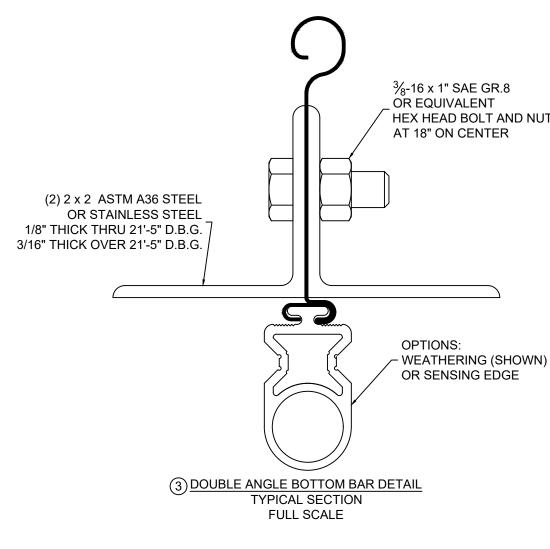


REVISION	DATE	BY	E.C.O.
	11/19/14	TJE	1616
NFIGURATIONS	04/22/16	TJE	1616
GHT NOTE	08/10/16	TJE	1616
E; 2018 IBC	03/09/20	MAN	2028

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*	ORIGINAL ISSUE	11/19/14	TJE	1616
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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 IN ACCORDANCE WITH THE FBC TEST PROTOCOL FOR HIGH VELOCITY HURRICANE ZONES TAS 202.

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 HARDWARE 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

