

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 FOR EACH INSTALLATION SHALL BE DETERMINED AS PER SECTIONS 1620 (H.V.H.Z.) AND 1609 (N.H.V.H.Z.) 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** TAKING INTO CONSIDERATION POSSIBLE PRESSURIZATION OF STRUCTURE AS WELL AS WATER INFILTRATION DUE TO PERFORATED SLATS INSTALLATION, AND SHALL NOT EXCEED THE MAXIMUM (A.S.D.) DESIGN PRESSURE RATINGS INDICATED BELOW AND ON SHEET 5.

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.

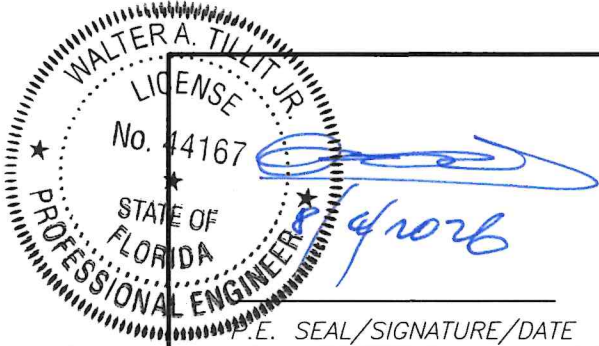
ROLL-UP DOOR'S ADEQUACY FOR IMPACT AND FATIGUE RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTIONS 1626 AND 1609.1.2 OF THE ABOVE MENTIONED CODE AS PER FTL, A QAI COMPANY LABORATORY REPORT # 12020 PER TAS-201, TAS 202 & TAS-203 PROTOCOLS.

MAX. A.S.D. DESIGN PRESSURE RATING: +70.0. -70.0 PSF 9Lb. 2"X4" 80ft/Sec. MISSILE

2. SLAT SHALL BE A.S.T.M. A-653 GR 50, MIN. 24 GAGE (0.023") STRUCTURAL QUALITY STEEL WITH MIN $F_y= 50.2$ ksi AND G-90 GALVANIZED PER A.S.T.M. A-653.
3. ALL STEEL ANGELS SHALL BE A.S.T.M. A-36 DESIGNATION, SHOP PRIMED AGAINST CORROSION PRIOR TO INSTALLATION. PAINT TO CONFORM TO FEDERAL SPECIFICATIONS CORRESPONDING TO GRAY PAINT OR EQUAL.
4. WINDLOCKS SHALL BE A.S.T.M. A-1011 GRADE 60 W/ A.S.T.M. A-123 G-60 GALVANIZED STEEL. ($F_y= 60$ ksi, $F_u= 80$ ksi).
5. ALL ASSEMBLY BOLTS SHALL BE S.A.E. GALVANIZED STEEL WITH 1000 hrs CORROSION RESISTANCE PER ASTM B-117.
6. CHANNEL GUIDE SHALL BE A.S.T.M/A-653 GR 30 STRUCTURAL QUALITY STEEL WITH MIN. $F_y=30.0$ Ksi. AND G-60 GALVANIZED PER ASTM A-653.
7. CLOSURE SLAT TO BE 24 GAGE A.S.T.M. A-653 DESIGNATION, GRADE 33, G-90 GALVANIZED STEEL.
8. ALL RIVETS SHALL BE A.I.S.I. 1/4" $\varnothing$ W/ 1/2" FLANGE A.I.S.I 1035 STEEL, CADMINUM PLATED, ZINC PLATED OR STAINLESS STEEL WITH MIN. $F_y= 37$ Ksi.
9. CONCRETE ANCHORS SHALL BE AS MANUFACTURED BY HILTI INC OR RED HEAD. 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. AS.1 OR A5.5 E70XX ELECTRODES.
11. INSULATION MATERIAL SHALL BE EPS EXPANDED POLYSTYRENE, MANUFACTURED BY DYPLAST PRODUCTS WITH 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 5 FOR V_x & V_y VALUES.
13. ROLL-UP MECHANISM AND HOOD ASSEMBLY ARE 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. ROLL-UP 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.

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

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



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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

30'-11" MAXIMUM WIDE, MIN. 24 GAGE
SLAT ROLL-UP DOOR (L.M.I, 80 Ft/Sec.)

