

(2) 2 x 2 ASTM A36 STEEL OR STAINLESS STEEL 1/8" THICK THRU 21'-5" D.B.G. 3/16" THICK OVER 21'-5" D.B.G. 3 BOTTOM BAR DETAIL TYPICAL SECTION FULL SCALE
TYPICAL SECTION

_'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	08/10/16	TJE	1672
Α	HOOD SUPPORT UPDATE; 2018 IBC	03/09/20	MAN	2028

GENERAL NOTES:

- 1. THESE PRODUCT EVALUATION DOCUMENTS REPRESENT A ROLL-UP DOOR ASSEMBLY DESIGNED AND TESTED IN ACCORDANCE WITH THE STANDARD BUILDING CODE, THE 2018 INTERNATIONAL BUILDING CODE, AND THE FLORIDA BUILDING CODE.
- 2. THIS ROLL-UP DOOR HAS BEEN TESTED FOR UNIFORM STATIC PRESSURE, IMPACT AND FATIGUE RESISTANCE IN ACCORDANCE WITH THE FBC TEST PROTOCOLS FOR HIGH VELOCITY HURRICANE ZONES TAS 201, TAS 202, AND TAS 203.
- 3. A 33% INCREASE IN ALLOWABLE STRESS HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT.
- 4. DETERMINE THE POSITIVE AND NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY.
- 5. THESE PRODUCT EVALUATION DOCUMENTS ARE PREPARED BY THE PRODUCT ENGINEER AND ARE GENERIC. THEY DO NOT INCLUDE INFORMATION PREPARED FOR A SPECIFIC SITE.
- 6. THESE PRODUCT EVALUATION DOCUMENTS ARE NOT VALID FOR PERMIT WITHOUT ORIGINAL SIGNATURE, DATE AND EMBOSSED SEAL ON EACH PERMIT COPY, WHETHER OR NOT A MASTER APPROVAL DOCUMENT IS ON FILE WITH A MUNICIPALITY OR OTHER GOVERNING AGENCY.
- 7. THESE PRODUCT EVALUATION DOCUMENTS ARE SUITABLE TO BE APPLIED BY THE CONTRACTOR PROVIDED THE CONTRACTOR DOES NOT DEVIATE FROM THE CONDITIONS DETAILED HEREIN AND THE CONTRACTOR VERIFIES THE EXISTING STRUCTURE IS CAPABLE OF SUPPORTING THE SUPERIMPOSED LOADS Vx & Vy ON THE JAMBS OF THE DOOR.
- 8. ALTERATIONS OR ADDITIONS TO THIS DOCUMENT ARE NOT PERMITTED.
- 9. WHEN THE SITE CONDITIONS DEVIATE FROM THESE PRODUCT EVALUATION DOCUMENTS, SITE SPECIFIC DOCUMENTS SHALL BE PREPARED BY A DULY LICENSED AND REGISTERED ENGINEER OR ARCHITECT.
- 10. IF THE DEVIATING SITE SPECIFIC DOCUMENTS ARE PREPARED BY A DELEGATED REGISTERED ENGINEER OR ARCHITECT, SAID DOCUMENTS SHALL BEAR THE DATE, SIGNATURE, AND EMBOSSED SEAL OF THE DELEGATED ENGINEER OR ARCHITECT AND SHALL BE SUBMITTED TO THE PROJECT ENGINEER FOR REVIEW.
- 11. ALL BOLTS AND WASHERS SHALL BE GALVANIZED STEEL, PLATED STEEL, OR STAINLESS STEEL
- 12. ALL WINDLOCK RIVETS SHALL BE 1/4" STEEL RIVETS IFI GRADE 30 WITH A MINIMUM TENSILE STRENGTH OF 1,850 Lbs., AND SHEAR STRENGTH OF 2,400 Lbs., U.O.N.. RIVETS TO BE INSTALLED IN ALL WINDLOCK HOLES.
- 13. ENDLOCKS/WINDLOCKS SHALL BE CAST MALLEABLE IRON TYPE 32510 PER ASTM A47 OR CAST DUCTILE IRON PER ASTM A536 GRADE 65-45-12.
- 14. ALL WELDING SHALL BE PERFORMED BY QUALIFIED WELDERS IN ACCORDANCE WITH A.W.S. SPECIFICATIONS, LATEST EDITION. ALL WELDING ELECTRODES SHALL CONFORM TO A.W.S. A5.1 GRADE E-70. MINIMUM WELDING PROCESSES SHALL BE ARC WELDING A.W.S. E7014 OR MIG WELDING A.W.S. ER70S-6.

