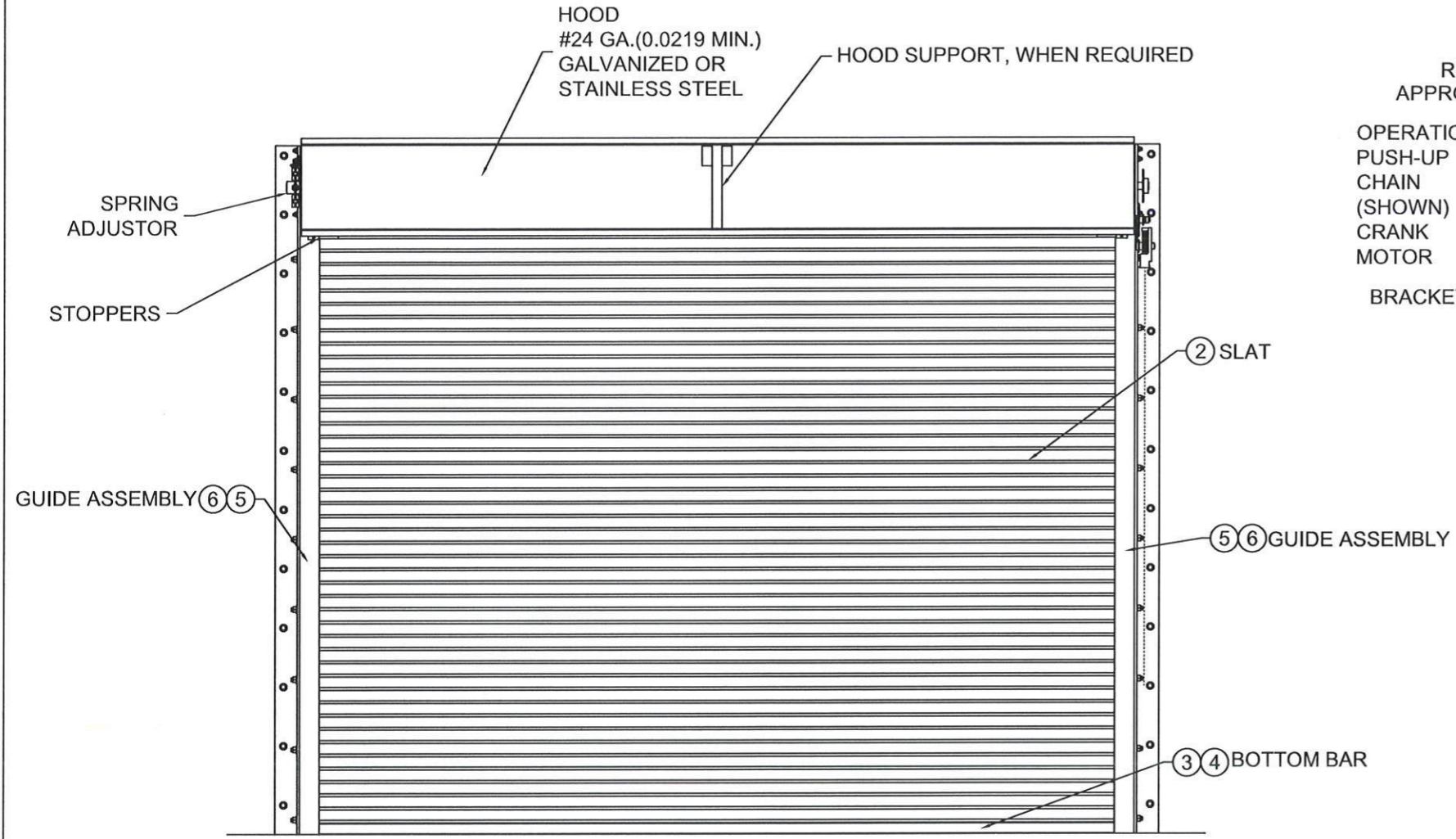
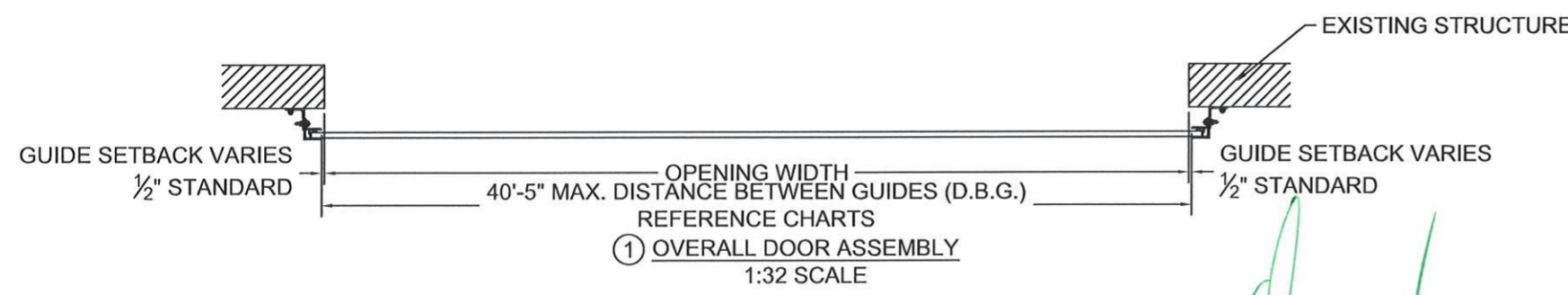
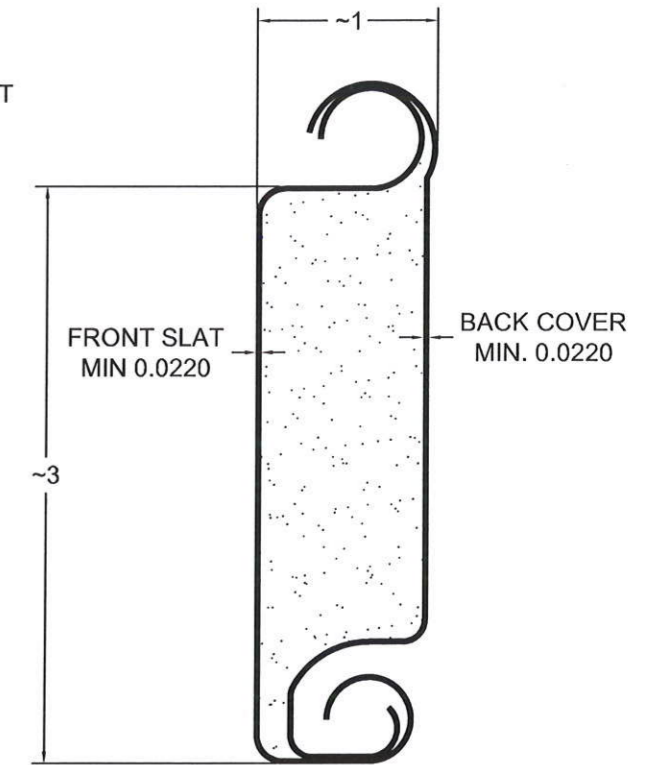
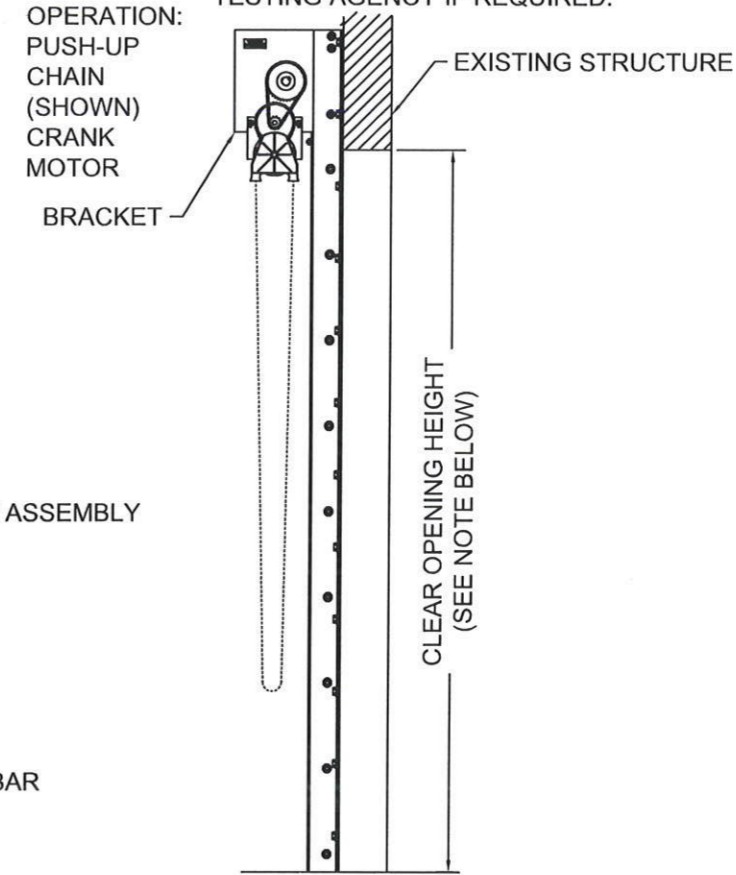


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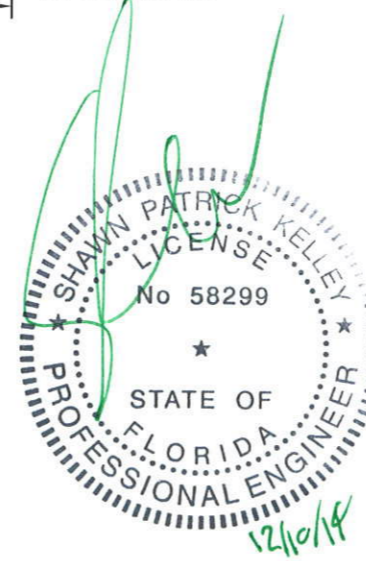


ROLL-UP MECHANISM NOT INCLUDED IN THIS APPROVAL. MUST BE CERTIFIED BY AN INDEPENDENT TESTING AGENCY IF REQUIRED.



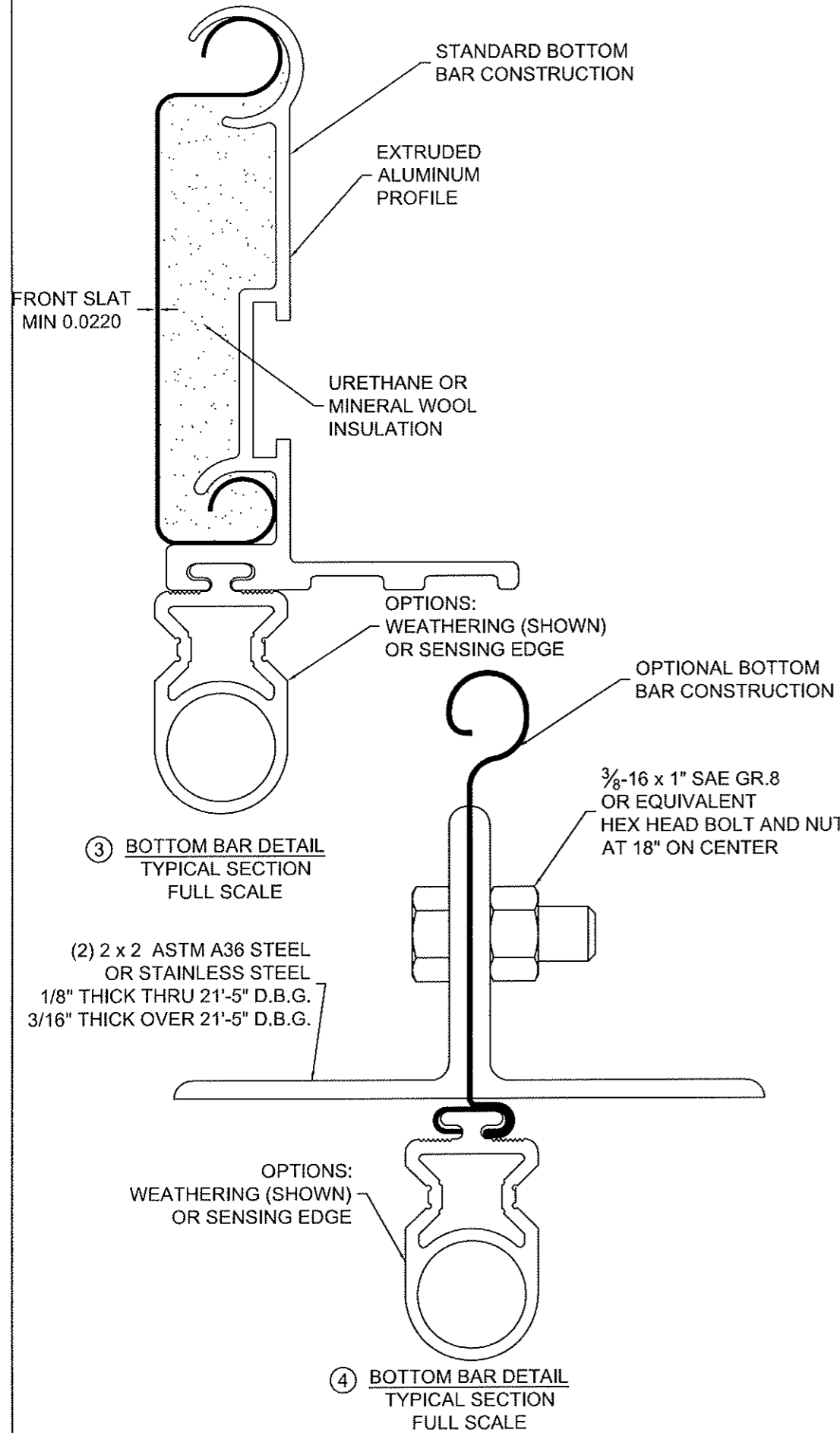
NOTE: WIND LOADS SPECIFIED IN TABLES ARE ACCEPTABLE FOR ANY C.O.H.. FOR GREATER THAN 30 FT, C.O.H., MOUNTING CONDITIONS SHALL BE DETERMINED ON A SITE SPECIFIC BASIS.