BEST ROLLING DOORS Inc.
9780 NW 79th AVE.
HIALEAH GARDENS, FL 33016

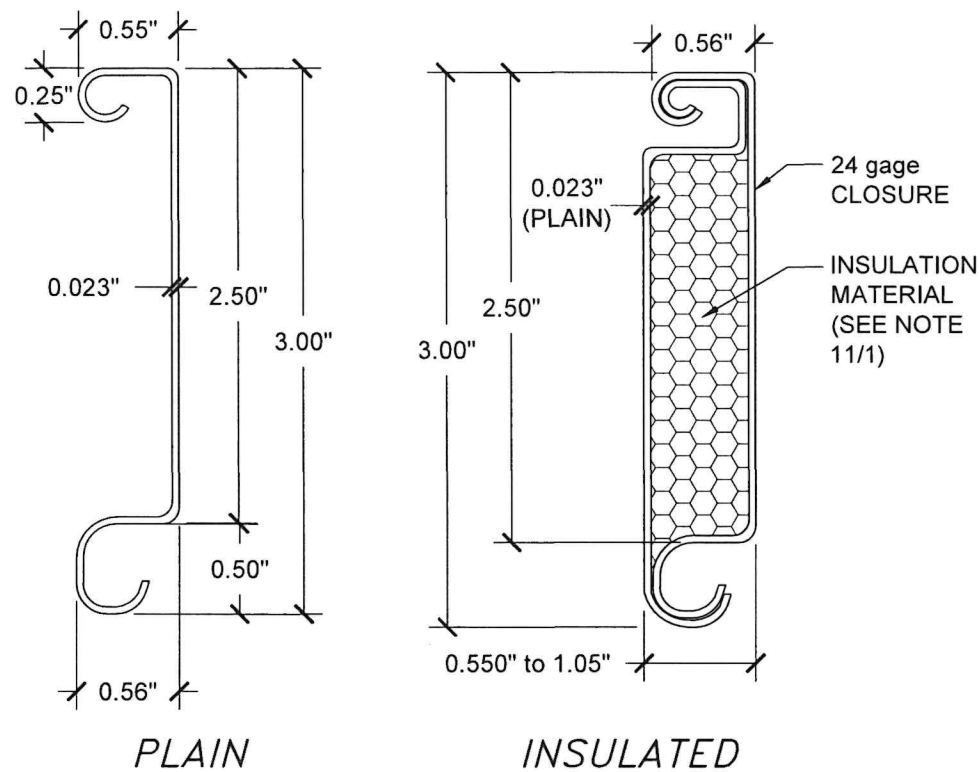
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6/22/2026
DATE

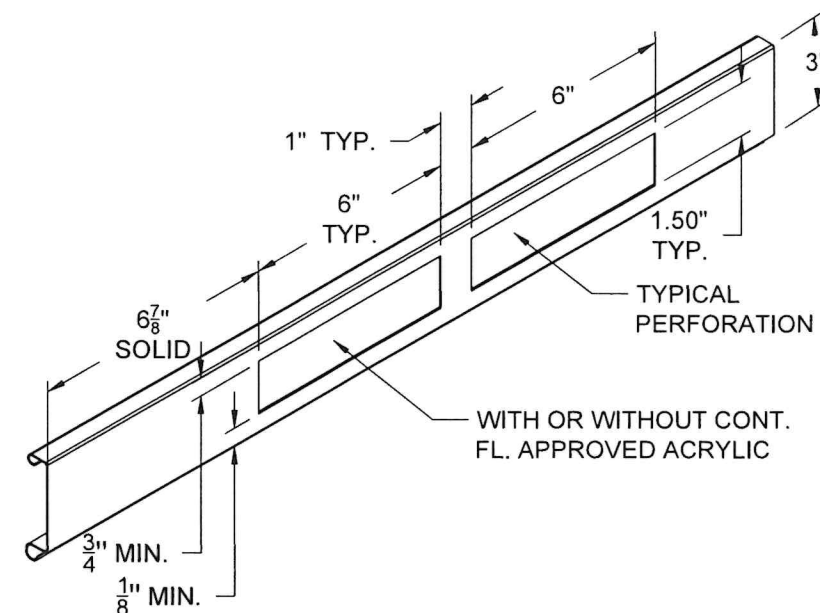
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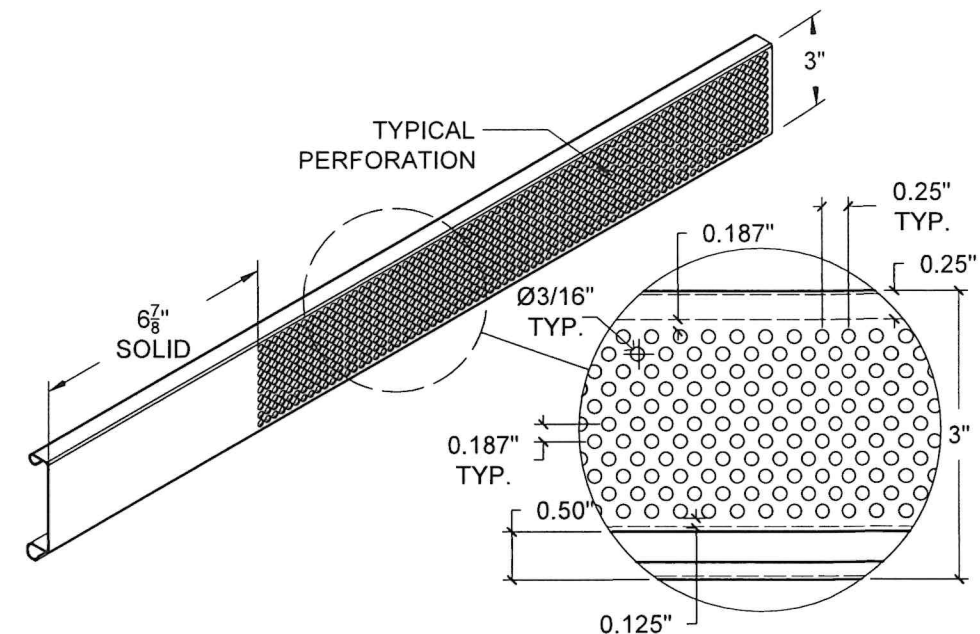
SHEET 1 OF 5