15. ANCHOR NOTES:

- A. EMBEDMENT LENGTH DOES NOT INCLUDE STUCCO FINISH.
- B. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
- C. ANCHOR CAPACITY FOR THIS ROLL-UP DOOR IS BASED ON MIN. 3,000 P.S.I. CONCRETE EXCEPT WHERE NOTED.
- D. FOR MINIMUM EMBEDMENT AND MINIMUM EDGE DISTANCE, REFER TO TABLES.
- 16. DOOR MAY BE INSTALLED ON THE INSIDE OR OUTSIDE OF AN EXTERIOR WALL

AWN PATRICK KELLEY

17. ALL SHAPES USED FOR GUIDE ASSEMBLIES MUST CONFORM TO ASTM A36 FOR STEEL OR ASTM A276 FOR TYPES 304 OR 316 WITH A MINIMUM 36 KSI

YIELD STRENGTH



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dimensions are in inches & tolerances are:

0.000 = +/- 0.031

Unless otherwise specified,

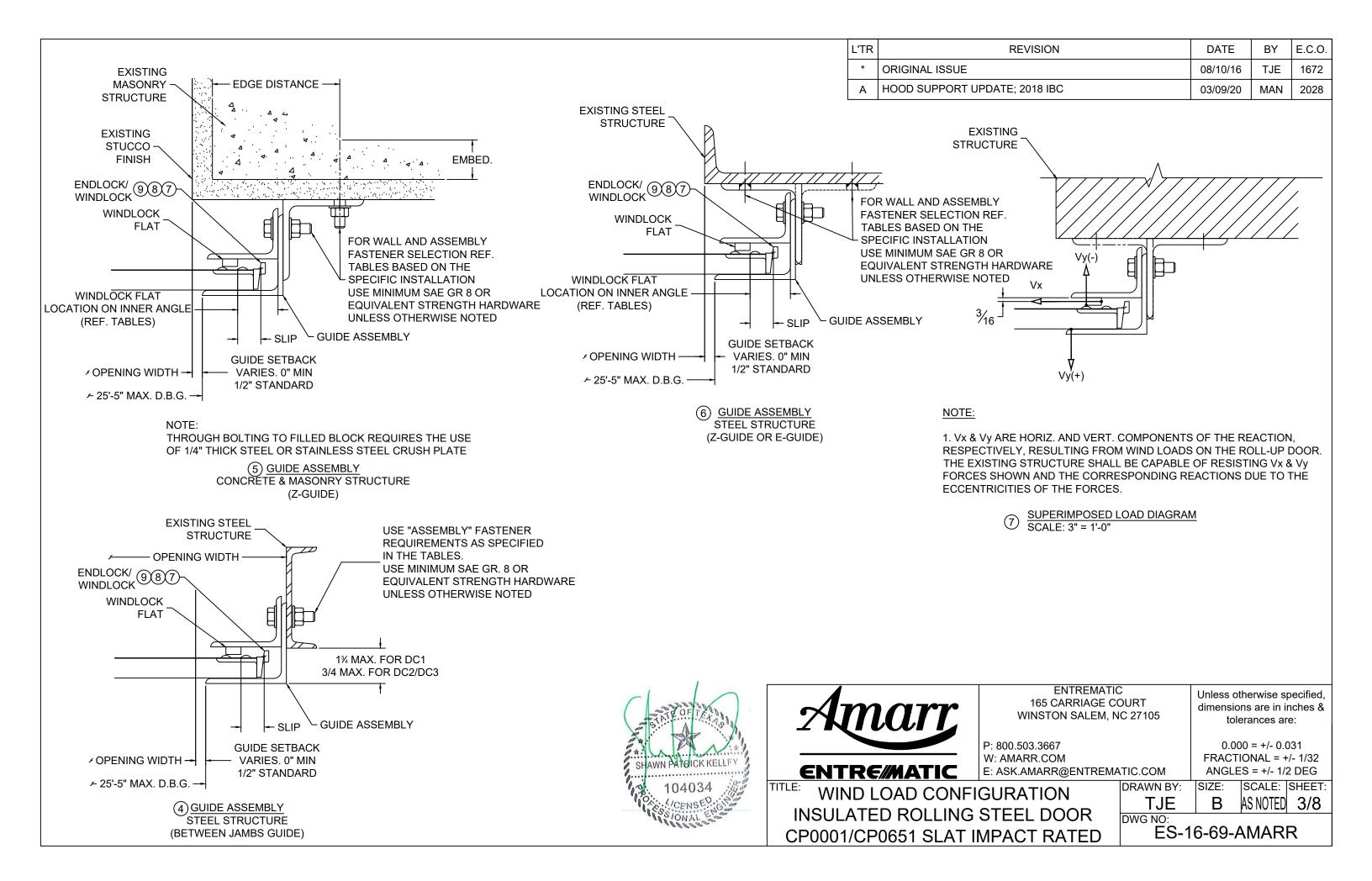
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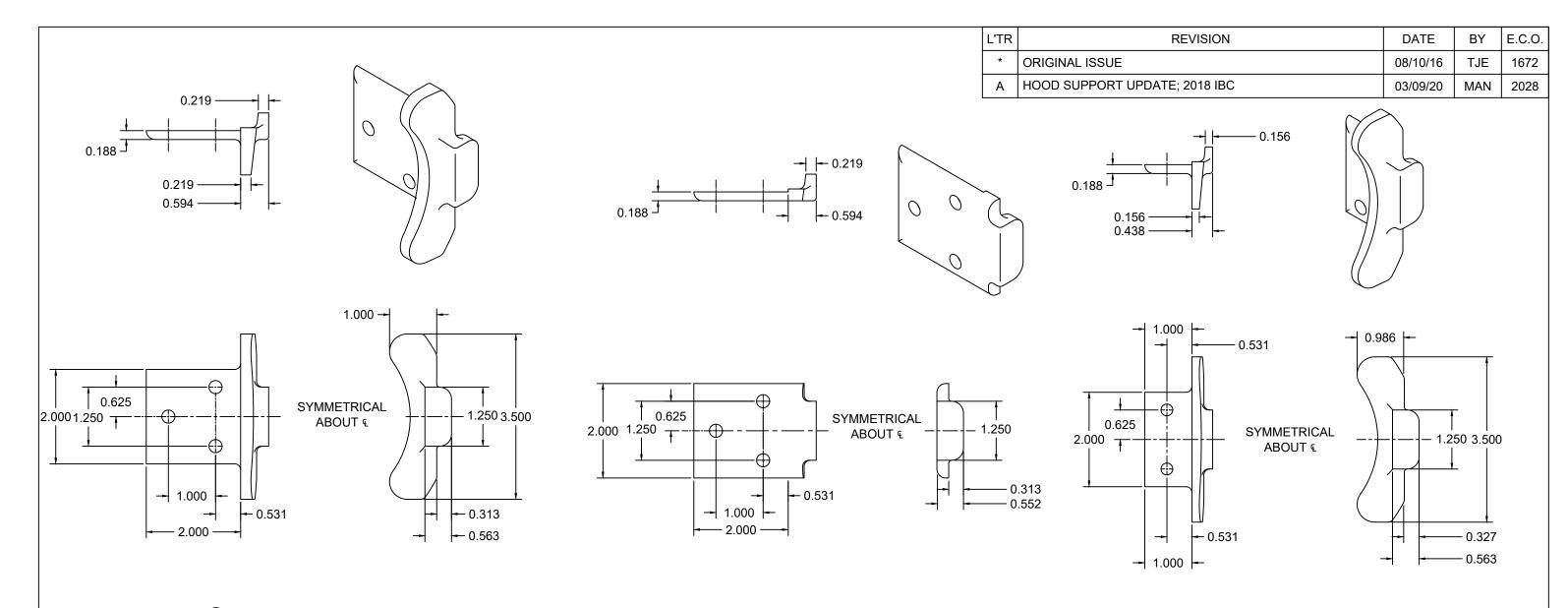
FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG SIZE: | SCALE: | SHEET:

ILE: WIND LOAD CONFIGURATION
INSULATED ROLLING STEEL DOOR
CP0001/CP0651 SLAT IMPACT RATED

TJE B AS NOTED 2/8

ES-16-69-AMARR





7 CP0630 ENDLOCK / WINDLOCK DETAIL
CAST MALLEABLE IRON ASTM A47, GRADE 32510, OR
DUCTILE IRON PER ASTM A536 GRADE 65-45-12, GALVANIZED IN ACCORDANCE WITH
ASTM A123, GRADE 85 ZINC-COATING
1/2 SCALE

8 CP0647 WINDLOCK DETAIL
CAST MALLEABLE IRON ASTM A47, GRADE 32510, OR
DUCTILE IRON PER ASTM A536 GRADE 65-45-12, GALVANIZED IN
ACCORDANCE WITH ASTM A123, GRADE 85 ZINC-COATING
1/2 SCALE

(9) CP0629 ENDLOCK / WINDLOCK DETAIL
CAST MALLEABLE IRON ASTM A47, GRADE 32510, OR
DUCTILE IRON PER ASTM A536 GRADE 65-45-12, GALVANIZED IN ACCORDANCE WITH
ASTM A123, GRADE 85 ZINC-COATING
1/2 SCALE





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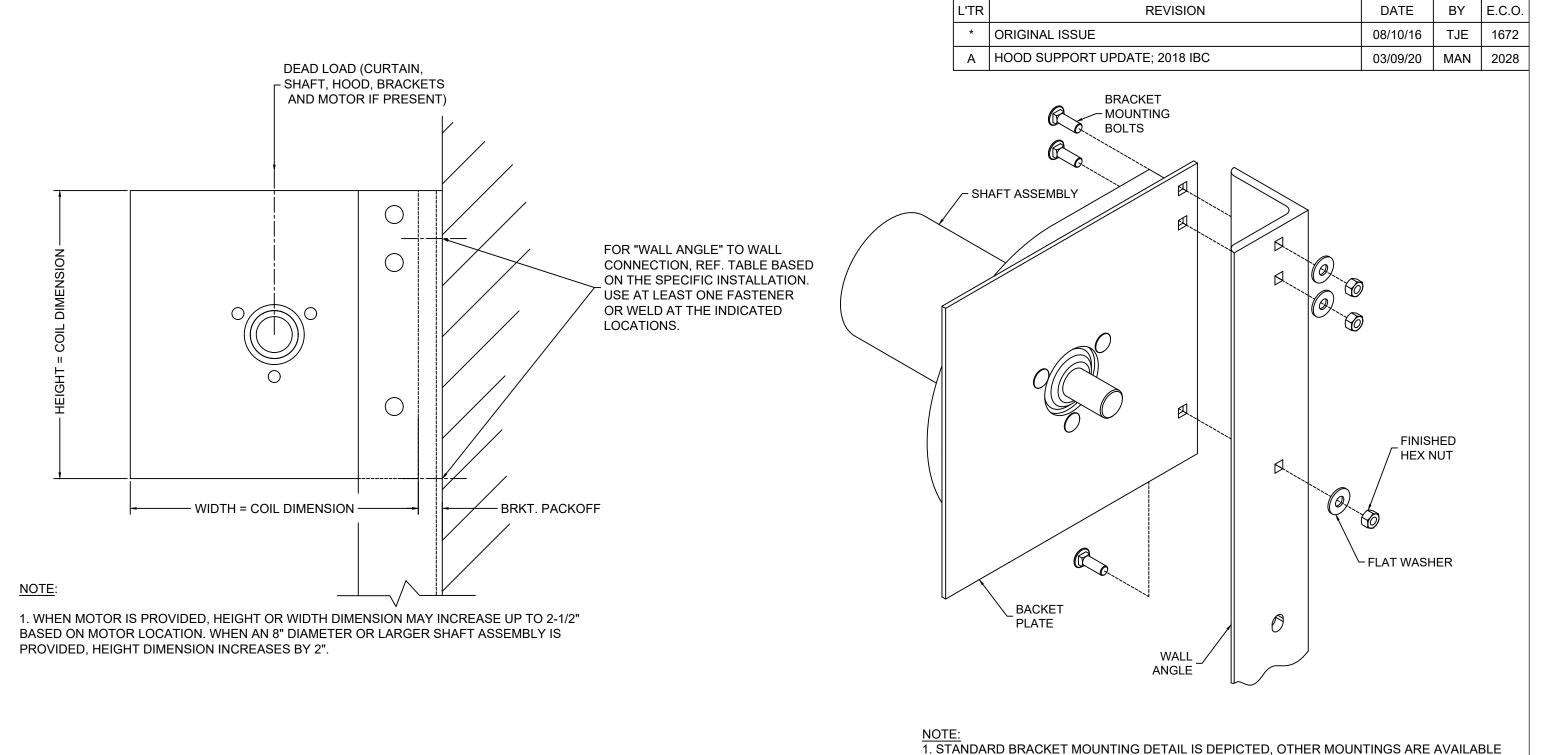
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TLE: WIND LOAD CONFIGURATION
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SCALE: SHEET:

AS NOTED 5/8

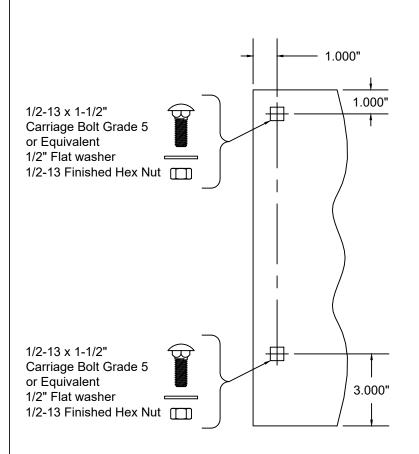
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DRAWN BY:

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SIZE:

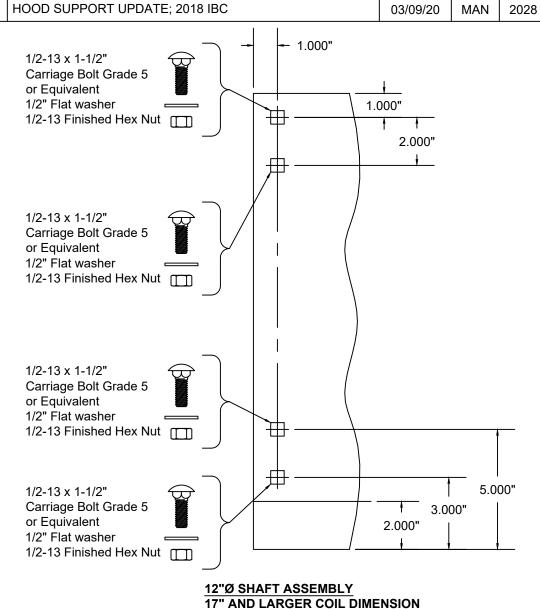


THRU 6"Ø SHAFT ASSEMBLY 14" THRU 16" COIL DIMENSION MIN. THICKNESS 0.172" ASTM A36 OR ASTM A480 STAINLESS STEEL, TYPES 304 OR 316, MINIMUM 36 KSI YIELD STRENGTH SCALE: 1-1/2" = 1'-0"

