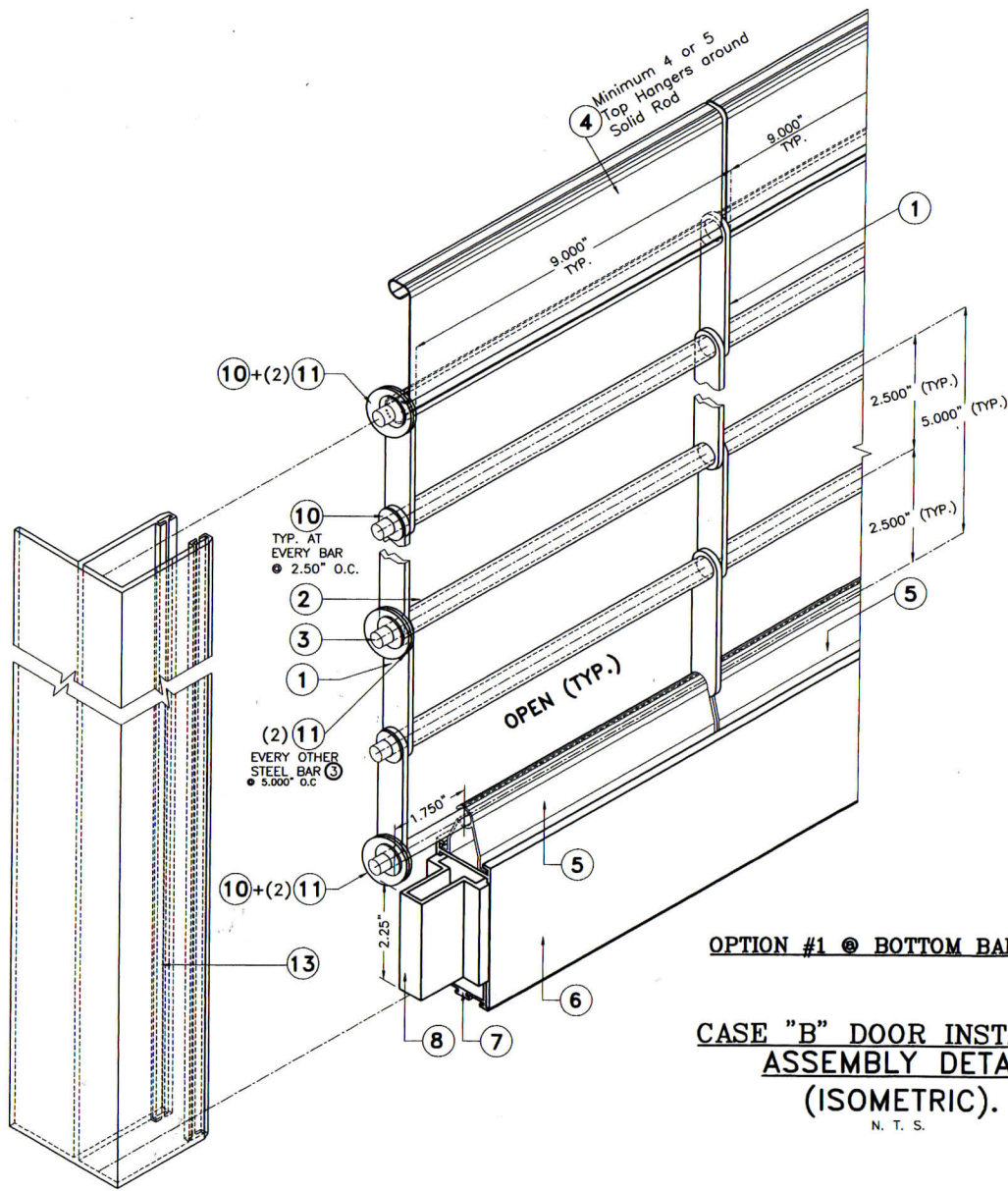


OPTION # 2 @ BOTTOM BAR W/ (12)