17. IF OPTIONAL PERFORATION PATTERN IS CHOSEN, MINIMUM SLAT THICKNESS IS 0.0405"

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

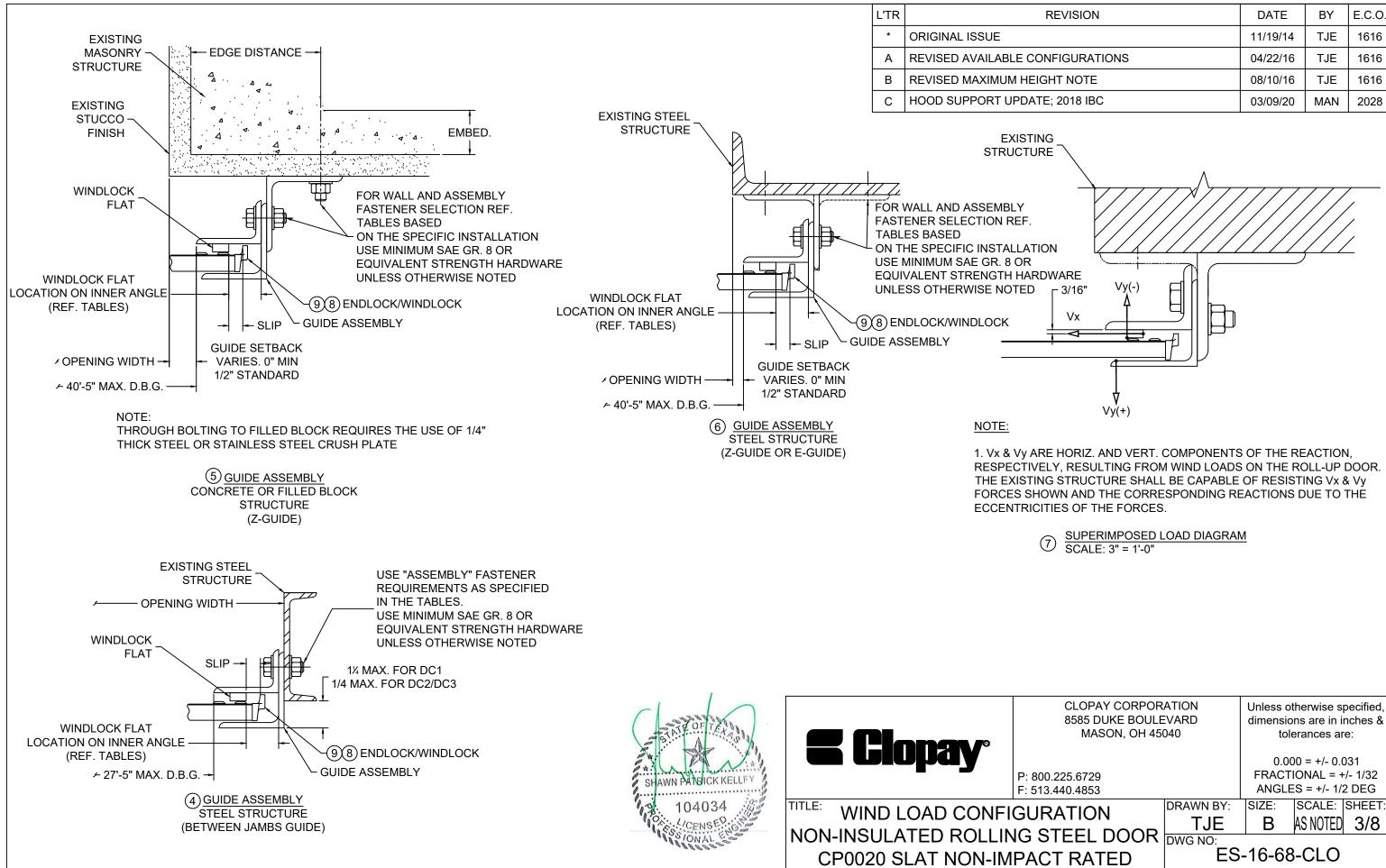




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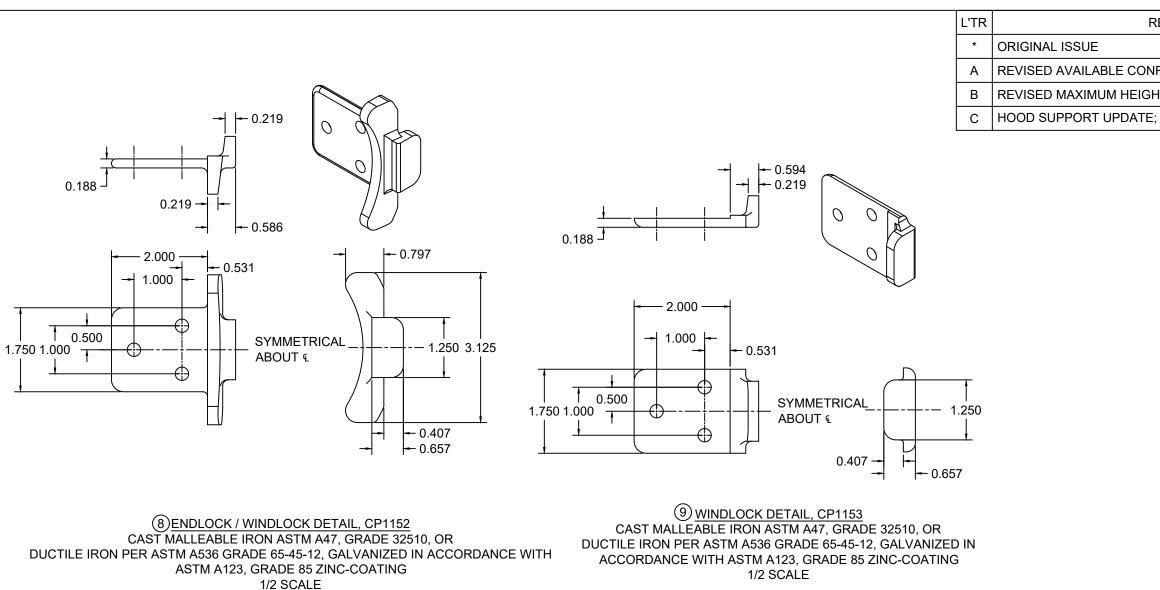
TITLE: WIND LOAD CONFIGUE NON-INSULATED ROLLING S CP0020 SLAT NON-IMPACT RATED