② SLAT DETAIL TYPICAL SECTION
 ASTM A653 HSLAS TYPE B GRADE 40 G40 OR
 ASTM A653 HSLAS TYPE A GRADE 40 G40 OR
 ASTM A653 STRUCTURAL STEEL GRADE 40 G40
 OR TYPE 304 STAINLESS STEEL (MIN. YIELD 40,000 psi)
 OR TYPE 316 STAINLESS STEEL (MIN. YIELD 40,000 psi)
 OR TYPE 430 STAINLESS STEEL (MIN. YIELD 40,000 psi)
 OR TYPE 201 STAINLESS STEEL (MIN. YIELD 40,000 psi)
 FULL SCALE



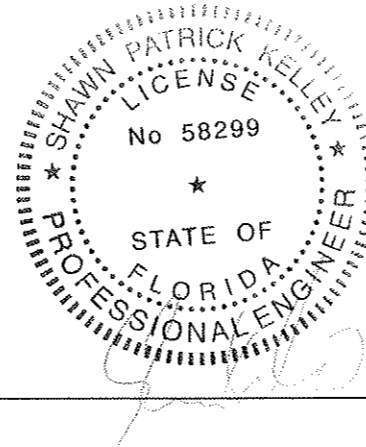
<p>COOKSON THE COOKSON COMPANY, INC.</p>	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ 800 TULIP DRIVE GASTONIA, NC P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM	Unless otherwise specified, dimensions are in inches & tolerances are: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG			
		TITLE: WIND LOAD CONFIGURATION INSULATED ROLLING STEEL DOOR CP0001/CP0651 SLAT NON-IMPACT RATED	DRAWN BY: TJE	SIZE: B	SCALE: AS NOTED
DWG NO: ES-16-65-TCCI					


L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/20/14	TJE	1615



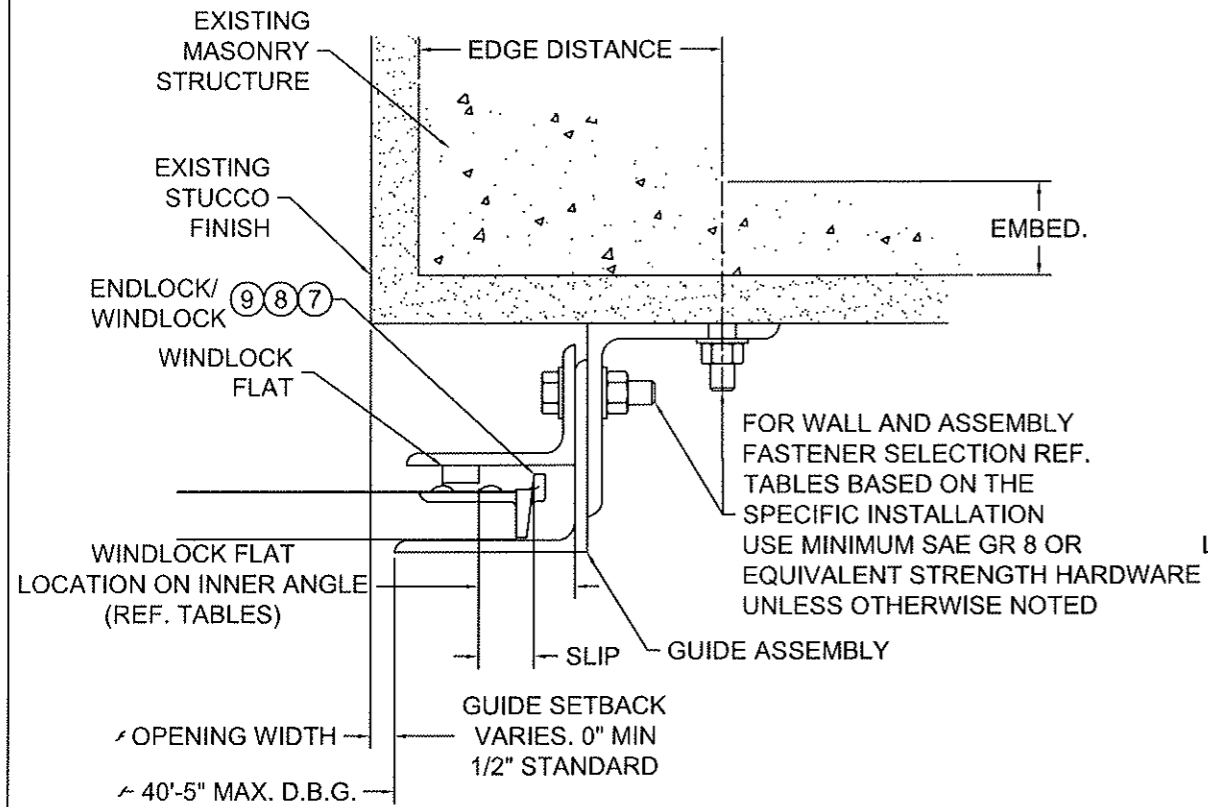
GENERAL NOTES:

1. THESE PRODUCT EVALUATION DOCUMENTS REPRESENT A ROLL-UP DOOR ASSEMBLY DESIGNED AND TESTED IN ACCORDANCE WITH THE STANDARD BUILDING CODE, THE 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 V_x & V_y 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
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



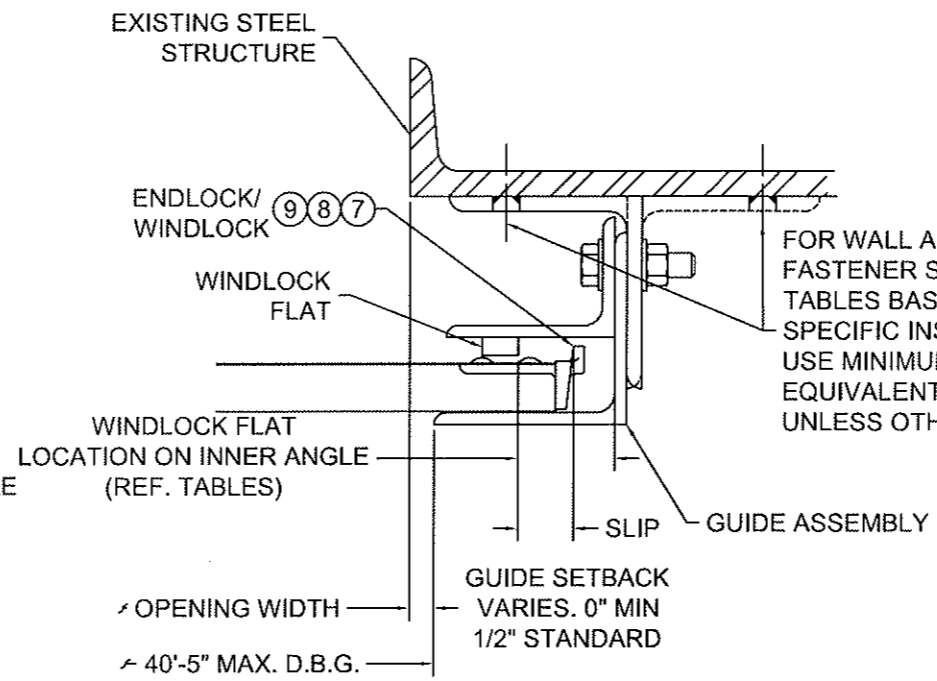
 COOKSON THE COOKSON COMPANY, INC.	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ 800 TULIP DRIVE GASTONIA, NC P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM	Unless otherwise specified, dimensions are in inches & tolerances are: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG			
		TITLE: WIND LOAD CONFIGURATION INSULATED ROLLING STEEL DOOR CP0001/CP0651 SLAT NON-IMPACT RATED	DRAWN BY: TJE	SIZE: B	SCALE: AS NOTED
DWG NO: ES-16-65-TCCI					

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/20/14	TJE	1615

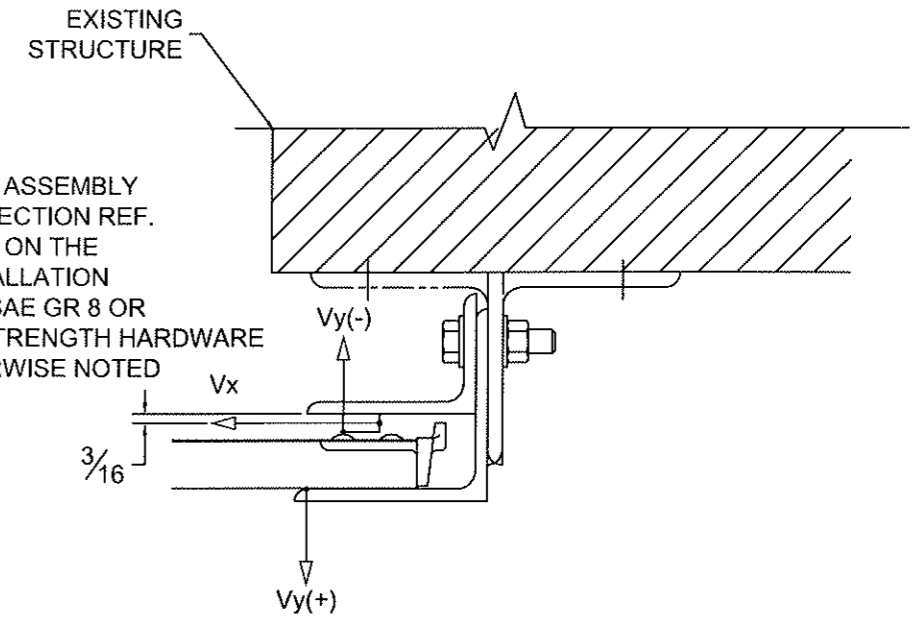


NOTE:
THROUGH BOLTING TO FILLED BLOCK REQUIRES THE USE
OF 1/4" THICK STEEL OR STAINLESS STEEL CRUSH PLATE

⑤ GUIDE ASSEMBLY
CONCRETE & MASONRY STRUCTURE
(Z-GUIDE)



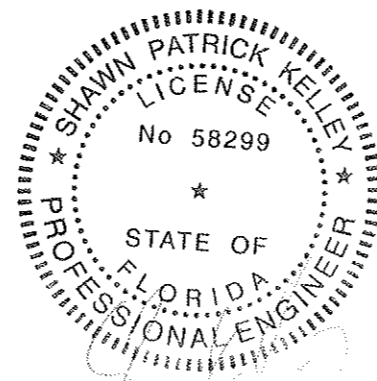
⑥ GUIDE ASSEMBLY
STEEL STRUCTURE
(Z-GUIDE OR E-GUIDE)



NOTE:

1. V_x & V_y ARE HORIZ. AND VERT. COMPONENTS OF THE REACTION,
RESPECTIVELY, RESULTING FROM WIND LOADS ON THE ROLL-UP DOOR.
THE EXISTING STRUCTURE SHALL BE CAPABLE OF RESISTING V_x & V_y
FORCES SHOWN AND THE CORRESPONDING REACTIONS DUE TO THE
ECCENTRICITIES OF THE FORCES.