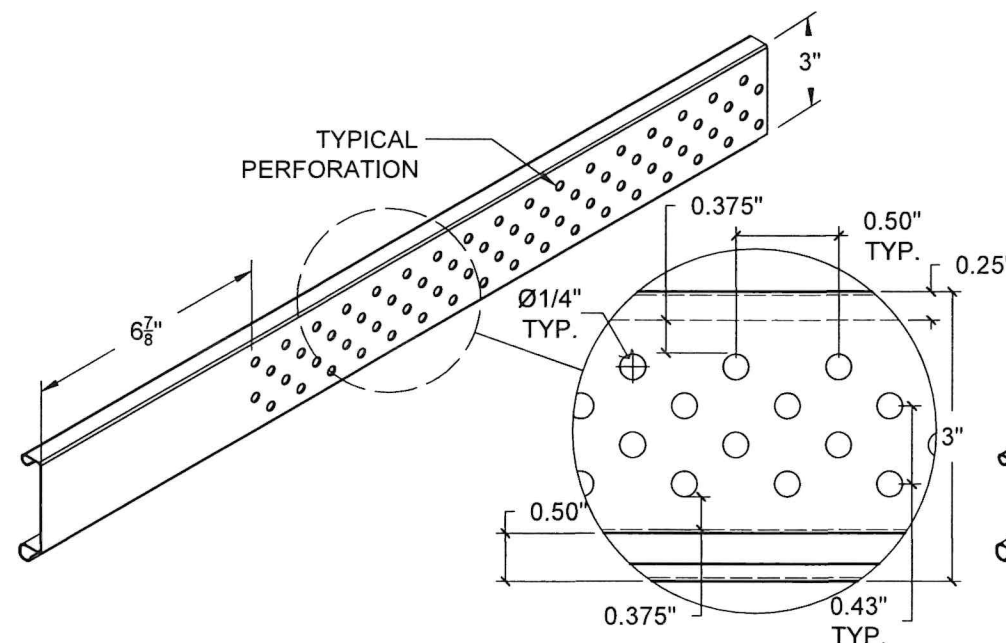
1 SOLID FLAT SLAT
(Model S10-7070)



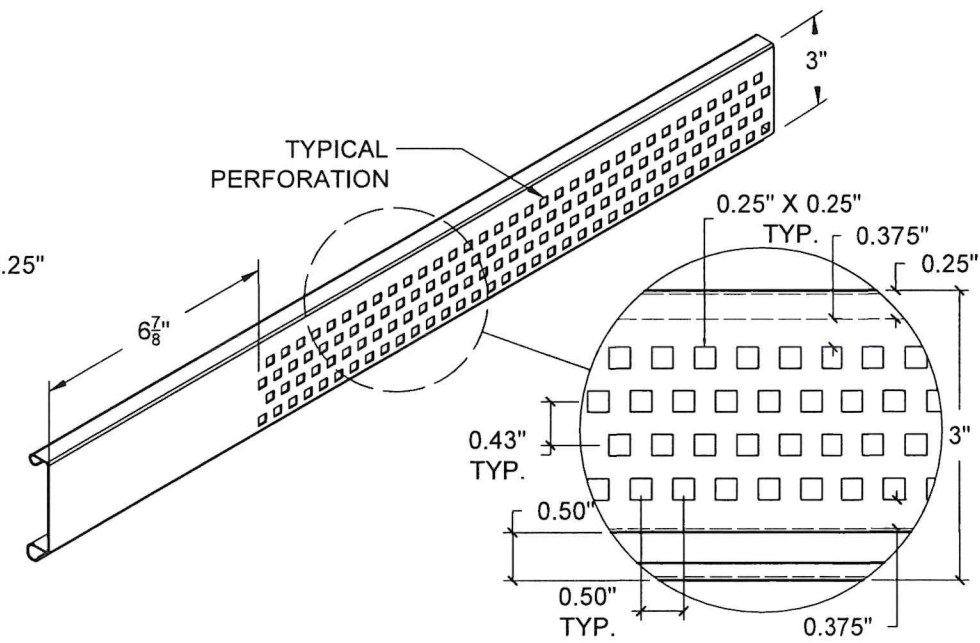
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1B PERFORATED FLAT SLAT 1