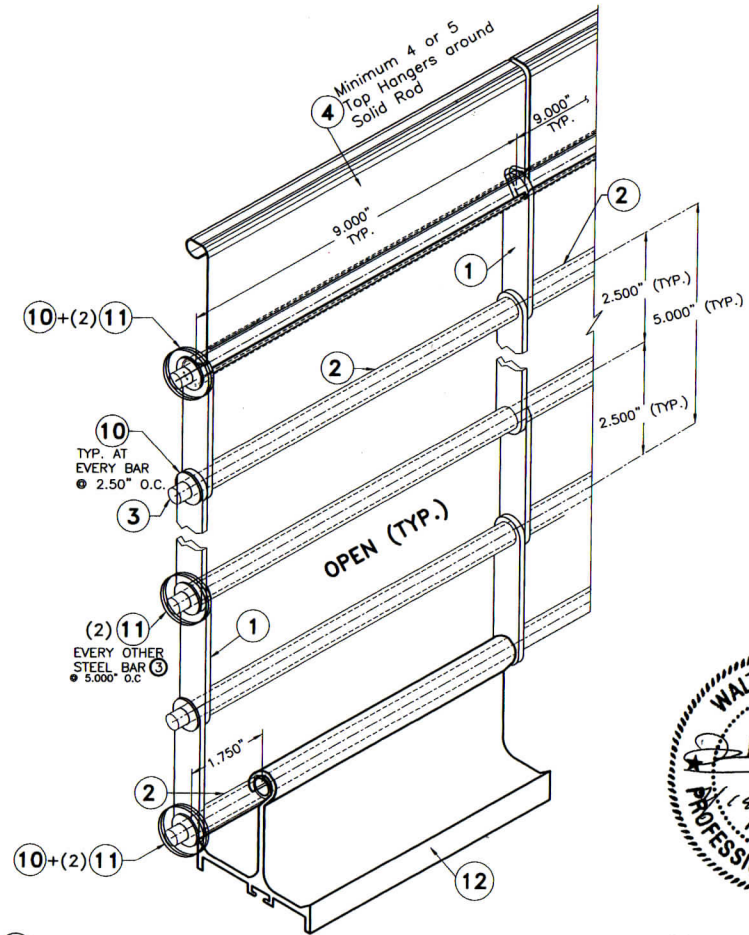


FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

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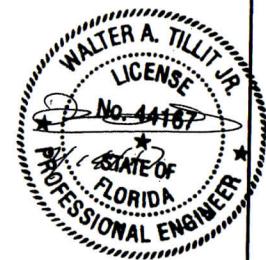


OPTION #1 @ BOTTOM BAR W/ (6)



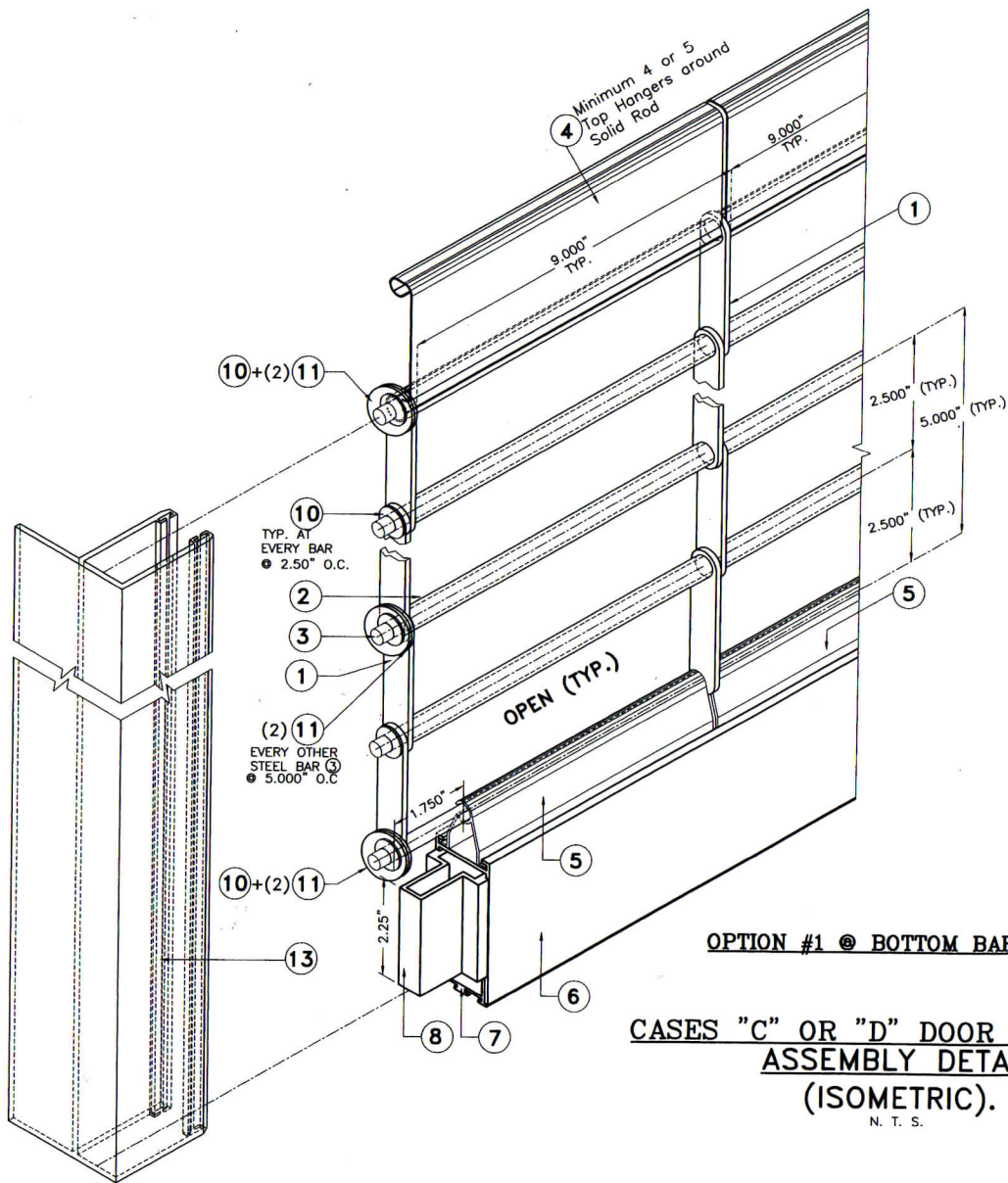
OPTION #2 @ BOTTOM BAR W/ (12)