⑦ SUPERIMPOSED LOAD DIAGRAM
SCALE: 3" = 1'-0"



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GASTONIA, NC
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F: 866.448.6798
E: ADS@COOKSONDOOR.COM

Unless otherwise specified,
dimensions are in inches &
tolerances are:

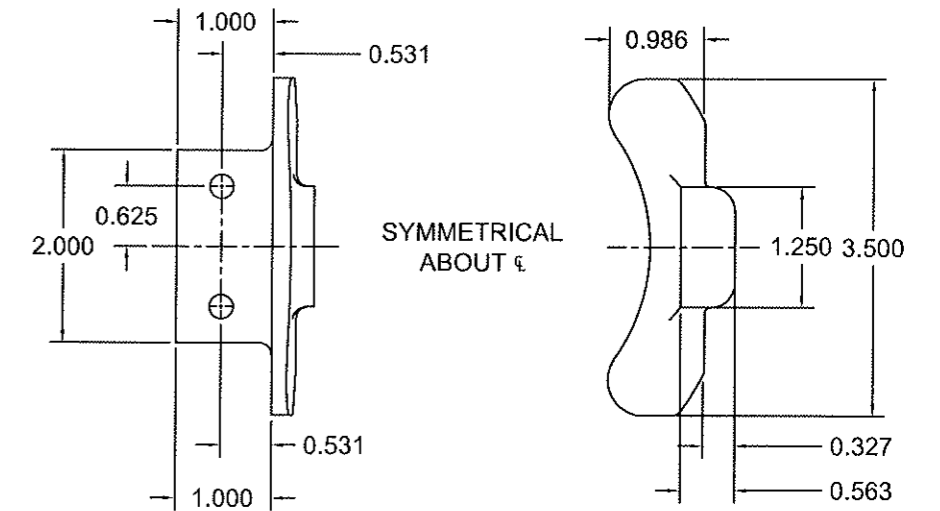
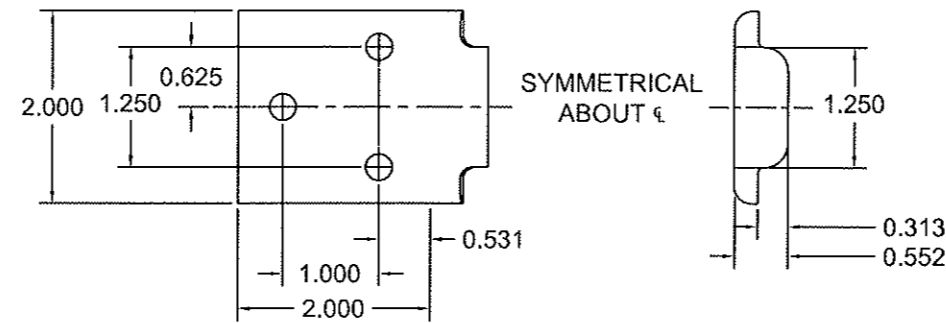
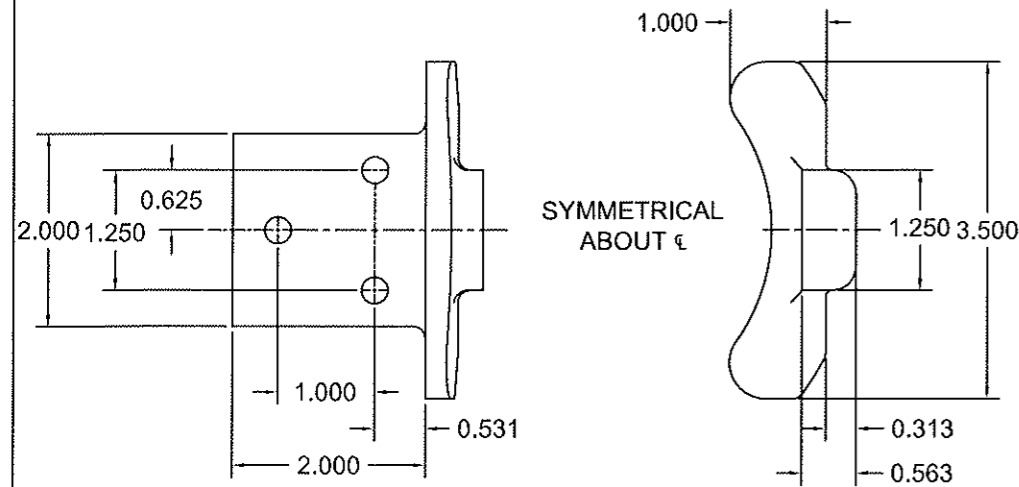
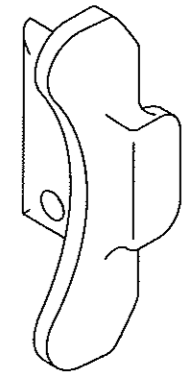
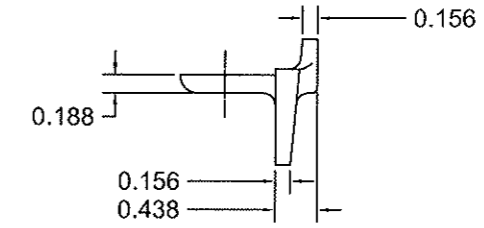
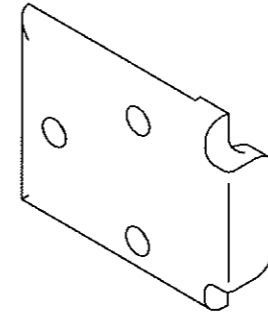
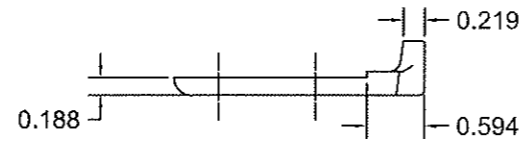
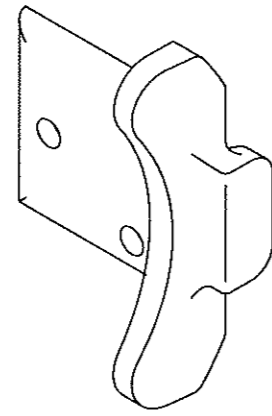
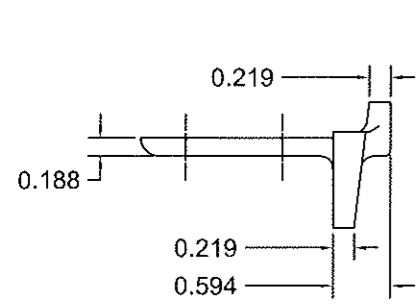
0.000 = +/- 0.031
FRACTIONAL = +/- 1/32
ANGLES = +/- 1/2 DEG

TITLE: WIND LOAD CONFIGURATION
INSULATED ROLLING STEEL DOOR
CP0001/CP0651 SLAT NON-IMPACT RATED

DRAWN BY: TJE
SIZE: B
SCALE: AS NOTED
SHEET: 3/21

DWG NO: ES-16-65-TCCI

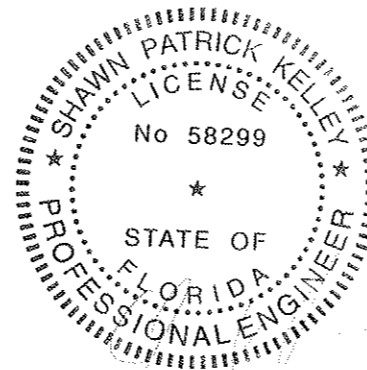
L'TR	REVISION	DATE	BY	E.C.O.
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⑦ CP0630 ENDLOCK / WINDLOCK DETAIL
 CAST MALLEABLE IRON ASTM A47, GRADE 32510, OR
 DUCTILE IRON PER ASTM A536 GRADE 65-45-12, GALVANIZED IN ACCORDANCE WITH
 ASTM A123, GRADE 85 ZINC-COATING
 1/2 SCALE

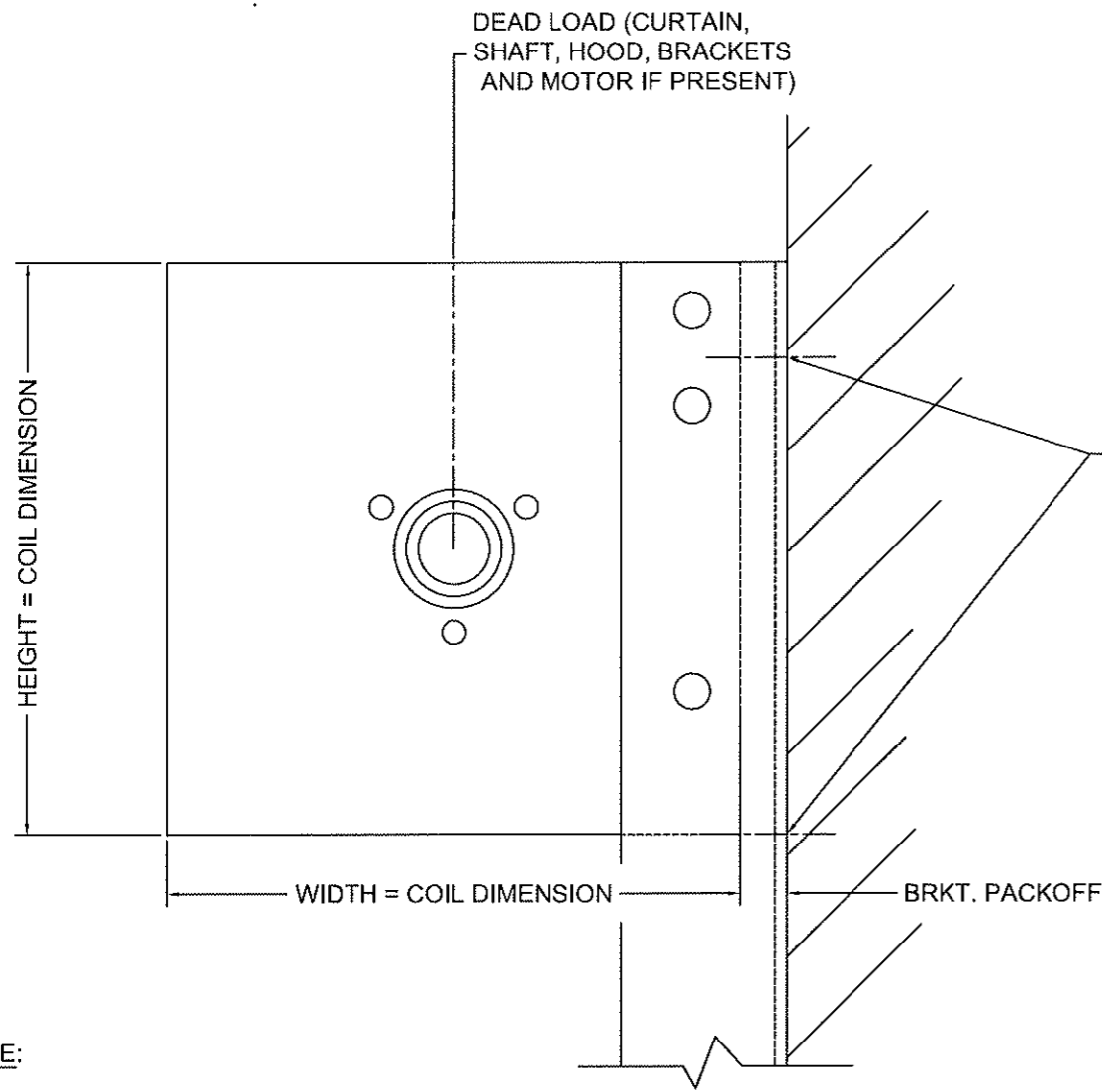
⑧ CP0647 WINDLOCK DETAIL
 CAST MALLEABLE IRON ASTM A47, GRADE 32510, OR
 DUCTILE IRON PER ASTM A536 GRADE 65-45-12, GALVANIZED IN
 ACCORDANCE WITH ASTM A123, GRADE 85 ZINC-COATING
 1/2 SCALE