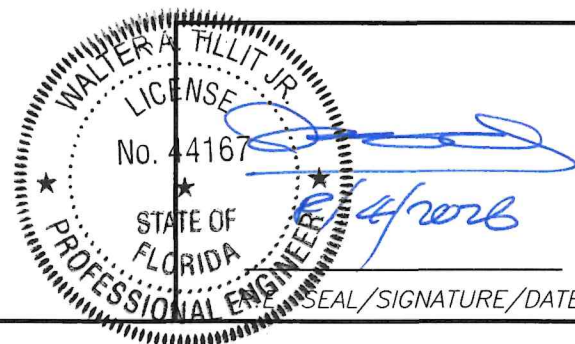
1C PERFORATED FLAT SLAT 1



1D PERFORATED FLAT SLAT 1

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COMPONENTS
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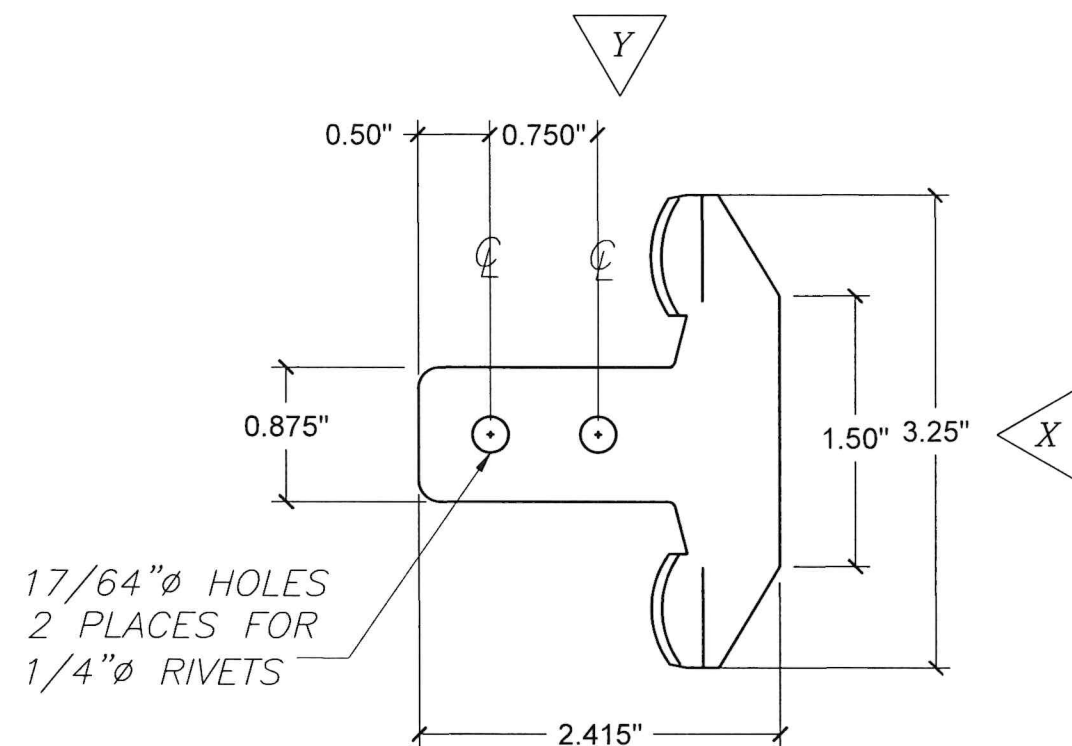
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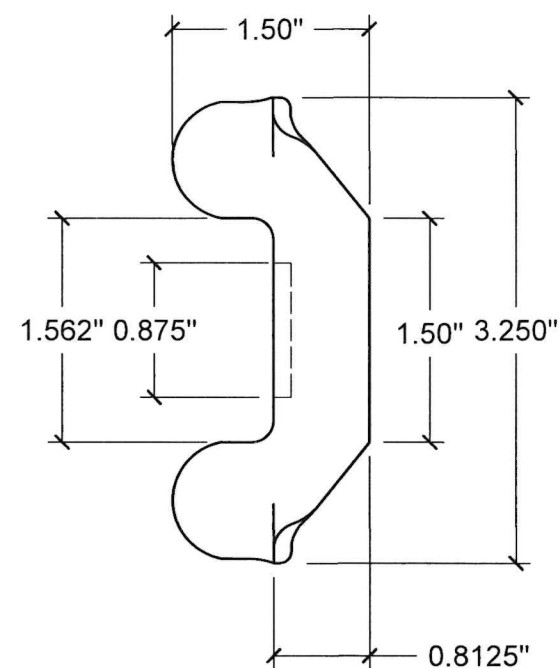
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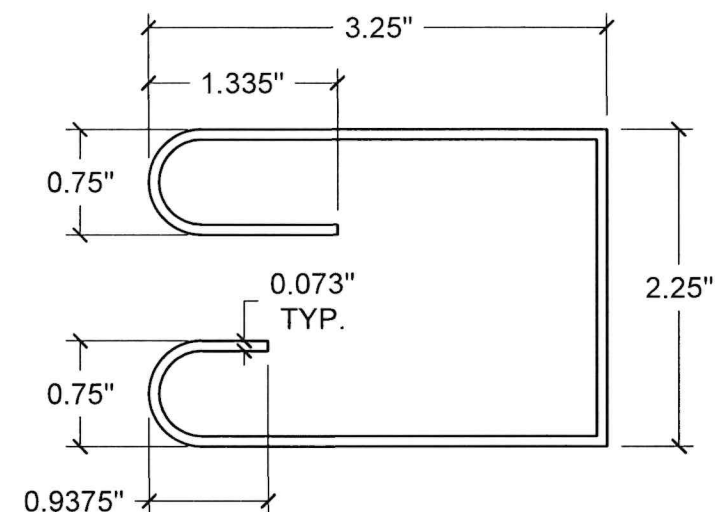
SHEET 2 OF 5