**CASE "B" DOOR INSTALLATION
ASSEMBLY DETAILS
(ISOMETRIC).**
N. T. S.

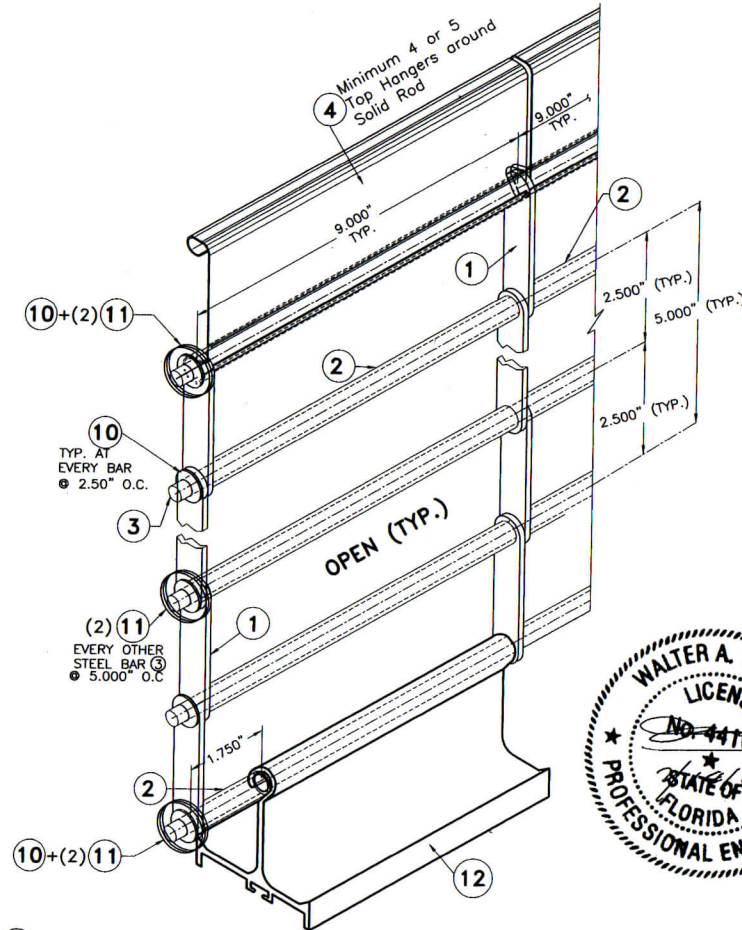


FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

©2017 TILTECO, INC. TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 30th St., Ste. 305, Miramar Gardens, Florida 33166 Phone: (305)871-1530 - Fax: (305)871-1531 e-mail: tilteco@aol.com EB-0008719 WALTER A. TILLIT Jr., P.E. FLORIDA Lic. # 44167		ROLLING GRILLE DOOR XOEZ IMPORT & EXPORT, INC. dba.RollingDoors.com 7214 NW 78th TERRACE MEDLEY, FL 33166 PHONE: (305)885-7590 EMAIL: info@rollingdoors.com	F.R.L. DRAWN BY: 02/07/17 DATE: 17-015 DRAWING No SHEET 6A OF 11																		
<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>-</td> <td>-</td> <td>3</td> <td>-</td> <td>-</td> </tr> <tr> <td>2</td> <td>-</td> <td>-</td> <td>4</td> <td>-</td> <td>-</td> </tr> </tbody> </table>	REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	1	-	-	3	-	-	2	-	-	4	-	-			
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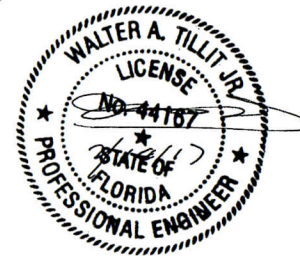


OPTION #1 @ BOTTOM BAR W/ (6)



OPTION #2 @ BOTTOM BAR W/ (12)

**CASES "C" OR "D" DOOR INSTALLATION
ASSEMBLY DETAILS
(ISOMETRIC).**
N. T. S.



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

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REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
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**MAXIMUM FORCES (lb/ft) Vy & Vx SCHEDULE FOR
A ASD GIVEN BUILDING'S MEAN ROOF HEIGHT (Z),
& DOOR WIDTH (L).**