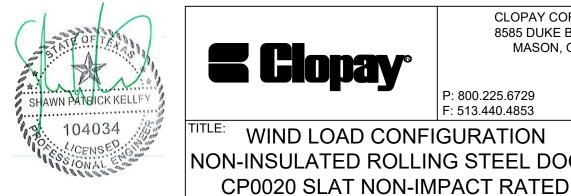
CLOPAY CORPOR 8585 DUKE BOULE MASON, OH 450	Unless otherwise specified, dimensions are in inches & tolerances are:					
0.225.6729 3.440.4853		0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG				
RATION	DRAWN BY:	SIZE:	SCALE:	SHEET:		
	TJE	B	AS NOTED	2/8		
STEEL DOOR	DWG NO:					
	l FS	-16-68	S-CLO			



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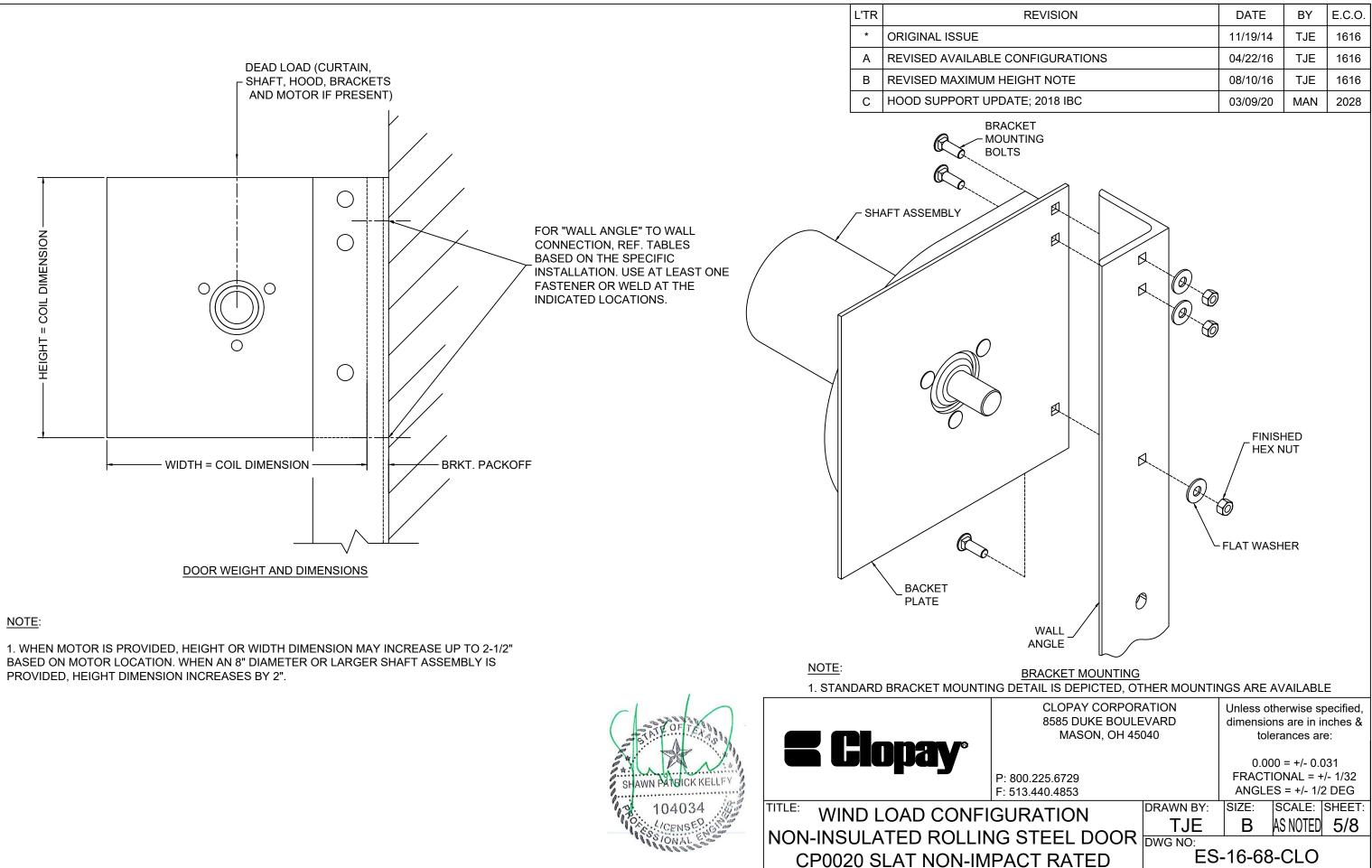
CLOPAY CORPOR 8585 DUKE BOULE MASON, OH 450	Unless otherwise specified, dimensions are in inches & tolerances are:					
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RATION	DRAWN BY:	SIZE: B	SCALE: AS NOTED			
STEEL DOOR		-16-68				