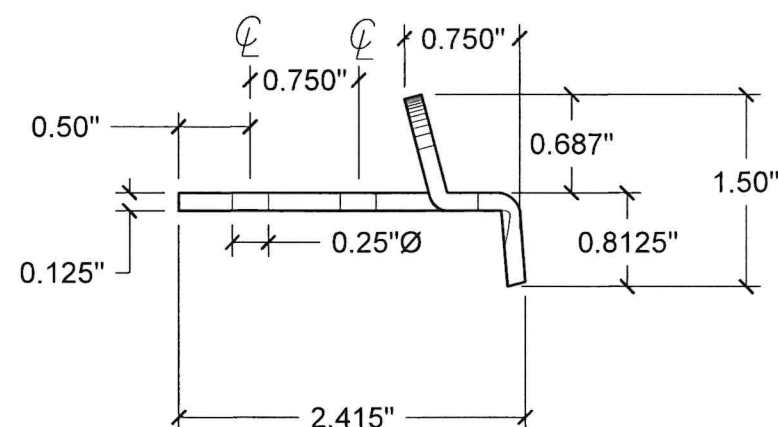
TYPICAL ELEVATION



VIEW X

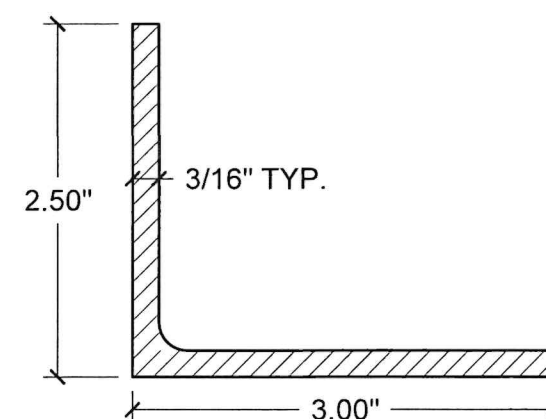


3 CHANNEL GUIDE



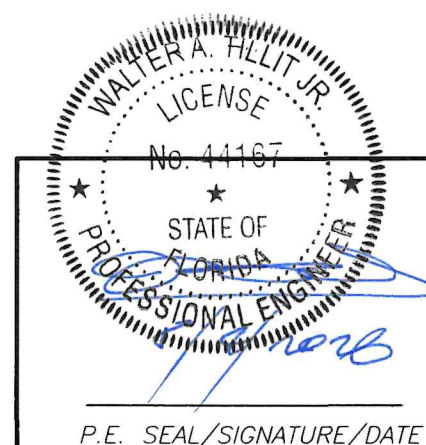
VIEW Y

2 WINDLOCK



4 TRACK ANGLE

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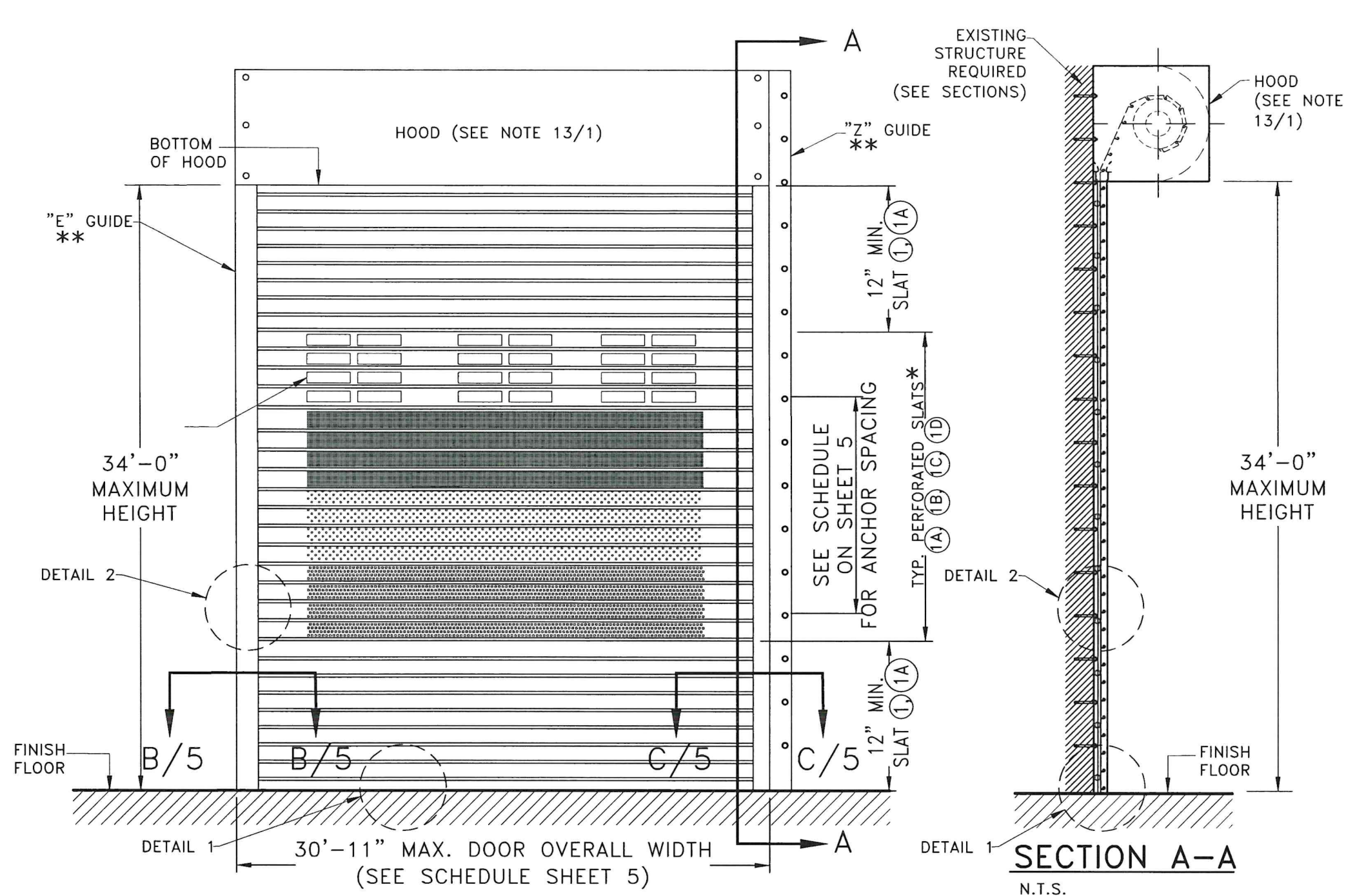