Z (ft)	DOOR WIDTH (L)					
	10' OR LESS	>10' TO 12'	>12' TO 16'	>16' TO 20'	>20' TO 24'	>24' TO 30'
15' OR LESS	46.5	55.8	74.4	93.0	111.6	139.5
	139.1	183.9	277.3	375.6	478.1	637.6
> 15' TO 20'	48.6	58.3	77.5	97.1	111.6	145.7
	145.3	192.0	288.9	391.1.6	478.1	663.3
> 20' TO 30'	52.0	62.4	83.2	104.0	124.8	156.0
	155.7	205.2	308.3	416.8	529.9	705.7
> 30' TO 40'	54.9	65.8	87.8	109.7	124.8	164.6
	164.3	216.1	324.3	438.1	529.9	740.8
> 40' TO 50'	57.0	68.4	91.2	114.0	136.8	171.0
	170.7	224.3	336.2	454.0	576.5	766.9
> 50' TO 60'	59.0	71.0	94.2	118.0	141.4	177.0
	177.0	232.0	346.8	468.0	594.2	790.0
> 60' TO 100'	64.0	76.8	102.4	128.0	153.6	192.0
	191.7	251.0	375.0	505.5	641.1	851.4
> 100' TO 150'	70.5	84.6	112.8	141.0	169.2	164.2**
	211.0	275.6	410.7	552.8	700.3	739.2**
> 150' TO 200'	72.5	87.0	116.0	145.0	174.0	174.3**
	216.9	283.1	421.6	567.2	718.4	780.4**
> 200' TO 300'	77.5	93.0	124.0	155.0	186.0	189.9**
	231.6	301.8	448.7	603.2	763.5	842.9**

**FORCE
LEGEND**

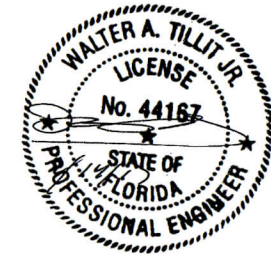
Vy
Vx

**MAXIMUM ANCHOR * SPACING SCHEDULE FOR A
GIVEN BUILDING'S MEAN ROOF HEIGHT (Z),
DOOR WIDTH (L) & SUBSTRATE TYPE.**

Z (ft)	DOOR WIDTH (L)					
	10' OR LESS	>10' TO 12'	>12' TO 16'	>16' TO 20'	>20' TO 24'	>24' TO 30'
15' OR LESS	12"	12"	12"	9"	7 1/2"	◆5 1/2"
	8 1/2"	6 1/2"	4 1/2"	-	-	-
> 15' TO 20'	12"	12"	12"	9"	7 1/2"	◆5 1/2"
	8 1/2"	6 1/2"	4 1/2"	-	-	-
> 20' TO 30'	12"	12"	11"	8 1/2"	6 1/2"	◆ 5"
	7 1/2"	6"	4"	-	-	-
> 30' TO 40'	12"	12"	11"	8 1/2"	6 1/2"	◆ 5"
	7 1/2"	6"	4"	-	-	-
> 40' TO 50'	12"	12"	10"	7 1/2"	6"	◆4 1/2"
	7"	5 1/2"	4"	-	-	-
> 50' TO 60'	12"	12"	10"	7 1/2"	6"	◆4 1/2"
	7"	5 1/2"	4"	-	-	-
> 60' TO 100'	12"	12"	9"	7"	◆5 1/2"	◆ 4"
	6 1/2"	5"	-	-	-	-
> 100' TO 150'	12"	12"	8"	6"	◆ 5"	◆ 5"***
	5 1/2"	4 1/2"	-	-	-	-
> 150' TO 200'	12"	11 1/2"	8"	6"	◆ 5"	◆4 3/4"***
	5 1/2"	4"	-	-	-	-
> 200' TO 300'	12"	11"	7 1/2"	◆ 5 1/2"	◆4 1/2"	◆ 4"***
	5 1/2"	4"	-	-	-	-

**SUBSTRATE
LEGEND**

CONCRETE
GROUTED CONCRETE BLOCK



** VALUES FOR Vx, Vy & ANCHOR SPACING ARE ONLY VALID FOR BUILDINGS LOCATED WITHIN EXPOSURE C & FOR RISK CATEGORY II BUILDINGS (CONDOMINIUMS OR COMMERCIAL)

* REQUIRES IS 3/8" POWER BOLT (SEE GENERAL NOTE 6 ON SHEET 1 FOR MIN. EMBEDMENT & EDGE DISTANCE REQUIREMENTS.)