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

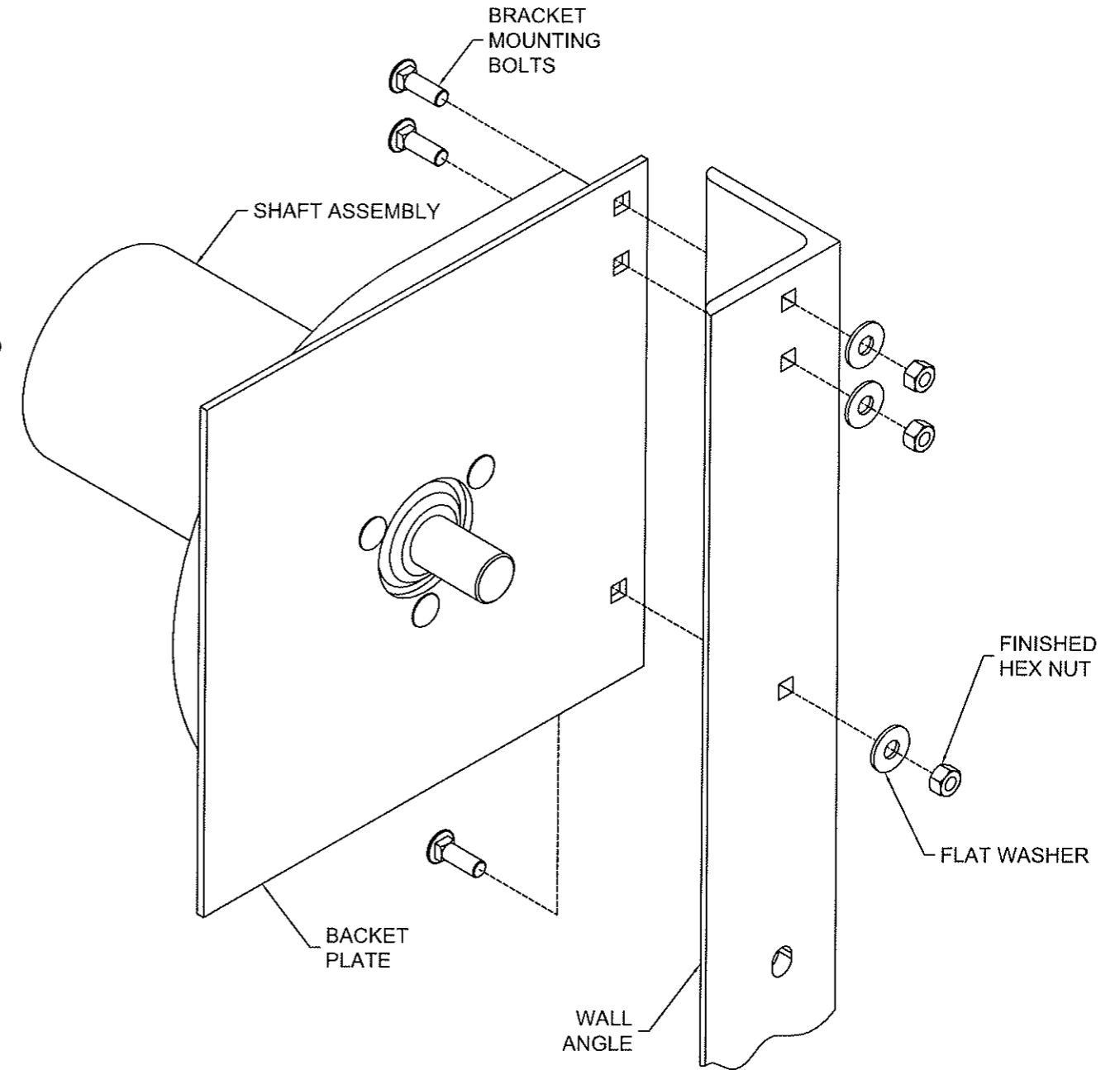


 COOKSON THE COOKSON COMPANY, INC.	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ 800 TULIP DRIVE GASTONIA, NC P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM	Unless otherwise specified, dimensions are in inches & tolerances are: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG			
		TITLE: WIND LOAD CONFIGURATION INSULATED ROLLING STEEL DOOR CP0001/CP0651 SLAT NON-IMPACT RATED	DRAWN BY: TJE	SIZE: B	SCALE: AS NOTED
DWG NO: ES-16-65-TCCI					

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FOR "WALL ANGLE" TO WALL CONNECTION, REF. TABLE BASED ON THE SPECIFIC INSTALLATION. USE AT LEAST ONE FASTENER OR WELD AT THE INDICATED LOCATIONS.

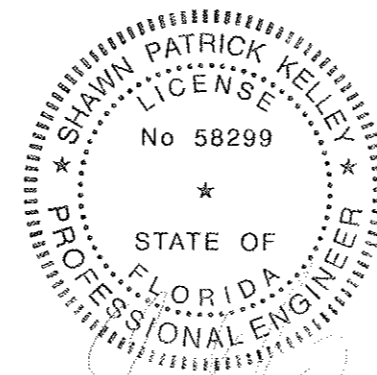



NOTE:

1. WHEN MOTOR IS PROVIDED, HEIGHT OR WIDTH DIMENSION MAY INCREASE UP TO 2-1/2" BASED ON MOTOR LOCATION. WHEN AN 8" DIAMETER OR LARGER SHAFT ASSEMBLY IS PROVIDED, HEIGHT DIMENSION INCREASES BY 2".

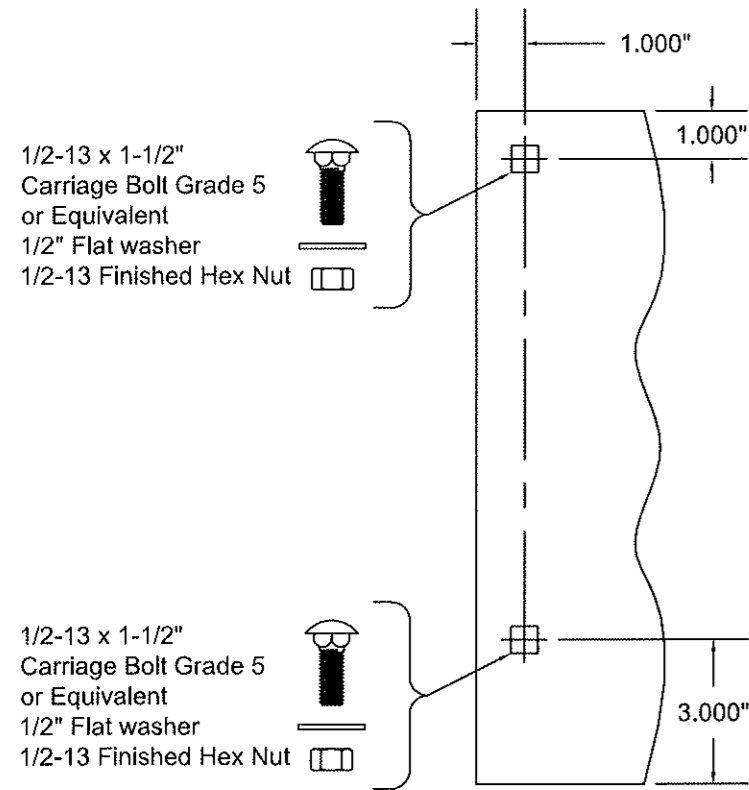
NOTE:

1. STANDARD BRACKET MOUNTING DETAIL IS DEPICTED, OTHER MOUNTINGS ARE AVAILABLE

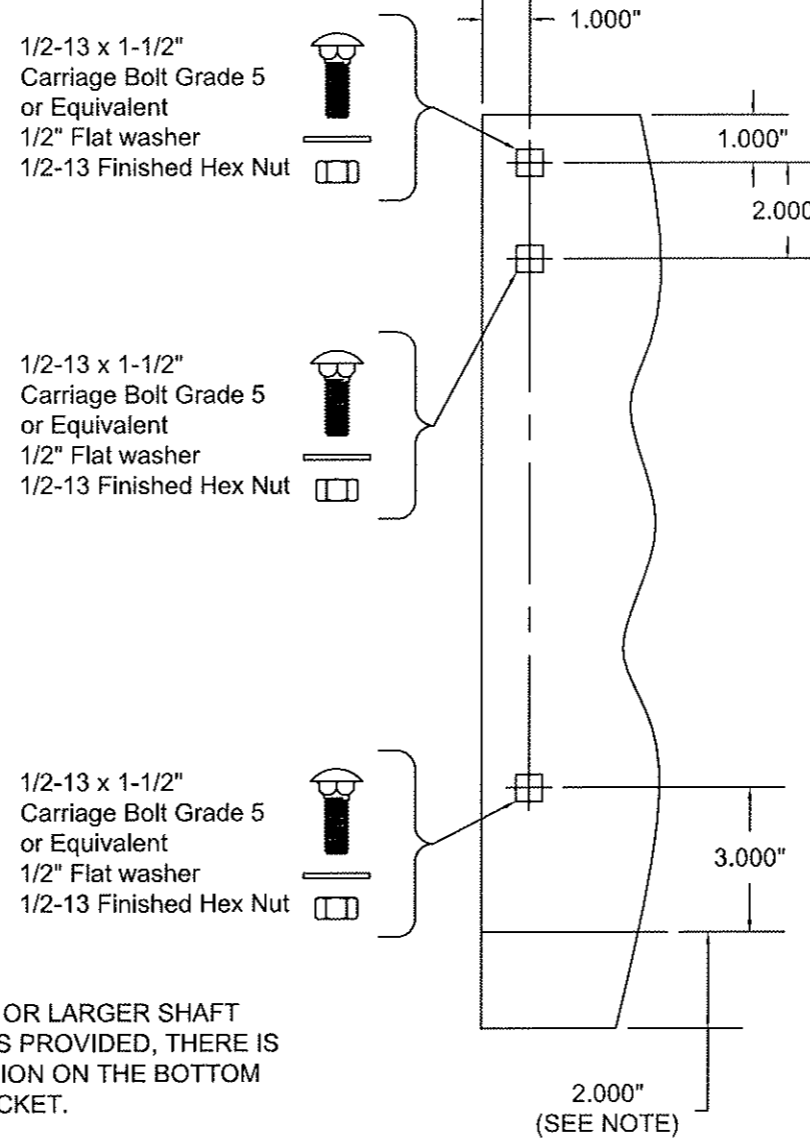


 <p>COOKSON THE COOKSON COMPANY, INC.</p>	24 ELMWOOD AVE MOUNTAINTOP, PA 800 TULIP DRIVE GASTONIA, NC P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM	1901 S. LITCHFIELD RD GOODYEAR, AZ Unless otherwise specified, dimensions are in inches & tolerances are: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG
	TITLE: WIND LOAD CONFIGURATION INSULATED ROLLING STEEL DOOR CP0001/CP0651 SLAT NON-IMPACT RATED	DRAWN BY: TJE DWG NO: ES-16-65-TCCI

L'TR	REVISION	DATE	BY	E.C.O.
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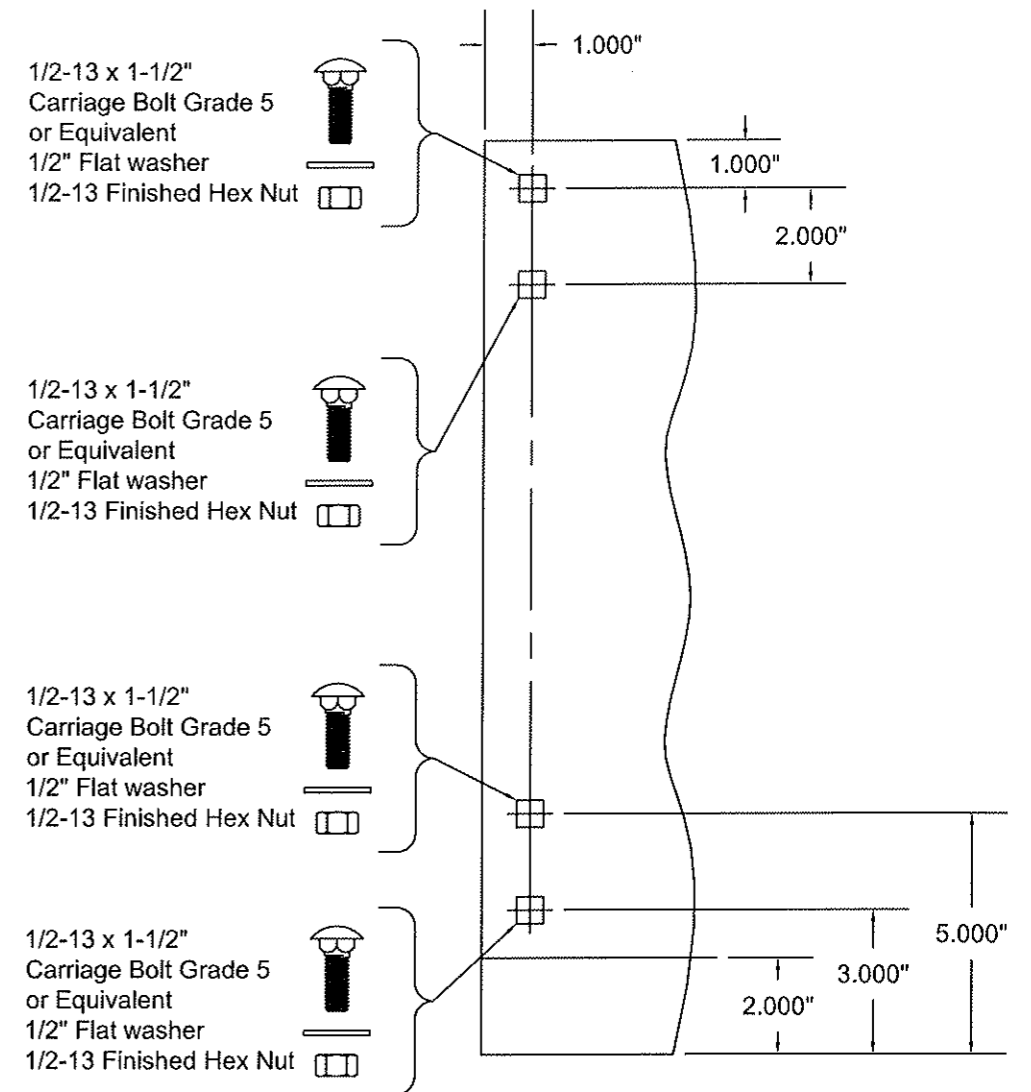


THRU 6"Ø SHAFT ASSEMBLY
14" THRU 16" COIL DIMENSION
MIN. THICKNESS 0.172" ASTM A36
OR ASTM A480 STAINLESS STEEL,
TYPES 304 OR 316, MINIMUM 36 KSI YIELD STRENGTH
SCALE: 1-1/2" = 1'-0"

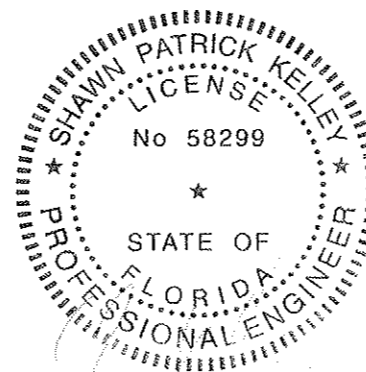



NOTE:
 WHEN A 8"Ø OR LARGER SHAFT
 ASSEMBLY IS PROVIDED, THERE IS
 A 2" EXTENSION ON THE BOTTOM
 OF THE BRACKET.