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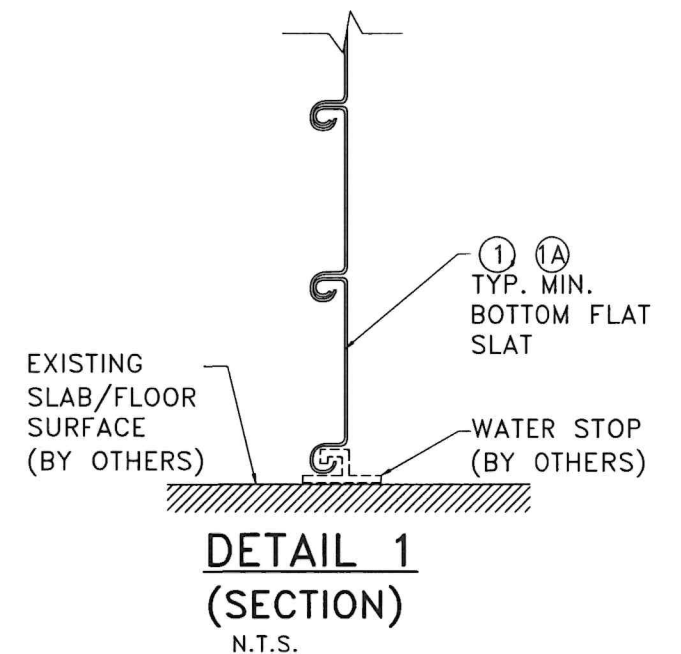
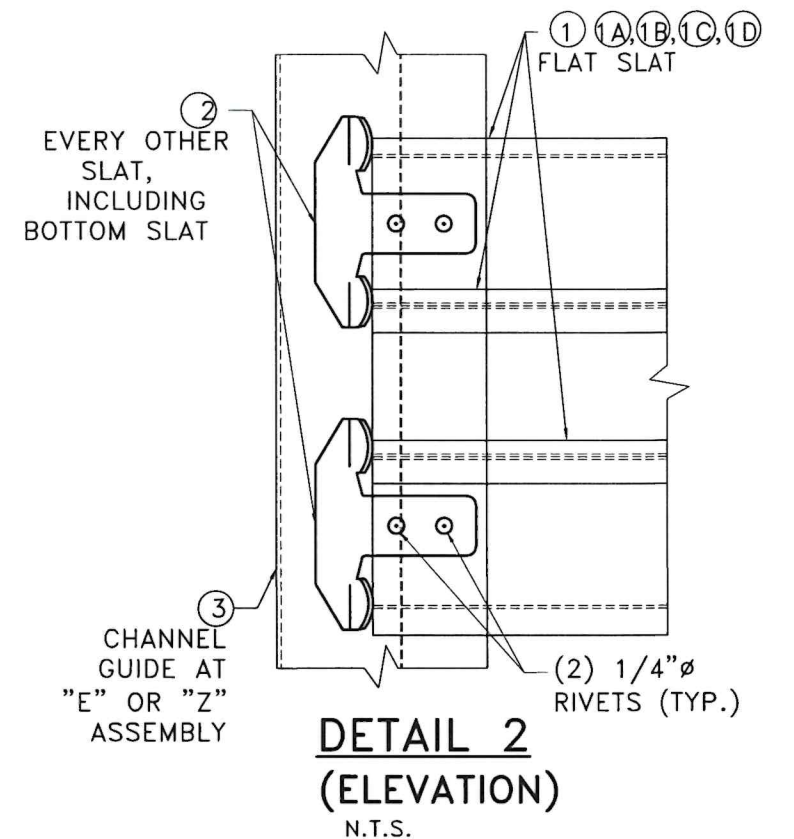
SHEET 3 OF 5



TYPICAL DOOR ELEVATION*
N.T.S.

* SLATS 1A, 1B, 1C, 1D MAYBE COMBINED AS NEEDED, HOWEVER TOP & BOTTOM 12" OF DOOR HEIGHT MUST USE SLAT 1 (SOLID) OR 1A. SEE NOTE 1/1 REGARDING DETERMINATION OF ASD DESIGN WIND LOAD.