◆ REQUIRES 1/8"x1 1/2" CONT. 6063-T6 ALLOY ALUMINUM PLATE © TRACK ⑬

CASE "B" DOOR INSTALLATION

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

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<p>TILTECO INC. TILLIT TESTING & ENGINEERING COMPANY 8355 N.W. 36th St., Ste. 305, WINDHAM GARDENS, FLORIDA 33168 Phone: (305)871-1530 Fax: (305)871-1531 e-mail: tiltco@aol.com EB-0006719 WALTER A. TILLIT JR., P.E. FLORIDA Lic. # 44167</p>		XOEZ IMPORT & EXPORT, INC. dba.RollingDoors.com 7214 NW 78th TERRACE MEDLEY, FL 33166 PHONE: (305)885-7590 EMAIL: info@rollingdoors.com		02/07/17 DATE:																	
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2	-	-	4	-	-																
				SHEET 8 OF 11																	

MAXIMUM FORCES (lb/ft) Vy & Vx SCHEDULE FOR A ASD GIVEN BUILDING'S MEAN ROOF HEIGHT (Z), & DOOR WIDTH (L).

Z (ft)	DOOR WIDTH (L)					
	10' OR LESS	>10' TO 12'	>12' TO 16'	>16' TO 20'	>20' TO 24'	>24' TO 30'
15' OR LESS	46.5	55.8	74.4	93.0	111.6	139.5
	139.1	183.9	277.3	375.6	478.1	637.6
> 15' TO 20'	48.6	58.3	77.5	97.1	111.6	145.7
	145.3	192.0	288.9	391.1.6	478.1	663.3
> 20' TO 30'	52.0	62.4	83.2	104.0	124.8	156.0
	155.7	205.2	308.3	416.8	529.9	705.7
> 30' TO 40'	54.9	65.8	87.8	109.7	124.8	164.6
	164.3	216.1	324.3	438.1	529.9	740.8
> 40' TO 50'	57.0	68.4	91.2	114.0	136.8	171.0
	170.7	224.3	336.2	454.0	576.5	766.9
> 50' TO 60'	59.0	71.0	94.2	118.0	141.4	177.0
	177.0	232.0	346.8	468.0	594.2	790.0
> 60' TO 100'	64.0	76.8	102.4	128.0	153.6	192.0
	191.7	251.0	375.0	505.5	641.1	851.4
> 100' TO 150'	70.5	84.6	112.8	141.0	169.2	164.2**
	211.0	275.6	410.7	552.8	700.3	739.2**
> 150' TO 200'	72.5	87.0	116.0	145.0	174.0	174.3**
	216.9	283.1	421.6	567.2	718.4	780.4**
> 200' TO 300'	77.5	93.0	124.0	155.0	186.0	189.9**
	231.6	301.8	448.7	603.2	763.5	842.9**

FORCE LEGEND

Vy
Vx

MAXIMUM ANCHOR * SPACING SCHEDULE FOR A GIVEN BUILDING'S MEAN ROOF HEIGHT (Z), DOOR WIDTH (L) & SUBSTRATE TYPE.

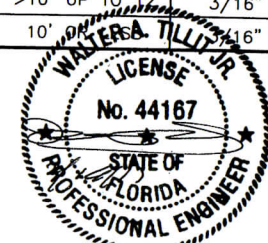
Z (ft)	DOOR WIDTH (L)					
	10' OR LESS	>10' TO 12'	>12' TO 16'	>16' TO 20'	>20' TO 24'	>24' TO 30'
15' OR LESS	12"	12"	12"	12"	12"	◆ 11"
	12"	12"	8 1/2"	6 1/2"	5"	◆ 4"
> 15' TO 20'	12"	12"	12"	12"	12"	◆ 11"
	12"	12"	8 1/2"	6 1/2"	5"	◆ 4"
> 20' TO 30'	12"	12"	12"	12"	12"	◆ 9 1/2"
	12"	10 1/2"	7 1/2"	5 1/2"	4"	-
> 30' TO 40'	12"	12"	12"	12"	12"	◆ 9 1/2"
	12"	10 1/2"	7 1/2"	5 1/2"	4"	-
> 40' TO 50'	12"	12"	12"	12"	11"	◆ 9"
	11"	9 1/2"	6 1/2"	5"	4"	-
> 50' TO 60'	12"	12"	12"	12"	◆ 11"	9"
	11"	9 1/2"	6 1/2"	5"	4"	-
> 60' TO 100'	12"	12"	12"	12"	◆ 10 1/2"	◆ 8"
	10"	8 1/2"	6"	4"	4"	-
> 100' TO 150'	12"	12"	12"	11"	◆ 9 1/2"	◆ 7**
	9 1/2"	7 1/2"	5 1/2"	4"	-	-
> 150' TO 200'	12"	12"	12"	11"	◆ 9"	◆ 7**
	9 1/2"	7 1/2"	5 1/2"	4"	-	-
> 200' TO 300'	12"	11"	12"	◆ 10 1/2"	◆ 8 1/2"	◆ 6 1/2**
	9"	7"	5"	◆ 4"	-	-

SUBSTRATE LEGEND

CONCRETE
GROUTED CONCRETE BLOCK

MINIMUM REQ'D WALL ANGLE THICKNESS FOR MAXIMUM DOOR WIDTH "L" SCHEDULE FOR A GIVEN BUILDING'S MEAN ROOF HEIGHT "Z" (L).