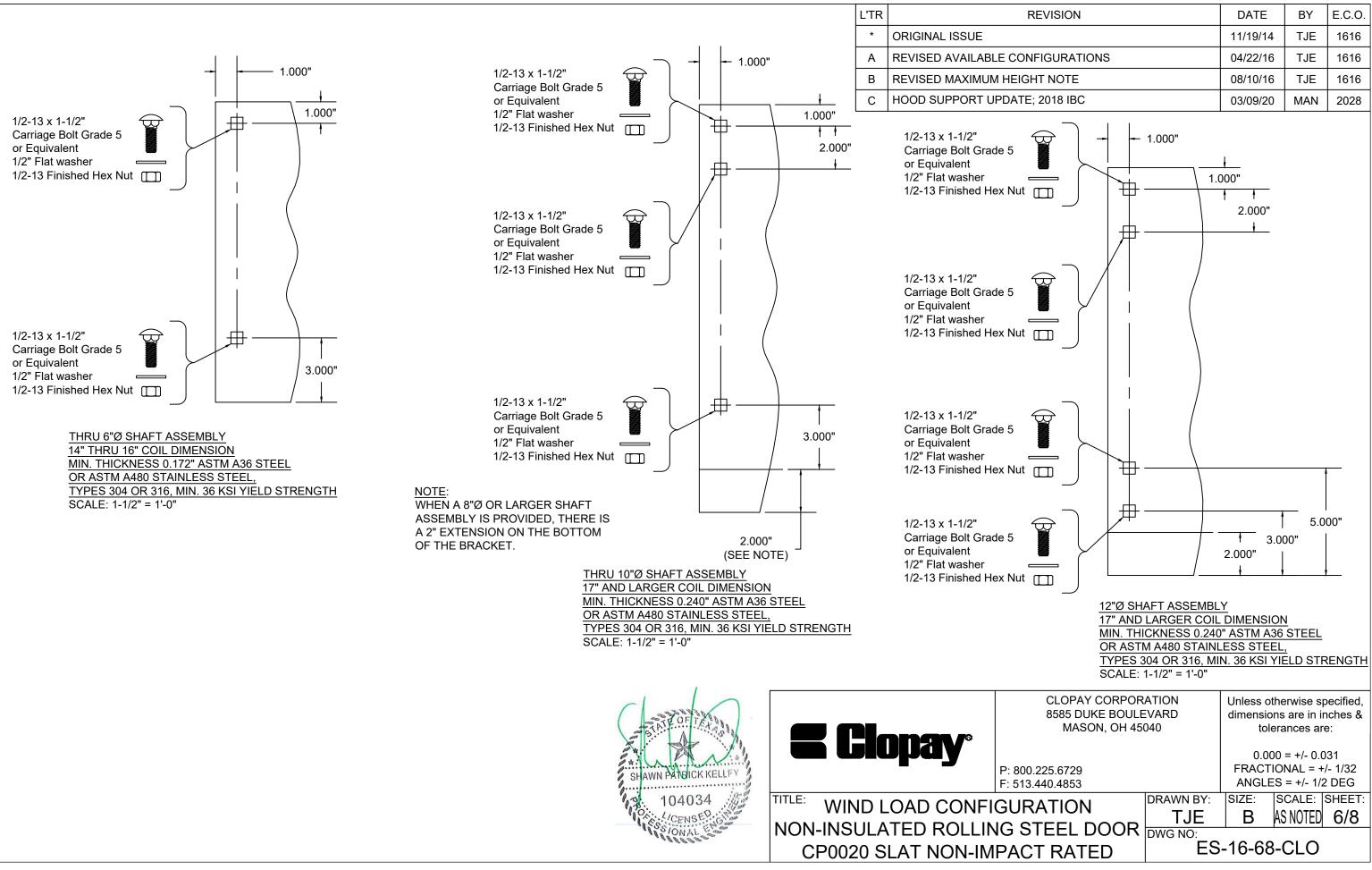


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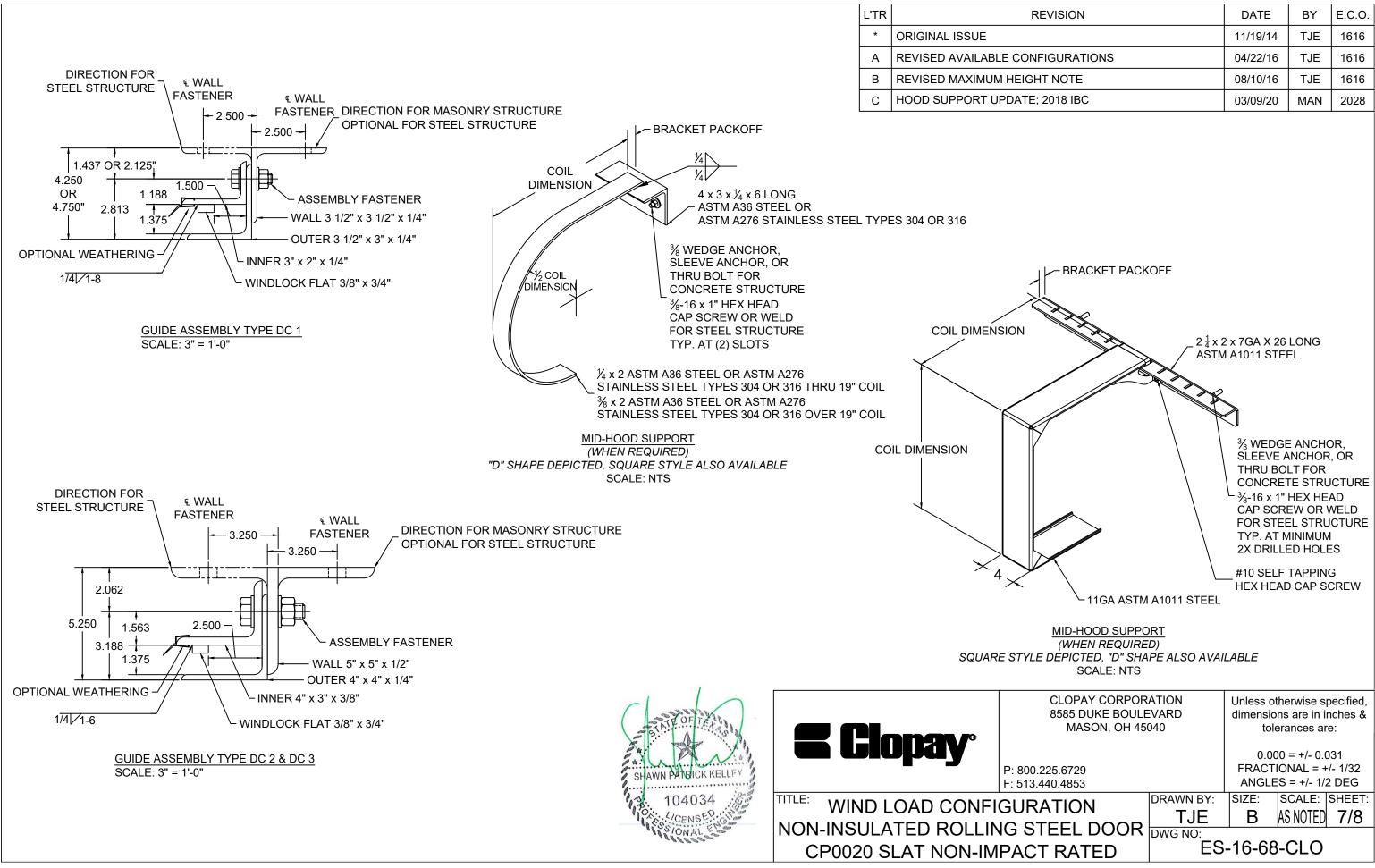
CLOPAY CORPOR 8585 DUKE BOULE MASON, OH 45	Unless otherwise specified, dimensions are in inches & tolerances are:					
00.225.6729 3.440.4853		FRACT	00 = +/- 0.0 IONAL = + S = +/- 1/2	/- 1/32		
RATION	DRAWN BY:	SIZE:	SCALE:	SHEET:		
	TJE	B	AS NOTED	4/8		
STEEL DOOR	DWG NO:					
CT RATED	5-16-68-CLO					