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"

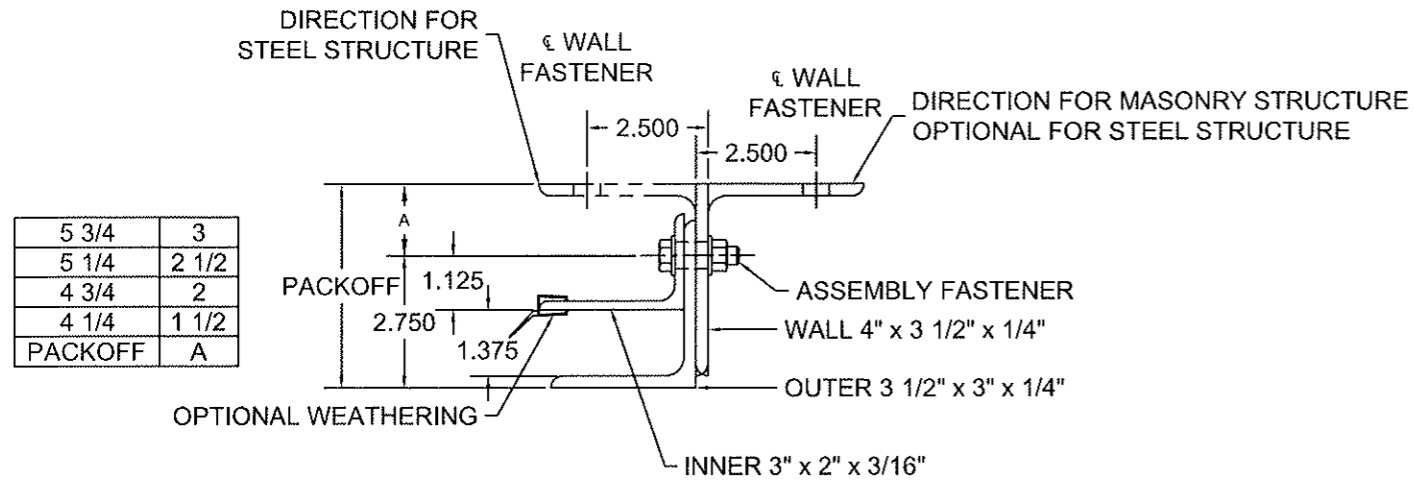


12"Ø SHAFT ASSEMBLY
17" AND LARGER COIL DIMENSION
MIN. THICKNESS 0.240" ASTM A36
OR ASTM A480 STAINLESS STEEL,
TYPES 304 OR 316, MINIMUM 36 KSI YIELD STRENGTH
SCALE: 1-1/2" = 1'-0"



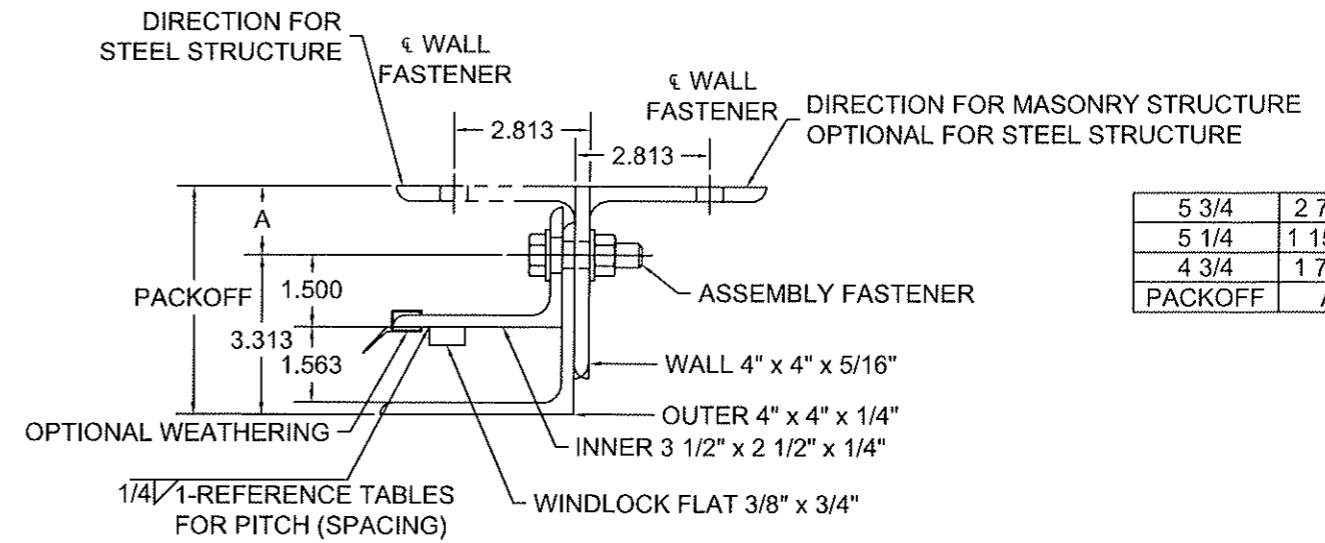
 THE COOKSON COMPANY, INC.	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ 800 TULIP DRIVE GASTONIA, NC P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM		Unless otherwise specified, dimensions are in inches & tolerances are: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG		
	TITLE: WIND LOAD CONFIGURATION INSULATED ROLLING STEEL DOOR CP0001/CP0651 SLAT NON-IMPACT RATED		DRAWN BY: TJE	SIZE: B	SCALE: AS NOTED
DWG NO: ES-16-65-TCCI					

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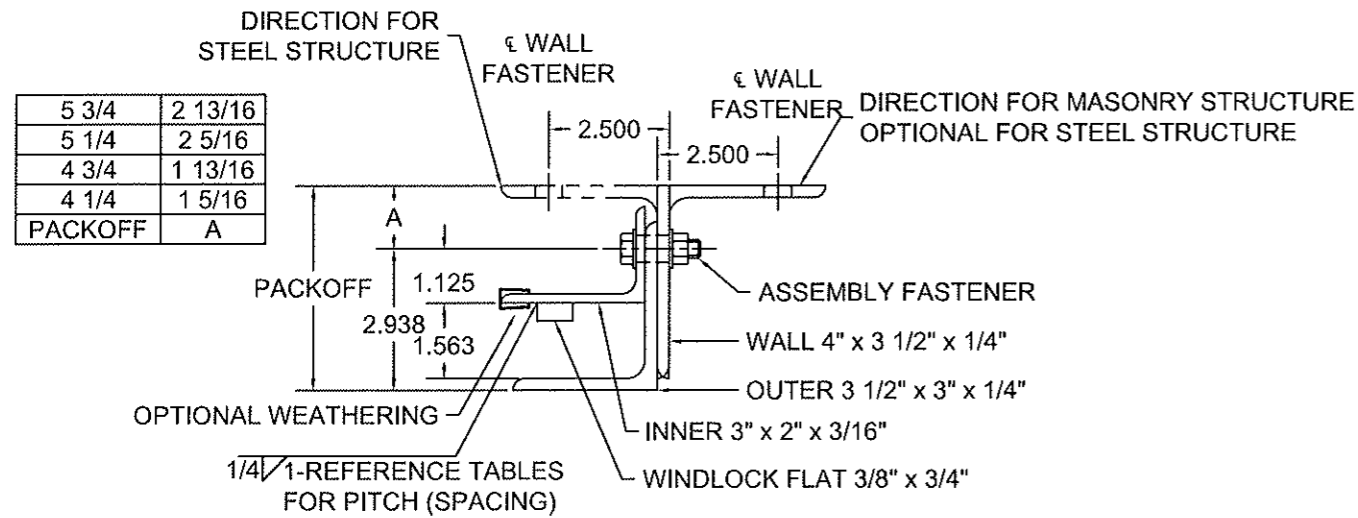
5 3/4	3
5 1/4	2 1/2
4 3/4	2
4 1/4	1 1/2
PACKOFF	A

GUIDE ASSEMBLY TYPE 344* (NON-WINDLOCK)
SCALE: 3" = 1'-0"



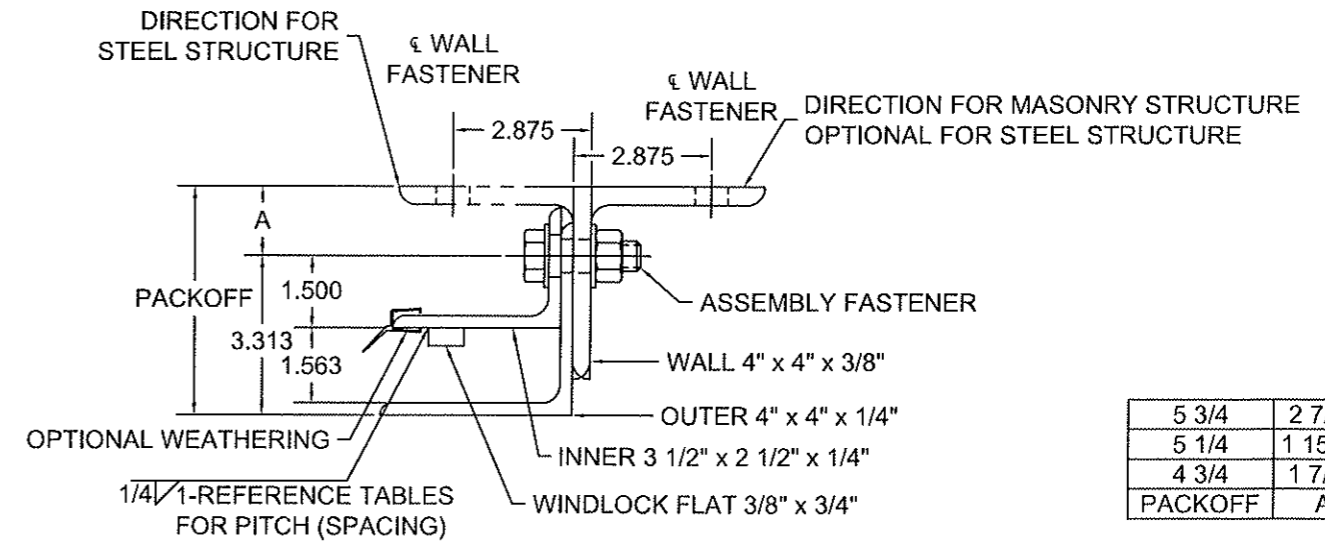
5 3/4	2 7/16
5 1/4	1 15/16
4 3/4	1 7/16
PACKOFF	A

GUIDE ASSEMBLY TYPE 445
SCALE: 3" = 1'-0"



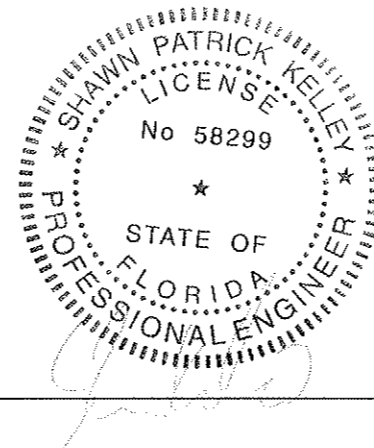
5 3/4	2 13/16
5 1/4	2 5/16
4 3/4	1 13/16
4 1/4	1 5/16
PACKOFF	A


GUIDE ASSEMBLY TYPE 344
SCALE: 3" = 1'-0"