Z (ft) = BUILDINGS MEAN ROOF HEIGHT	Lmax. (ft) DOOR WIDTH	† (in) MIN. REQ'D WALL ANGLE THICKNESS
300' OR LESS	>16' UP TO 30'	5/16"
300' OR LESS	>12' UP TO 16'	1/4"
300' OR LESS	>10' UP TO 12'	3/16"
300' OR LESS	10' OR LESS	1/16"



** VALUES FOR Vx, Vy & ANCHOR SPACING ARE ONLY VALID FOR BUILDINGS LOCATED WITHIN EXPOSURE C & FOR RISK CATEGORY II BUILDINGS (CONDOMINIUMS OR COMMERCIAL)

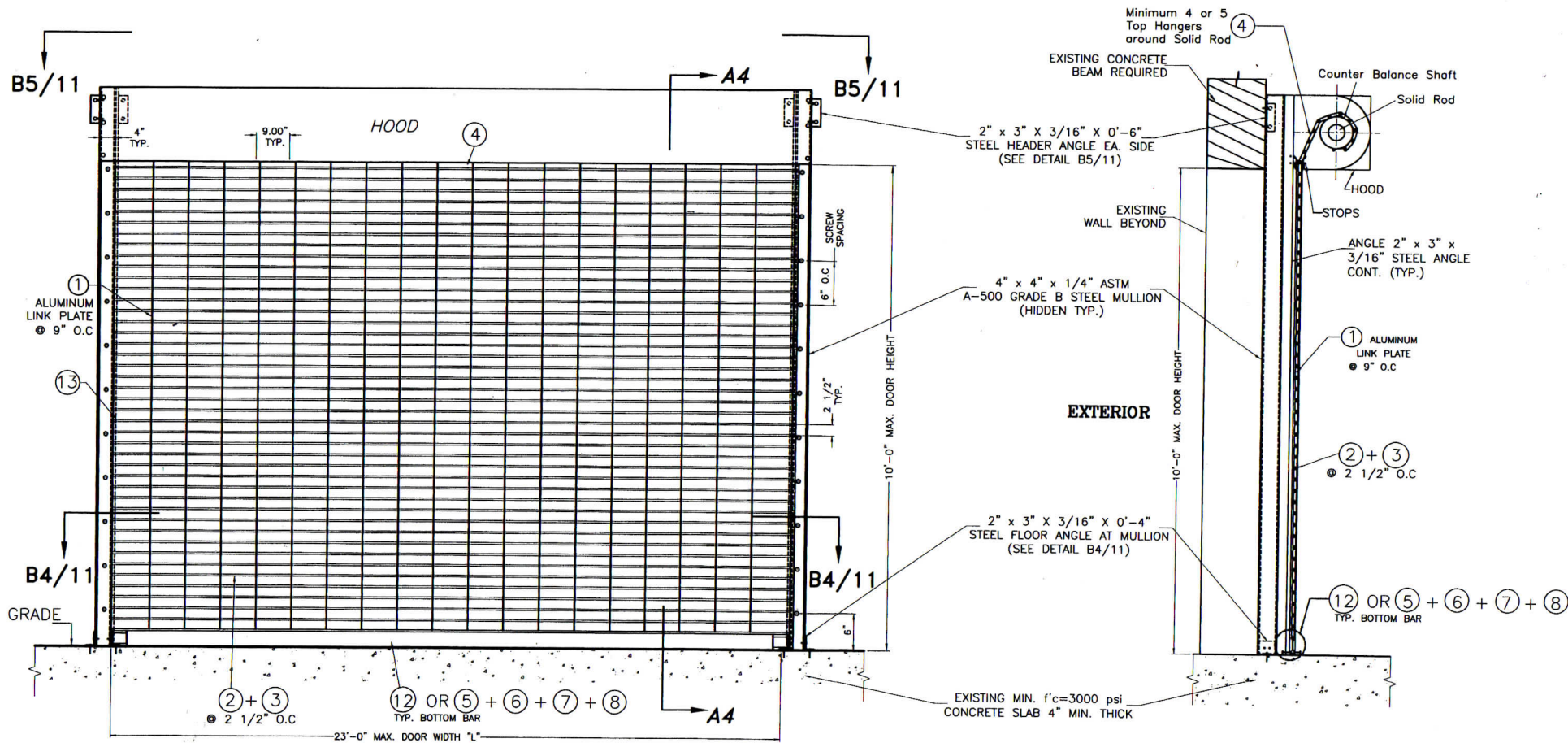
* REQUIRES IS 3/8" POWER BOLT (SEE GENERAL NOTE 6 ON SHEET 1 FOR MIN. EMBEDMENT & EDGE DISTANCE REQUIREMENTS.)