** "E" & "Z" GUIDES MAYBE USED AS NEEDED ON A GIVEN INSTALLATION.



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LICENSE
No. 44167
STATE OF FLORIDA
PROFESSIONAL ENGINEER
P.E. SEAL/SIGNATURE/DATE

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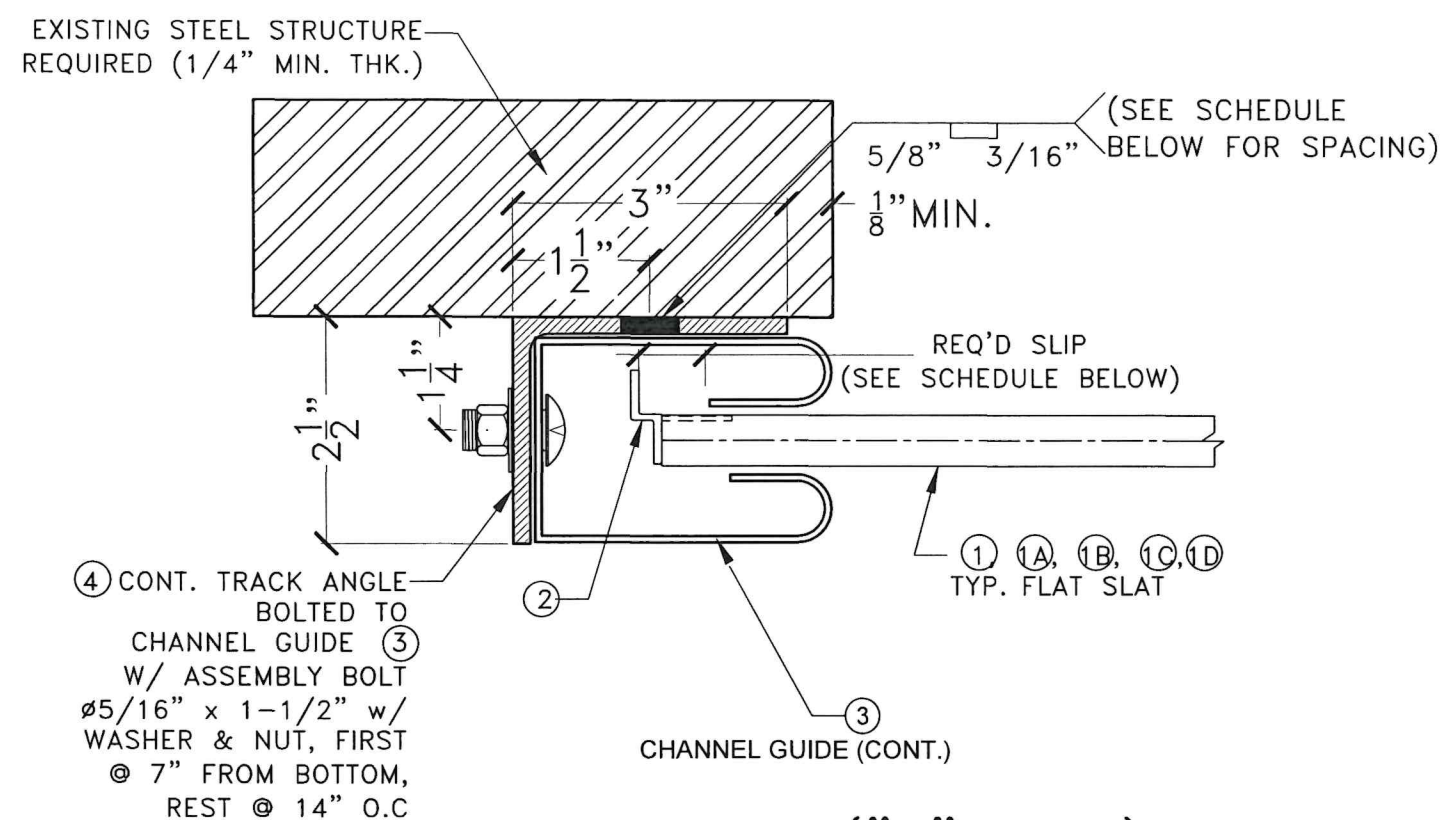
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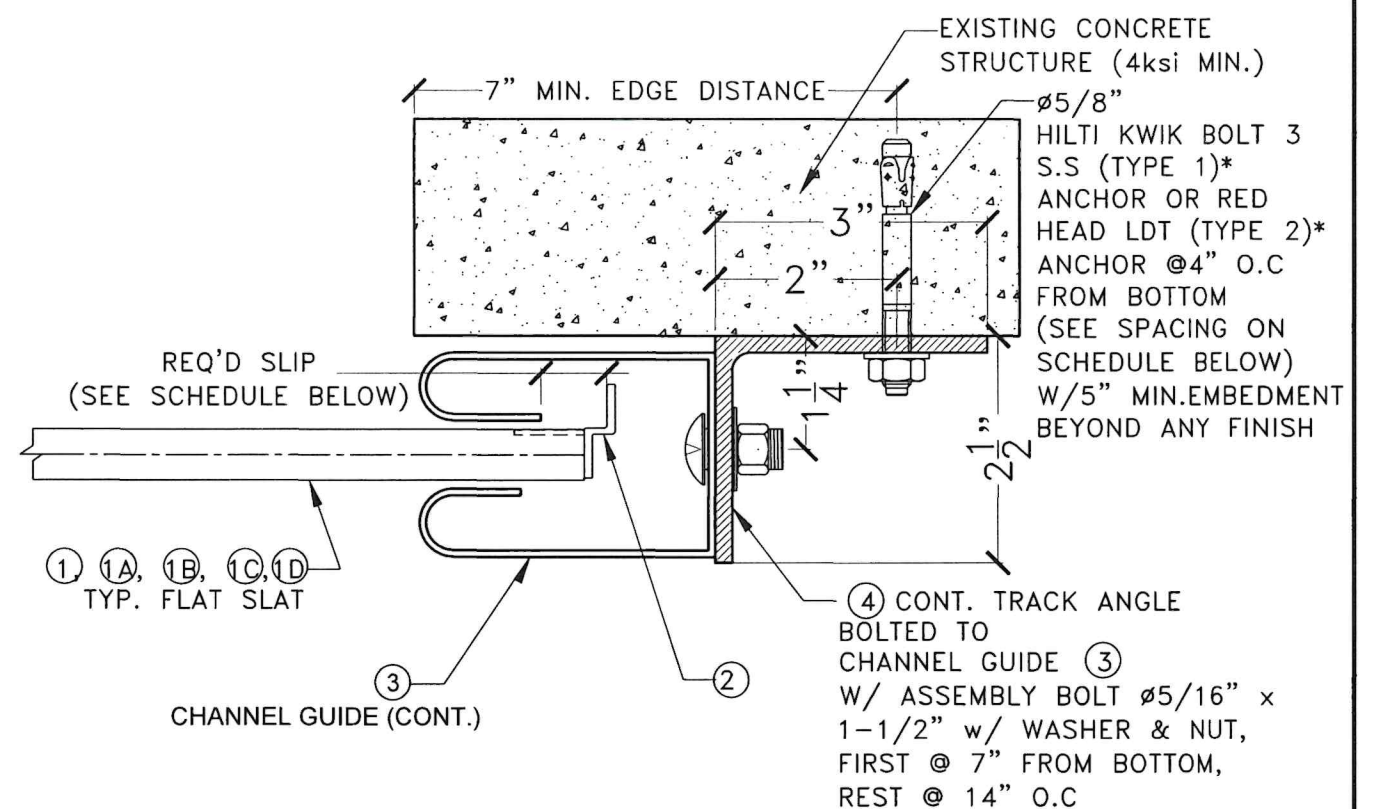
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SHEET 4 OF 5