5 3/4	2 7/16
5 1/4	1 15/16
4 3/4	1 7/16
PACKOFF	A

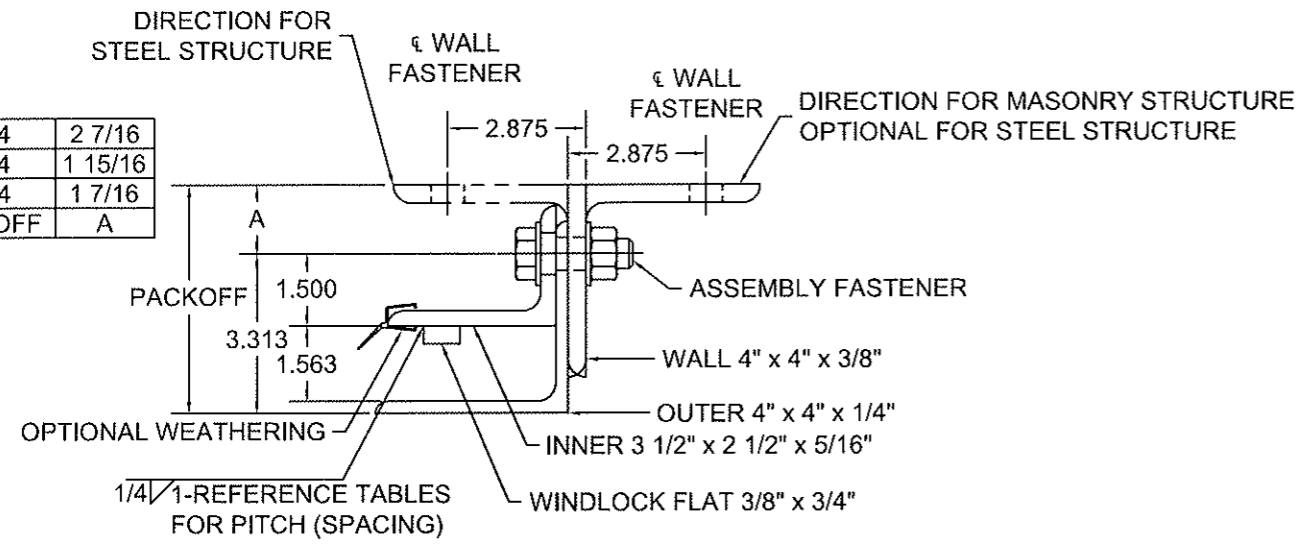
GUIDE ASSEMBLY TYPE 446
SCALE: 3" = 1'-0"



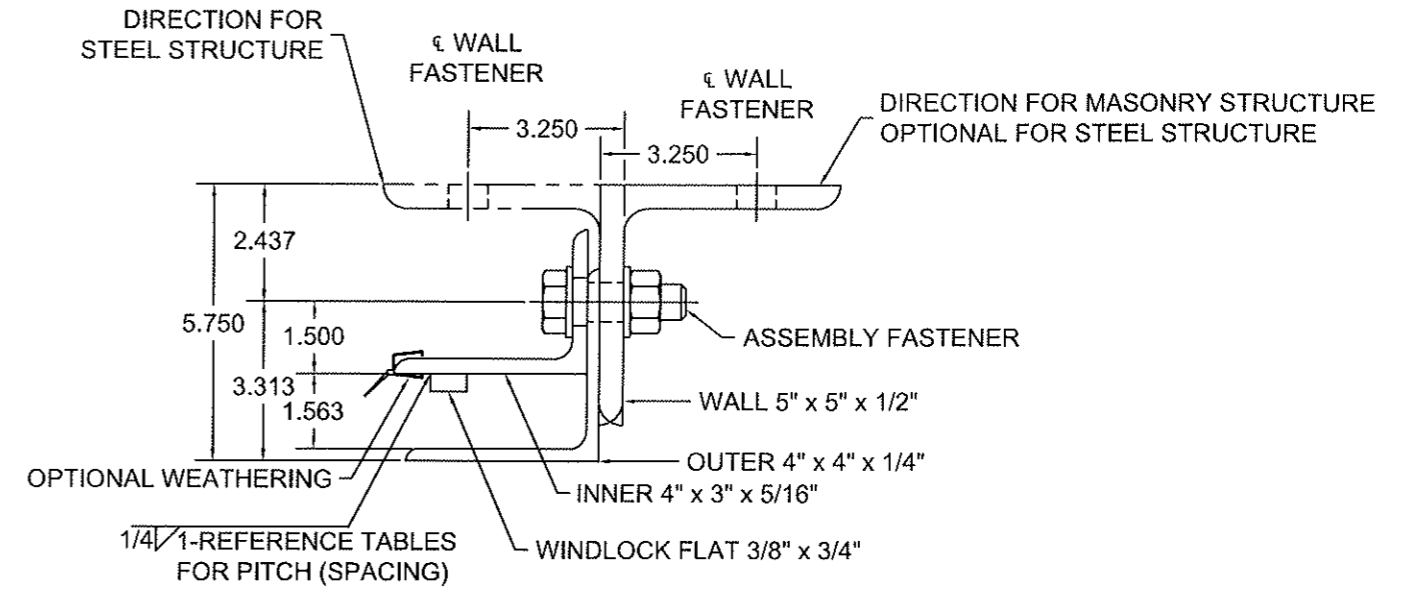
 COOKSON THE COOKSON COMPANY, INC.	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ 800 TULIP DRIVE GASTONIA, NC P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM	Unless otherwise specified, dimensions are in inches & tolerances are: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG			
		TITLE: WIND LOAD CONFIGURATION INSULATED ROLLING STEEL DOOR CP0001/CP0651 SLAT NON-IMPACT RATED	DRAWN BY: TJE	SIZE: B	SCALE: AS NOTED
DWG NO: ES-16-65-TCCI					

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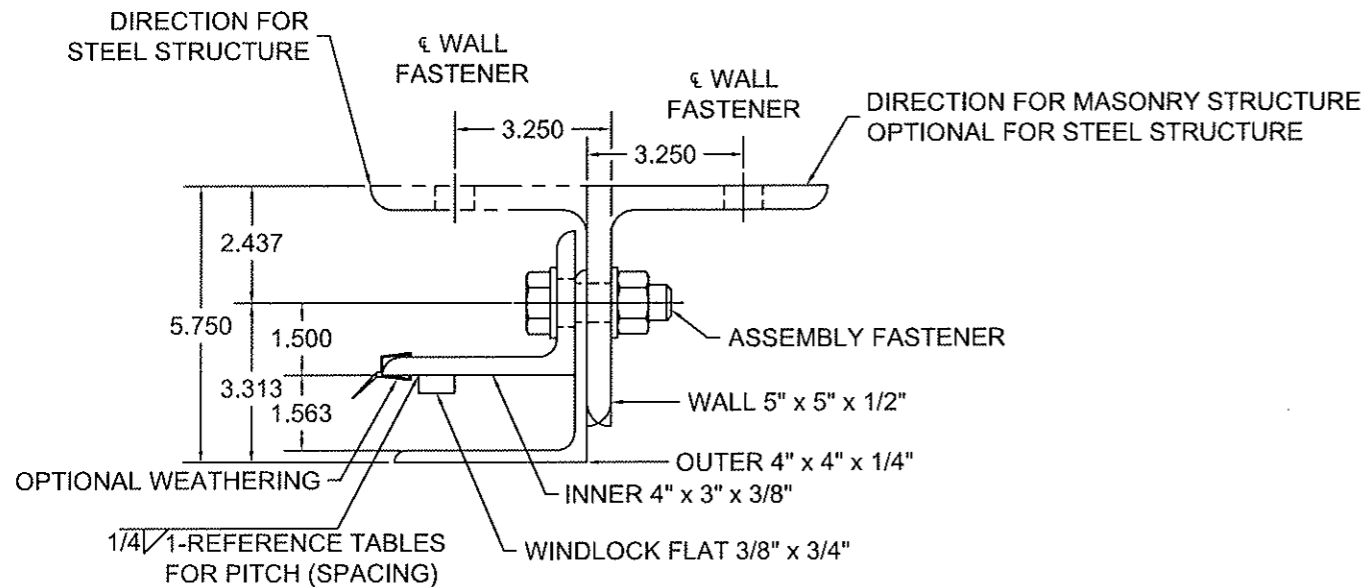
5 3/4	2 7/16
5 1/4	1 15/16
4 3/4	1 7/16
PACKOFF	A



GUIDE ASSEMBLY TYPE 546
SCALE: 3" = 1'-0"

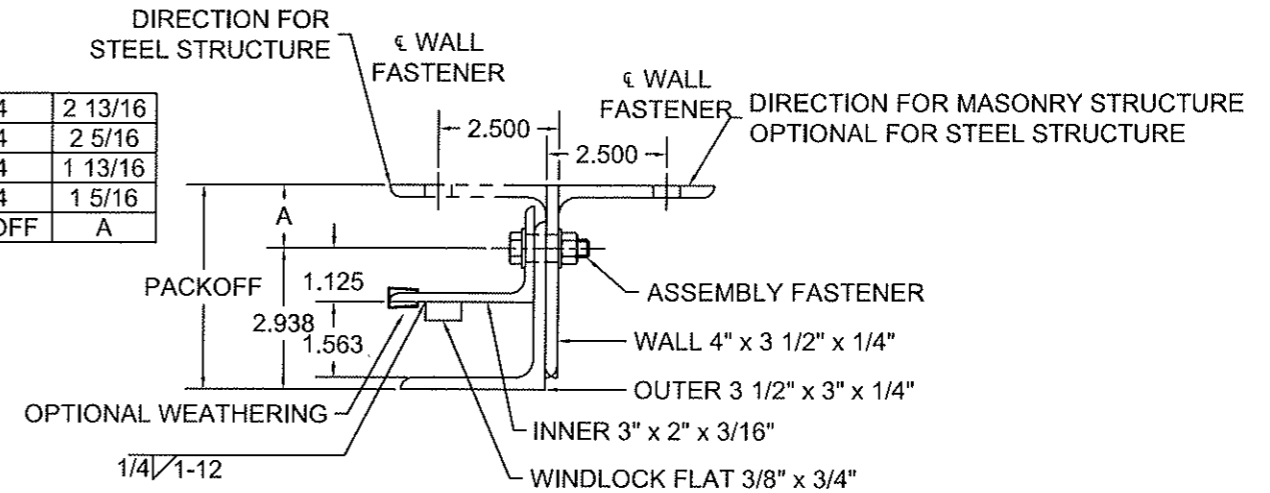


GUIDE ASSEMBLY TYPE 548
SCALE: 3" = 1'-0"

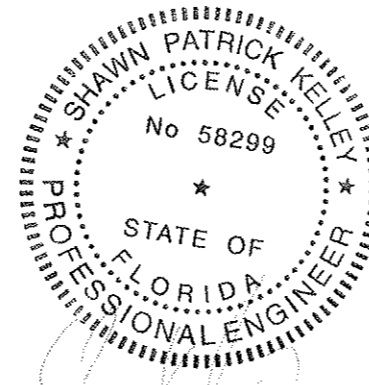


GUIDE ASSEMBLY TYPE 648
SCALE: 3" = 1'-0"

5 3/4	2 13/16
5 1/4	2 5/16
4 3/4	1 13/16
4 1/4	1 5/16
PACKOFF	A



GUIDE ASSEMBLY TYPE DC1
SCALE: 3" = 1'-0"



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THE COOKSON COMPANY, INC.