◆ REQUIRES 1/8"x1 1/2" CONT. 6063-T6 ALLOY ALUMINUM PLATE @ TRACK ⑬

CASE "C" DOOR INSTALLATION

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

<p>TILLIT TESTING & ENGINEERING COMPANY 8355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FLORIDA 33166 Phone: (305)871-1530 Fax: (305)871-1531 e-mail: tilliteco@tilliteco.com EB-0006719 WALTER A. TILLIT Jr., P.E. FLORIDA Lic. # 44167</p>	<p>ROLLING GRILLE DOOR</p> <p>XOEZ IMPORT & EXPORT, INC. 880.RollingDoors.com 7214 NW 78th TERRACE MEDLEY, FL 33166 PHONE: (305)885-7590 EMAIL: info@rollingdoors.com</p>		<p>F.R.L. DRAWN BY: 02/07/17 DATE: 17-015 DRAWING No</p>																	
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TYPICAL DOOR ELEVATION

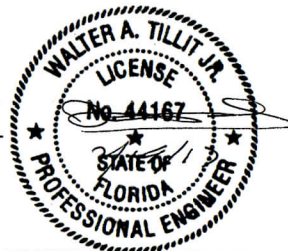
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(SEE TYPICAL ASSEMBLY DETAIL ON SHEET 6A)

SECTION A4-A4

N. T. S.

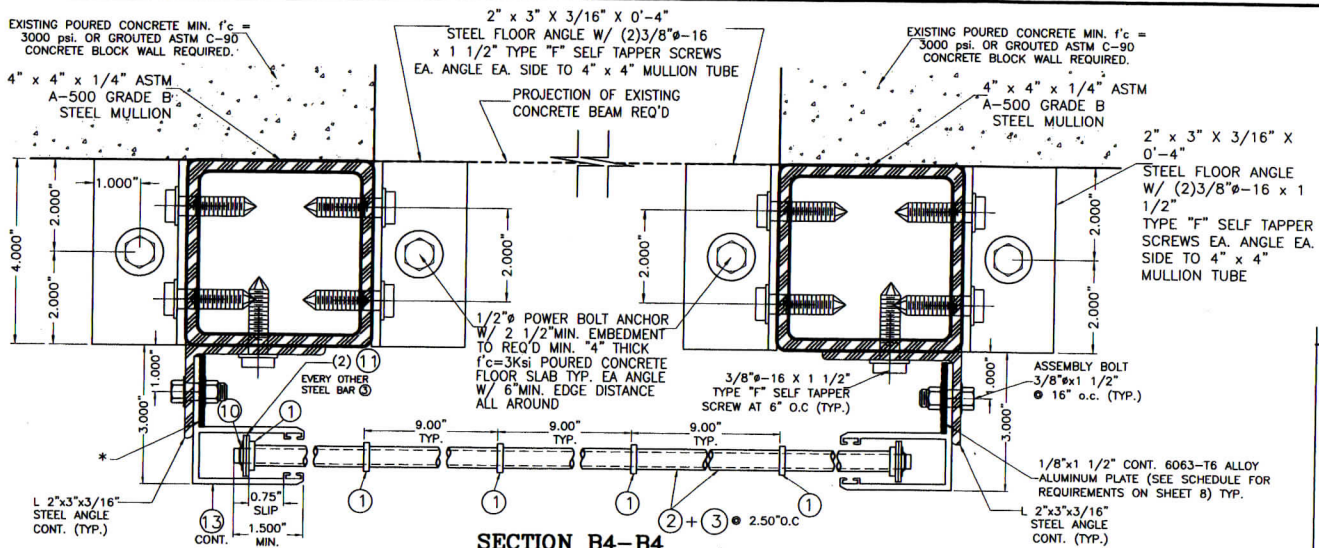
CASE "D" DOOR INSTALLATION

(LIMITED TO BUILDINGS W/MEAN ROOF HEIGHT "Z" OF 30'-0"
LOCATED WITHIN EXPOSURE C AND FOR RISK CATEGORY II BUILDINGS)