REVISION	DATE	BY	E.C.O.
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	CP0020 -Galvanized or Stainless Steel																
								Concre	ete Minimun	n 3,000 PSI C	ompressive S assembly	Strength (And fasteners)	chors are th	e same diam	eter as		
Door	Door Minimum Maximum Windlock			Guide	Guide Windlock Assembly Assembly	nbly Assembly Hilti Kwik Bolt 3		Hilti Kwik Bolt 3		Simpson Wedge All							
Configuration			I Flat		Windlock		mbly Weld Pitch	Fastener Diameter	Fastener Spacing	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist
DC 1	0.0236	65 PSF	1 1/2	0.656	CP1152 & CP1153	DC1	8	1/2	12	8	3 1/2	5 1/4	5 3/4	8	4 1/2	6 3/4	5 3/4
DC 2	0.0296	65 PSF	2 1/2	1.656	CP1152 & CP1153	DC2	6	3/4	15	11	4 3/4	7 1/8	7 1/2	11	5	7 1/2	7 1/2
DC 3	0.0405	60 PSF	2 1/2	1.656	CP1152 & CP1153	DC3	6	3/4	15	11	4 3/4	7 1/8	7 1/2	11	5	7 1/2	7 1/2

CP0020 - Galvanized or Stainless Steel, Cont.												
		Filled CMU		Steel (Wall anchors are the same diameter as assembly fasteners)				- Superimposed Loads (at Maximum Pressure)				
Door Configuration	Through Bolt			Welded		Through Bolt	Tapped					
	Max. O.C.	Dia.	Edge Dist	Max O.C.	Slot Size	Max O.C.	Max O.C.	Min. Thickness	Vx (+)	Vy (+)	Vx (-)	Vy (-)
DC 1	8	1/2	5 3/4	12	9/16 x 3/4	12	12	1/4	1976	473	1955	474
DC 2	8	3/4	7 1/2	15	13/16 x 1	15	15	3/8	3147	828	3132	829
DC 3	N/A		11	13/16 x 1	11	11	3/8	3241	823	3227	824	

SEE CHARTS BELOW FOR MAXIMUM PRESSURE/WIDTH COMBINATIONS FOR EACH DOOR CONFIGURATION

DC 1 Do		
DBG Up To	Maximum Pressure	DBG L
14'-5"	65 PSF (Tested)	25'-5
16'-5"	50 PSF	26'-5"
18'-5"	40 PSF	29'-5"
22'-5"	30 PSF	34'-5"
29'-5"	20 PSF	40'-5"

DC 2 Door Configuration				
DBG Up To	Maximum Pressure			
25'-5	65 PSF (Tested)			
26'-5"	60 PSF			
29'-5"	50 PSF			
34'-5"	40 PSF			
40'-5"	30 PSF			

DC 3 Door Configuration				
DBG Up To	Maximum Pressure			
27'-5"	60 PSF (Tested)			
30'-5"	50 PSF			
35'-5"	40 PSF			
40'-5"	30 PSF			





TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOC CP0020 SLAT NON-IMPACT RATED

CLOPAY CORPOR 8585 DUKE BOULE MASON, OH 450	Unless otherwise specified, dimensions are in inches & tolerances are:				
0.225.6729 3.440.4853		FRACT	00 = +/- 0.0 IONAL = +, ES = +/- 1/2	/- 1/32	
RATION STEEL DOOR	DRAWN BY:	SIZE: B	scale: AS NOTED	SHEET: 8/8	
T RATED	DWG NO: ES-16-68-CLO				