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MOUNTAINTOP, PA GOODYEAR, AZ
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GASTONIA, NC
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F: 866.448.6798
E: ADS@COOKSONDOOR.COM

Unless otherwise specified,
dimensions are in inches &
tolerances are:

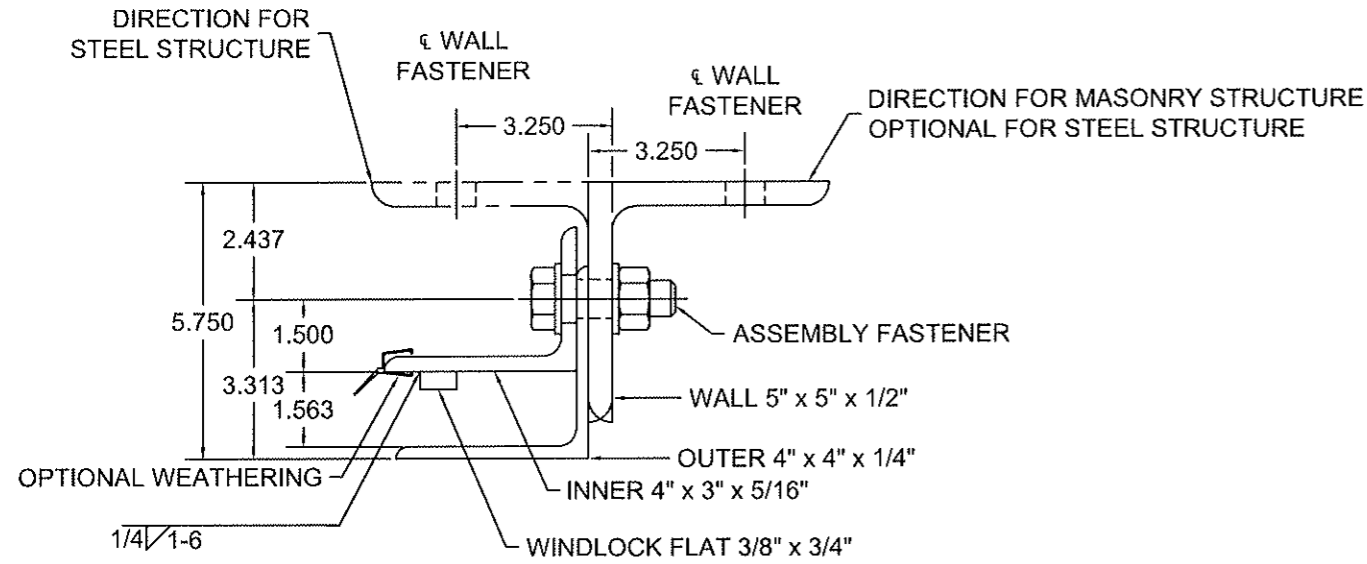
0.000 = +/- 0.031
FRACTIONAL = +/- 1/32
ANGLES = +/- 1/2 DEG

TITLE: WIND LOAD CONFIGURATION
INSULATED ROLLING STEEL DOOR
CP0001/CP0651 SLAT NON-IMPACT RATED

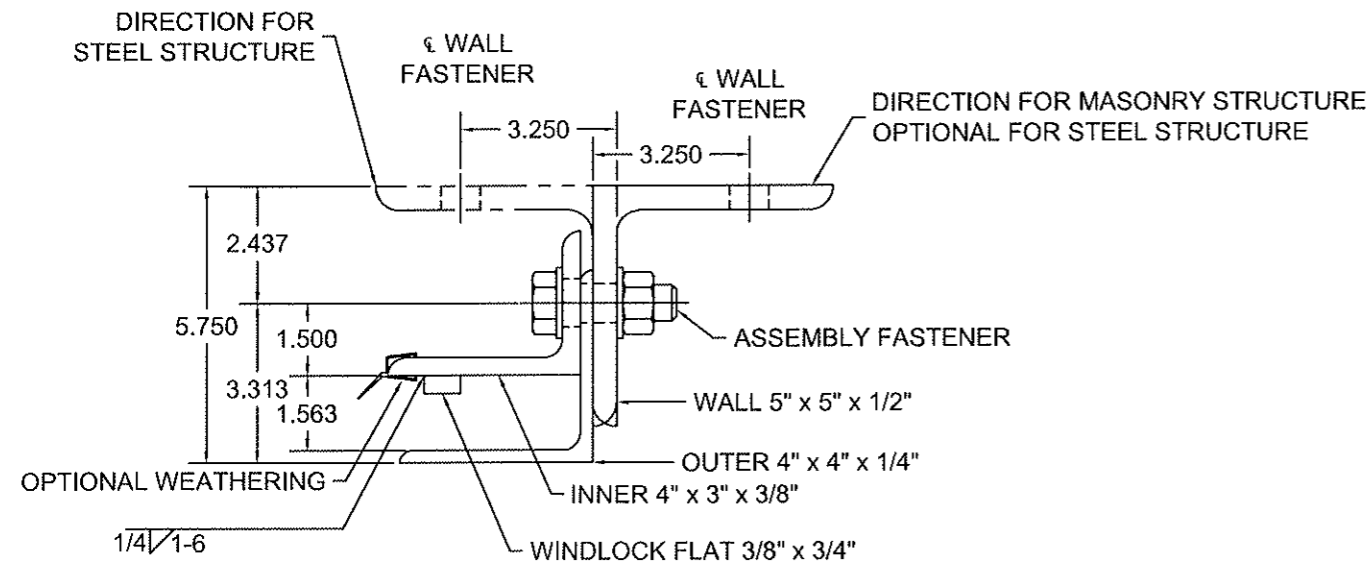
DRAWN BY: TJE
SIZE: B
SCALE: AS NOTED
SHEET: 8/21

DWG NO: ES-16-65-TCCI

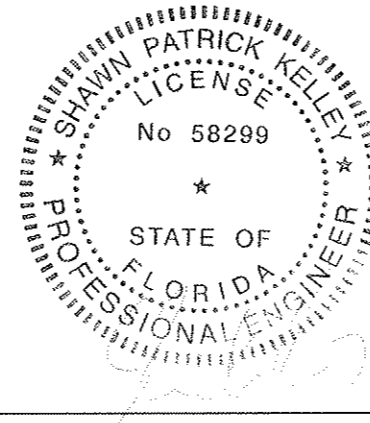
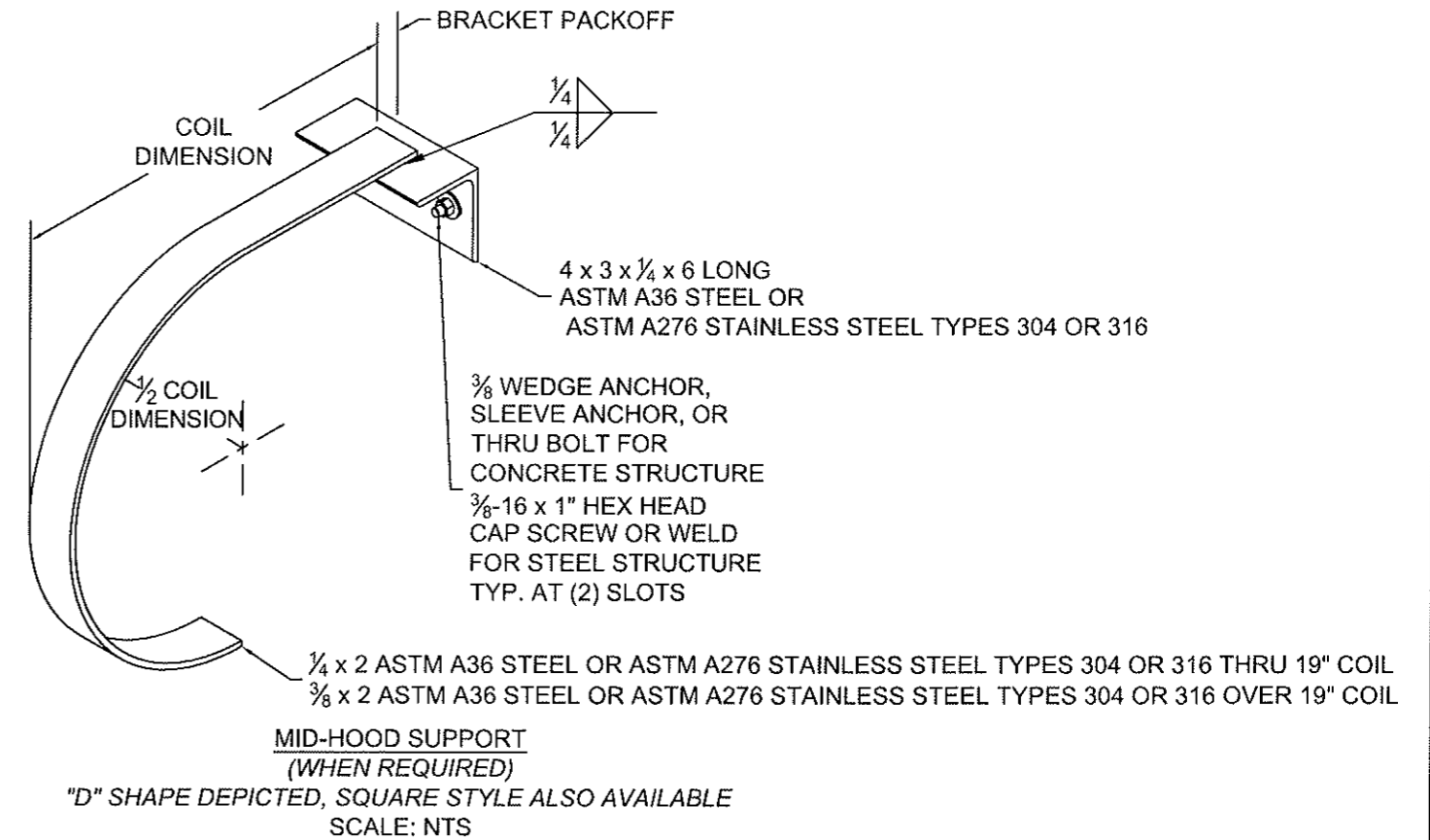
L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/20/14	TJE	1615




GUIDE ASSEMBLY TYPE DC2
SCALE: 3" = 1'-0"



GUIDE ASSEMBLY TYPE DC3
SCALE: 3" = 1'-0"



 COOKSON <small>THE COOKSON COMPANY, INC.</small>	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ 800 TULIP DRIVE GASTONIA, NC P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM	Unless otherwise specified, dimensions are in inches & tolerances are: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG	
		TITLE: WIND LOAD CONFIGURATION INSULATED ROLLING STEEL DOOR CP0001/CP0651 SLAT NON-IMPACT RATED	DRAWN BY: TJE
DWG NO: ES-16-65-TCCI			

L/TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/20/14	TJE	1615

CP0001/CP0651 - 0.0236/0.0230 Minimum Thickness Galvanized or Stainless Steel - 60 PSF																																									
DBG Up To	Windlock Flat Location	Sfp	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)												Fired CMU						Steel (Wall anchors are the same diameter as assembly fasteners)						Superimposed Loads									
								Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Triu Bolt				Powers Wedge Bolt				Hilti Kwik Bolt 3			Simpson Strong-Bolt 2			Through Bolt			Welded		Through Bolt		Tapped				
								Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed
5'-5"	N/A	N/A	CP0407	344*	N/A	3/8	24	16	2 3/8	4	5 3/4	12	2 5/8	3 15/16	5 3/4	13	3	4 1/2	5 3/4	10	2	3	5 3/4	8	1/2	3 1/2	5 3/4	11	3/4	5 3/4	5 3/4	12	3/8	5 3/8	36	36	3/16	0	165	0	183
6'-5"	N/A	N/A	CP0407	344*	N/A	3/8	24	16	2 3/8	5	5 3/4	10	2 5/8	3 15/16	5 3/4	11	3	4 1/2	5 3/4	8	2	3	5 3/4	8	3/4	3 1/4	5 3/4	10	3/4	5 3/4	5 3/4	10	3/8	5 3/8	36	36	3/16	0	155	0	193
7'-5"	N/A	N/A	CP0407	344*	N/A	3/8	24	N/A	N/A	N/A	N/A	9	2 5/8	3 15/16	5 3/4	9	3	4 1/2	5 3/4	7	2	3	5 3/4	11	3/4	4 3/8	5 3/4	8	3/4	5 3/4	5 3/4	9	3/8	5 3/8	36	36	3/16	0	225	0	223
8'-5"	N/A	N/A	CP0407	344*	N/A	3/8	24	N/A	N/A	N/A	N/A	8	2 5/8	3 15/16	5 3/4	8	3	4 1/2	5 3/4	6	2	3	5 3/4	9	3/4	4 3/8	5 3/4	8	3/4	5 3/4	5 3/4	8	3/8	5 3/8	36	36	3/16	0	255	0	253
9'-5"	N/A	N/A	CP0407	344*	N/A	3/8	24	N/A	N/A	N/A	N/A	7	2 5/8	3 15/16	5 3/4	7	3	4 1/2	5 3/4	5	2	3	5 3/4	8	3/4	4 3/8	5 3/4	N/A	N/A	N/A	N/A	7	3/8	5 3/8	36	36	3/16	0	285	0	283
14'-5"	1 3/8	0.531	CP0630 & CP0647	446	8	1/2	13	N/A	N/A	N/A	N/A	8	4 1/2	6 3/4	6 7/8	6	4 1/8	6 3/16	6 13/16	7	4	6	6 13/16	N/A	N/A	N/A	N/A	8	1/2	6 13/16	16	9	1/4	1486	435	1454	426				
15'-5"	1 7/16	0.594	CP0630 & CP0647	446	8	5/8	18	N/A	N/A	N/A	N/A	10	4 1/2	6 3/4	6 7/8	N/A	N/A	N/A	N/A	9	5	7 1/2	6 7/8	N/A	N/A	N/A	N/A	10	5/8	6 7/8	22	12	5/16	1693	465	1661	466				
16'-5"	1 1/2	0.656	CP0630 & CP0647	546	7	5/8	16	N/A	N/A	N/A	N/A	9	4 1/2	6 3/4	6 7/8	N/A	N/A	N/A	N/A	8	5	7 1/2	6 7/8	N/A	N/A	N/A	N/A	9	5/8	6 7/8	20	11	5/16	1880	495	1853	496				
17'-5"	1 5/8	0.783	CP0630 & CP0647	546	7	5/8	15	N/A	N/A	N/A	N/A	8	4 1/2	6 3/4	6 7/8	N/A	N/A	N/A	N/A	7	5	7 1/2	6 7/8	N/A	N/A	N/A	N/A	8	5/8	6 7/8	19	10	5/16	1948	525	1924	526				
18'-5"	1 3/4	0.906	CP0630 & CP0647	546	7	5/8	14	N/A	N/A	N/A	N/A	8	4 1/2	6 3/4	6 7/8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	5/8	6 7/8	18	10	5/16	2024	554	2003	556				
19'-5"	1 7/8	1.031	CP0630 & CP0647	546	7	5/8	14	N/A	N/A	N/A	N/A	7	4 1/2	6 3/4	6 7/8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7	5/8	6 7/8	17	9	5/16	2100	584	2087	586				
20'-5"	2 1/8	1.283	CP0630 & CP0647	548	7	3/4	18	N/A	N/A	N/A	N/A	10	5	7 1/2	7 1/2	11	6 5/8	9 15/16	7 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10	3/4	7 1/2	36	21	3/8	2065	614	2043	615				
21'-5"	2 1/4	1.406	CP0630 & CP0647	548	7	3/4	18	N/A	N/A	N/A	N/A	10	5	7 1/2	7 1/2	11	6 5/8	9 15/16	7 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10	3/4	7 1/2	36	20	3/8	2160	643	2140	643				
22'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18	N/A	N/A	N/A	N/A	9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9	3/4	7 1/2	36	20	3/8	2149	672	2133	672				
23'-5"	2 1/2	1.656	CP0630 & CP0647	548	6	3/4	17	N/A	N/A	N/A	N/A	9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9	3/4	7 1/2	34	18	3/8	2344	705	2329	703				
24'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	16	N/A	N/A	N/A	N/A	8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	32	17	3/8	2540	732	2524	733				
25'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	15	N/A	N/A	N/A	N/A	7	5	7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7	3/4	7 1/2	29	16	3/8	2736	763	2721	763				