SECTION B-B ("E" GUIDE)
N.T.S.



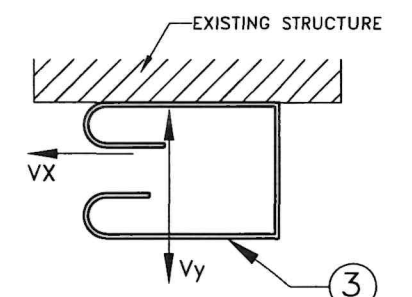
SECTION C-C ("Z" GUIDE)
N.T.S.

MAX. CONNECTION SPACING SCHEDULE BY MEANS OF CONCRETE ANCHOR OR PLUG WELDING TO EXISTING STRUCTURE, VALID FOR ±70.0 ASD PRESSURE RATING.

DOOR WIDTH	REQ'D SLIP	CONCRETE ANCHORS INTO 4000 PSI CONCRETE JAMB	PLUG WELD INTO 1/4" THICK. A36 STEEL JAMB
12'	1/2"	5/8" @ 14" O.C	5/8"Ø x 3/16" @ 14" O.C
16'	1"	5/8" @ 10" O.C	5/8"Ø x 3/16" @ 13" O.C
20'	1 1/4"	5/8" @ 8" O.C	5/8"Ø x 3/16" @ 10" O.C
25'	1 3/8"	5/8" @ 7" O.C	5/8"Ø x 3/16" @ 8" O.C
30'-11"	1 1/2"	5/8" @ 6" O.C	5/8"Ø x 3/16" @ 6" O.C

JAMB REACTIONS V_x, V_y SCHEDULE

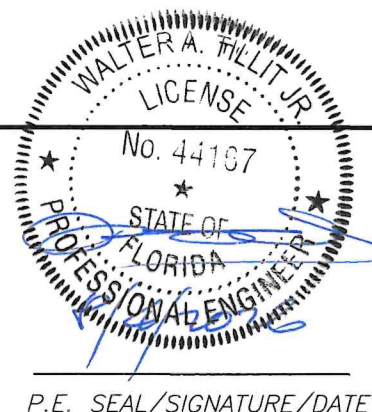
ASD PRESSURE RATING	DOOR WIDTH	DESIGN SLIP	V _x (lb/ft)	V _y (lb/ft)
+70/-70 OR LESS	12'	1/2"	1376	420
	16'	1"	1653	560
	20'	1-1/4"	2114	700
	25'	1-3/8"	2785	875
	30'-11"	1-1/2"	3578	1082



LOAD DIAGRAM ON CHANNEL GUIDE ③

* 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 1 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 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 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 1 ANCHORS IF BUILDING IS LOCATED WITHIN 300 ft OF THE COASTAL SHORELINE, AND USE TYPE 1 OR 2 ANCHORS IF BUILDING IS LOCATED MORE THAN 300 ft OF THE COASTAL SHORELINE.



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SHEET 5 OF 5