NOTE:

1.000" 1/2-13 x 1-1/2" Carriage Bolt Grade 5 or Equivalent 1/2" Flat washer 1.000" 1/2-13 Finished Hex Nut \Box 1 1 2.000" 1/2-13 x 1-1/2" Carriage Bolt Grade 5 or Equivalent 1/2" Flat washer 1/2-13 Finished Hex Nut 1/2-13 x 1-1/2" Carriage Bolt Grade 5 or Equivalent 3.000" 1/2" Flat washer 1/2-13 Finished Hex Nut WHEN A 8"Ø OR LARGER SHAFT ASSEMBLY IS PROVIDED, THERE IS A 2" EXTENSION ON THE BOTTOM 2.000" OF THE BRACKET. (SEE NOTE)

> THRU 10"Ø SHAFT ASSEMBLY 17" AND LARGER COIL DIMENSION MIN. THICKNESS 0.240" ASTM A36 OR ASTM A480 STAINLESS STEEL. TYPES 304 OR 316, MINIMUM 36 KSI YIELD STRENGTH SCALE: 1-1/2" = 1'-0"



REVISION





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ORIGINAL ISSUE

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SCALE: 1-1/2" = 1'-0"

MIN. THICKNESS 0.240" ASTM A36

OR ASTM A480 STAINLESS STEEL

TYPES 304 OR 316, MINIMUM 36 KSI YIELD STRENGTH

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WIND LOAD CONFIGURATION INSULATED ROLLING STEEL DOOR CP0001/CP0651 SLAT IMPACT RATED DRAWN BY: SIZE: SCALE: SHEET: TJE AS NOTED 6/8 DWG NO:

DATE

08/10/16

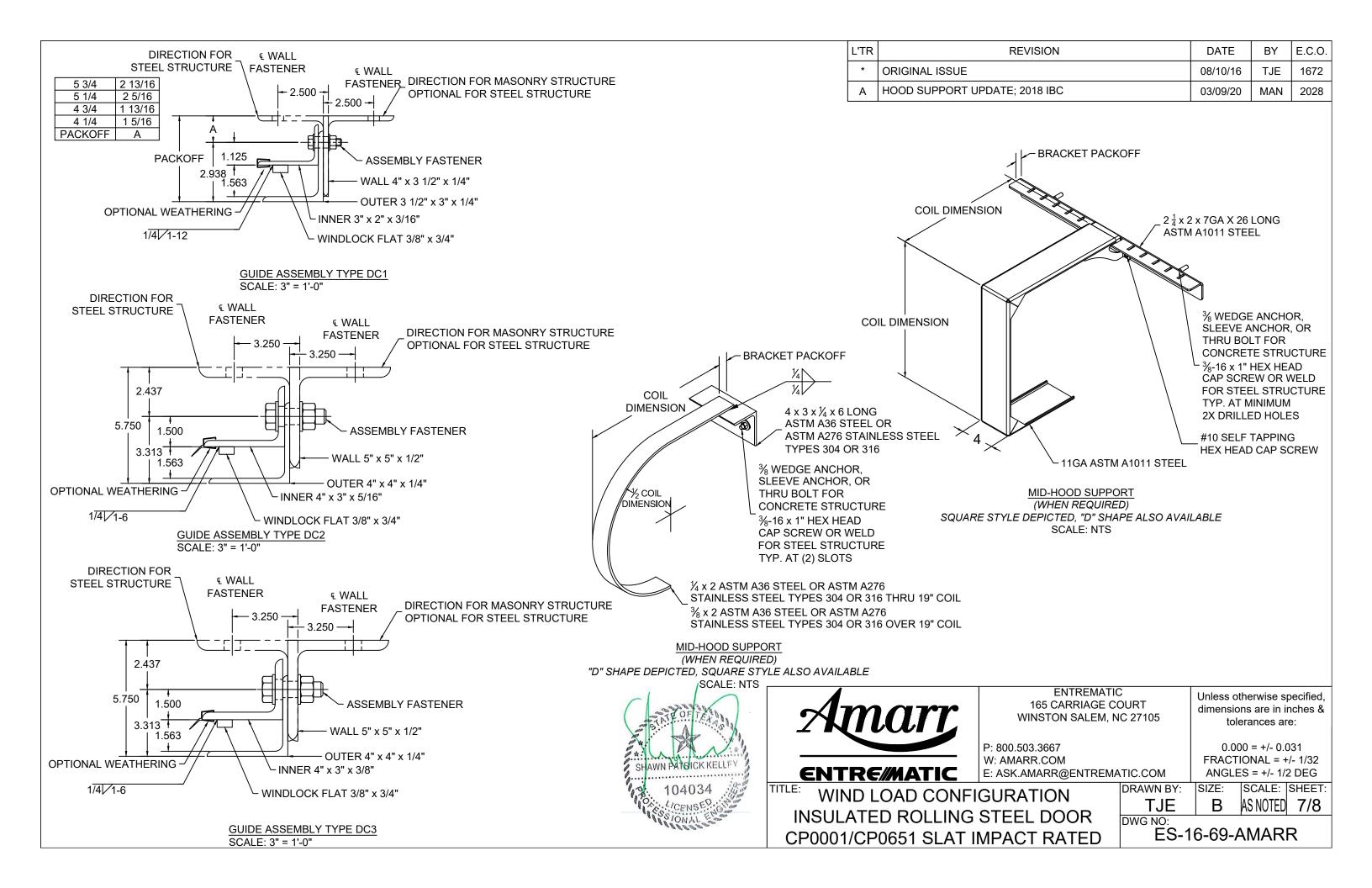
BY

TJE

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CP0001/CP0651 -Galvanized or Stainless Steel																	
						Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)											
DBG		Maximum	Windlock		Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing		Hilti Kw	ik Bolt 3		Simpson Wedge All			
Up To		Pressure	Flat Location	Slip						Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist
12'-5"	0.0296	65 PSF	1 5/16	0.532	CP0629	DC1	12	1/2	18	16	3 1/2	5 1/4	5 3/4	16	4 1/2	6 3/4	5 3/4
14'-5"	0.0405	120 PSF	1 1/2	0.656	CP0630 & CP0647	DC2	6	3/4	15	11	4 3/4	7 1/8	7 1/2	11	5	7 1/2	7 1/2
25'-5"	0.0405	65 PSF	2 1/2	1.656	CP0630 & CP0647	DC3	6	3/4	15	11	4 3/4	7 1/8	7 1/2	11	5	7 1/2	7 1/2

	CP0001/CP0651 - Galvanized or Stainless Steel, Cont.																			
	Filled CMU												all anchors a	re the same fasteners)	diameter as	Superimposed Loads (at Maximum Pressure)				
DBG	Hilti Kwik Bolt 3 Simpson Wedge-All								Through Bolt			Welded		Through Bolt	Tapped		— Superimposed Loads (at Maximum Fressure)			
Up To	Max O.C.	Dia.	Embed	Edge Dist	Max O.C.	Dia.	Embed	Edge Dist	Max. O.C.	Dia.	Edge Dist	Max O.C.	Slot Size	Max O.C.	Max O.C.	Min. Thickness	Vx (+)	Vy (+)	Vx (-)	Vy (-)
12'-5"	8	1/2	3 1/2	5 3/4	8	1/2	4 1/2	5 3/4		N/A		18	9/16 X 3/4	18	18	1/4	566	406	517	404
14'-5"	N/A N/A				8	3/4	7 1/2	15	13/16 x 1	15	15	3/8	2956	871	2881	871				
25'-5"	N/A					N,	N/A			3/4	7 1/2	15	13/16 x 1	15	15	3/8	2861	825	2844	826





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