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

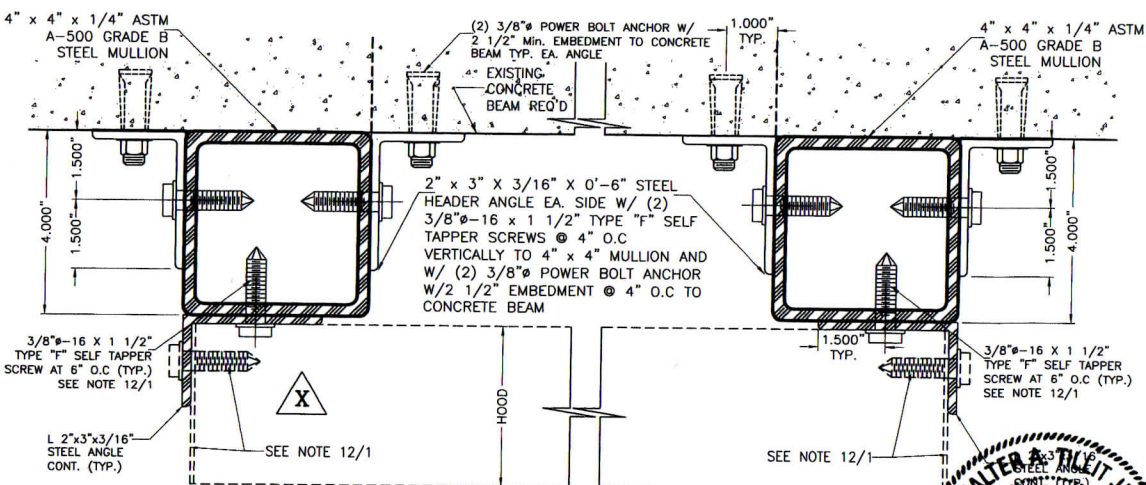
©2017 TILTECO, INC.		ROLLING GRILLE DOOR		F.R.L.																	
 TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 35th St., Ste. 305, WILMINGTON GARDENS, FLORIDA 33168 Phone: (305)871-1530 · Fax: (305)871-1531 e-mail: tilliteco@aol.com EB-0006719 WALTER A. TILLIT Jr., P.E. FLORIDA Lic. # 44167		XOEZ IMPORT & EXPORT, INC. dba.RollingDoors.com 7214 NW 78th TERRACE MEDLEY, FL 33166 PHONE: (305)885-7590 EMAIL: info@rollingdoors.com		DRAWN BY: 02/07/17 DATE: 17-015 DRAWING No																	
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2	-	-	4	-	-																



SECTION B4-B4

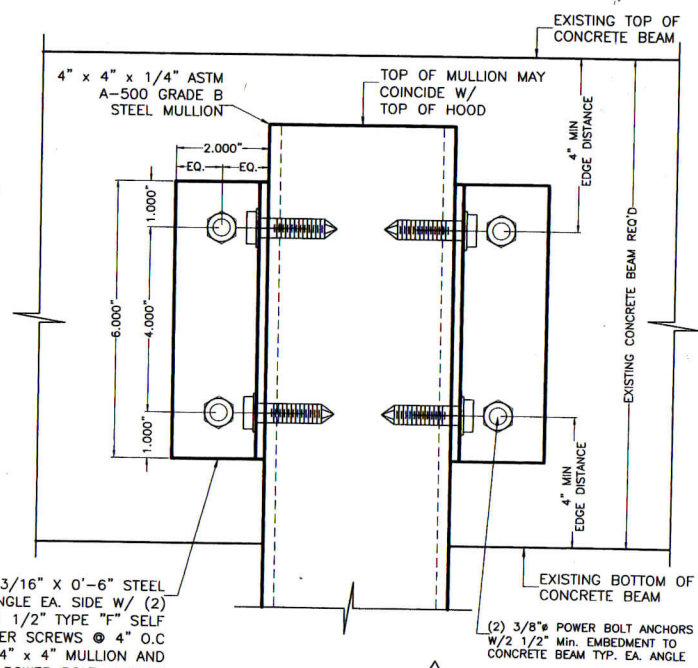
DOOR MAY REMAIN ROLLED DOWN FOR WIND VELOCITY
 GREATER THAN 74 m.p.h. (SEE NOTE 2/1)
 SCALE: 3/8" = 1"
 (SEE COMPONENTS SPECS. ON SHEET 2)

* INSIDE FACE OF 3" LEG OF STEEL ANGLE TO BE PAINTED WITH ASPHALTIC PAINT TO PREVENT GALVANIC REACTION WITH ALUMINUM GUIDE (3)

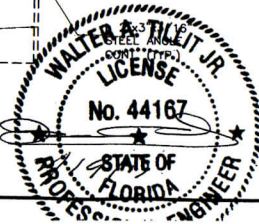


SECTION B5-B5

DOOR MAY REMAIN ROLLED DOWN FOR WIND VELOCITY
 GREATER THAN 74 m.p.h. (SEE NOTE 2/1)
 SCALE: 3/8" = 1"
 (SEE COMPONENTS SPECS. ON SHEET 2)



ELEVATION X
 (HOOD NOT SHOW FOR CLARITY)
 SCALE: 3/8" = 1"



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

		ROLLING GRILLE DOOR		F.R.L. DRAWN BY:	
TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 38th St., Ste. 305, VIRGINIA GARDENS, FLORIDA 33166 Phone: (305)871-1530 Fax: (305)871-1531 e-mail: tiltco@aol.com EB-0006719		XOEZ IMPORT & EXPORT, INC. dba.RollingDoors.com 7214 NW 78th TERRACE MEDLEY, FL 33166 PHONE: (305)885-7590 EMAIL: info@rollingdoors.com		02/07/17 DATE:	
WALTER A. TILLIT JR., P.E. FLORIDA Lic. # 44167		17-015		DRAWING No	
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1			3		
2			4		

SHEET 11 OF 11