CP0001/CP0651 - 0.0236/0.0230 Minimum Thickness Galvanized or Stainless Steel - 65 PSF																																									
DBG Up To	Windlock Flat Location	Sfp	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)												Fired CMU						Steel (Wall anchors are the same diameter as assembly fasteners)						Superimposed Loads									
								Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Triu Bolt				Powers Wedge Bolt				Hilti Kwik Bolt 3			Simpson Strong-Bolt 2			Through Bolt			Welded		Through Bolt		Tapped				
								Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed
5'-5"	N/A	N/A	CP0407	344*	N/A	3/8	24	16	2 3/8	4	5 3/4	11	2 5/8	3 15/16	5 3/4	12	3	4 1/2	5 3/4	9	2	3	5 3/4	8	3/4	3 1/4	5 3/4	11	3/8	5 3/4	36	36	3/16	0	178	0	177				
6'-5"	N/A	N/A	CP0407	344*	N/A	3/8	24	6	2 3/8	5	5 3/4	9	2 5/8	3 15/16	5 3/4	10	3	4 1/2	5 3/4	7	2	3	5 3/4	12	3/4	4 3/8	5 3/4	9	3/4	5 3/4	5 3/4	9	3/8	5 3/8	36	36	3/16	0	212	0	209
7'-5"	N/A	N/A	CP0407	344*	N/A	3/8	24	N/A	N/A	N/A	N/A	8	2 5/8	3 15/16	5 3/4	8	3	4 1/2	5 3/4	6	2	3	5 3/4	10	3/4	4 3/8	5 3/4	8	3/4	5 3/4	5 3/4	8	3/8	5 3/8	36	36	3/16	0	246	0	242
8'-5"	N/A	N/A	CP0407	344*	N/A	3/8	24	N/A	N/A	N/A	N/A	7	2 5/8	3 15/16	5 3/4	7	3	4 1/2	5 3/4	6	2	3	5 3/4	9	3/4	4 3/8	5 3/4	N/A	N/A	N/A	N/A	7	3/8	5 3/8	36	36	3/16	0	277	0	274
14'-5"	1 5/16	0.469	CP0630 & CP0647	446	7	5/8	17	N/A	N/A	N/A	N/A	9	4 1/2	6 3/4	6 7/8	N/A	N/A	N/A	N/A	8	5	7 1/2	6 7/8	N/A	N/A	N/A	N/A	9	5/8	6 7/8	20	11	5/16	1844	472	1806	473				
15'-5"	1 3/8	0.531	CP0630 & CP0647	546	7	5/8	15	N/A	N/A	N/A	N/A	8	4 1/2	6 3/4	6 7/8	N/A	N/A	N/A	N/A	7	5	7 1/2	6 7/8	N/A	N/A	N/A	N/A	8	5/8	6 7/8	18	10	5/16	2044	505	2010	506				
16'-5"	1 1/2	0.656	CP0630 & CP0647	546	7	5/8	15	N/A	N/A	N/A	N/A	8	4 1/2	6 3/4	6 7/8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	5/8	6 7/8	18	9	5/16	2090	536	2060	538				
17'-5"	1 1/2	0.656	CP0630 & CP0647	548	6	3/4	18	N/A	N/A	N/A	N/A	9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9	3/4	7 1/2	33	18	3/8	2423	571	2383	571				
18'-5"	1 5/8	0.783	CP0630 & CP0647	548	6	3/4	18	N/A	N/A	N/A	N/A	9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9	3/4	7 1/2	33	18	3/8	2463	603	2428	603				
19'-5"	1 3/4	0.906	CP0630 & CP0647	548	6	3/4	18	N/A	N/A	N/A	N/A	8	5	7 1/2	7 1/2	9	6 5/8	9 15/16	7 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	32	17	3/8	2521	635	2489	635				
20'-5"	1 7/8	1.031	CP0630 & CP0647	548	6	3/4	17	N/A	N/A	N/A	N/A	8	5	7 1/2	7 1/2	8	6 5/8	9 15/16	7 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	31	17	3/8	2588	667	2559	667				
21'-5"	2	1.155	CP0630 & CP0647	648	6	3/4	16	N/A	N/A	N/A	N/A	8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	30	16	3/8	2662	699	2636	699				
22'-5"	2 1/4	1.406	CP0630 & CP0647	648	6	3/4	16	N/A	N/A	N/A	N/A	8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	31	17	3/8	2595	730	2574	730				
23'-5"	2 3/8	1.531	CP0630 & CP0647	648	6	3/4	15	N/A	N/A	N/A	N/A	8	5	7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	30	16	3/8	2685	762	2666	762				
24'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	15	N/A	N/A	N/A	N/A	7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7	3/4	7 1/2	29	16	3/8	2775	794	2758	794				

CP0001/CP0651 - 0.0236/0.0230 Minimum Thickness Galvanized or Stainless Steel - 70 PSF																																						
DBG Up To	Windlock Flat Location	Sfp	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)												Fired CMU						Steel (Wall anchors are the same diameter as assembly fasteners)						Superimposed Loads						
								Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Triu Bolt				Powers Wedge Bolt				Hilti Kwik Bolt 3			Simpson Strong-Bolt 2			Through Bolt			Welded		Through Bolt		Tapped	
								Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.
5'-																																						

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/20/14	TJE	1615

CP001/CP0651 - 0.0256/0.0220 Minimum Thickness Galvanized or Stainless Steel - 60 PSF																																											
DRG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Weld Patch	Assembly Fastener Diameter	Assembly Fastener Spacing	Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)												Filled CMU						Steel (Wall anchors are the same diameter as assembly fasteners)						Superimposed Loads											
								Hitik Kwik Bolt 3				Simpson Wedge All				Red Head Tru-Bolt				Powers Wedge Bolt				Hitik Kwik Bolt 3			Simpson Strong Bolt 2			Through Bolt			Welded		Through Bolt		Tapped		Vx (+)	Vy (+)	Vz (+)	Vx (-)	
								Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.					Edge Dist.
5'-0"	N/A	N/A	CP0407	344"	N/A	3/8	24	16	2 3/8	4	5 3/4	12	2 5/8	3 15/16	5 3/4	13	3	4 1/2	5 3/4	10	2	3	5 3/4	8	3/4	3 1/2	5 3/4	11	3/4	5 1/4	5 3/4	12	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	165	0	163
6'-0"	N/A	N/A	CP0407	344"	N/A	3/8	24	16	2 3/8	4	5 3/4	10	2 5/8	3 15/16	5 3/4	11	3	4 1/2	5 3/4	8	2	3	5 3/4	8	3/4	3 1/2	5 3/4	10	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	195	0	193				
7'-0"	N/A	N/A	CP0407	344"	N/A	3/8	24	N/A	N/A	N/A	N/A	9	2 5/8	3 15/16	5 3/4	9	3	4 1/2	5 3/4	7	2	3	5 3/4	11	3/4	4 3/8	5 3/4	8	3/4	5 1/4	5 3/4	9	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	225	0	223
8'-0"	N/A	N/A	CP0407	344"	N/A	3/8	24	N/A	N/A	N/A	N/A	8	2 5/8	3 15/16	5 3/4	8	3	4 1/2	5 3/4	6	2	3	5 3/4	2	3/4	4 3/8	5 3/4	N/A	N/A	N/A	N/A	8	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	255	0	253
9'-0"	N/A	N/A	CP0407	344"	N/A	3/8	24	N/A	N/A	N/A	N/A	7	2 5/8	3 15/16	5 3/4	7	3	4 1/2	5 3/4	5	2	3	5 3/4	8	3/4	4 3/8	5 3/4	N/A	N/A	N/A	N/A	7	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	285	0	283
12'-0"	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	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	1/2	3 1/2	8	8	1/2	4 1/2	8	N/A	N/A	18	9/16 x 3/4	18	18	1/4	412	375	365	373	
14'-0"	1 5/16	0.469	CP0630	445	8	1/2	14	N/A	N/A	N/A	N/A	9	4 1/2	6 3/4	6 13/16	7	4 1/8	6 3/16	6 13/16	7	4	6	6 13/16	N/A	N/A	N/A	N/A	9	1/2	6 13/16	17	9/16 x 3/4	17	9	1/4	1388	435	1351	436				
15'-0"	1 3/8	0.531	CP0630	446	8	5/8	18	N/A	N/A	N/A	N/A	10	4 1/2	6 3/4	6 7/8	8	7 1/2	11 1/4	6 7/8	9	5	7 1/2	6 7/8	N/A	N/A	N/A	N/A	10	5/8	6 7/8	23	13/16 x 7/8	23	12	5/16	1613	465	1579	466				
16'-0"	1 1/2	0.656	CP0630	446	8	5/8	18	N/A	N/A	N/A	N/A	10	4 1/2	6 3/4	6 7/8	N/A	N/A	N/A	N/A	8	5	7 1/2	6 7/8	N/A	N/A	N/A	N/A	10	5/8	6 7/8	22	13/16 x 7/8	22	12	5/16	1688	496	1659	496				
17'-0"	1 5/8	0.781	CP0630 & CP0647	546	7	5/8	17	N/A	N/A	N/A	N/A	9	4 1/2	6 3/4	6 7/8	N/A	N/A	N/A	N/A	8	5	7 1/2	6 7/8	N/A	N/A	N/A	N/A	9	5/8	6 7/8	21	13/16 x 7/8	21	11	5/16	1777	524	1752	525				
18'-0"	1 3/4	0.906	CP0630 & CP0647	546	7	5/8	16	N/A	N/A	N/A	N/A	8	4 1/2	6 3/4	6 7/8	N/A	N/A	N/A	N/A	7	5	7 1/2	6 7/8	N/A	N/A	N/A	N/A	8	5/8	6 7/8	20	13/16 x 7/8	20	11	5/16	1873	556	1851	555				
19'-0"	1 7/8	1.031	CP0630 & CP0647	546	7	5/8	15	N/A	N/A	N/A	N/A	8	4 1/2	6 3/4	6 7/8	N/A	N/A	N/A	N/A	7	5	7 1/2	6 7/8	N/A	N/A	N/A	N/A	8	5/8	6 7/8	19	13/16 x 7/8	19	10	5/16	1970	583	1951	585				
20'-0"	2	1.156	CP0630 & CP0647	546	7	5/8	14	N/A	N/A	N/A	N/A	7	4 1/2	6 3/4	6 7/8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7	5/8	6 7/8	18	13/16 x 7/8	18	10	5/16	2067	613	2050	614				
21'-0"	2 1/8	1.281	CP0630 & CP0647	548	7	3/4	18	N/A	N/A	N/A	N/A	10	5	7 1/2	7 1/2	11	6 5/8	9 15/16	7 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10	3/4	7 1/2	36	13/16 x 1	36	20	3/8	2173	644	2150	644				
22'-0"	2 3/8	1.531	CP0630 & CP0647	548	7	3/4	18	N/A	N/A	N/A	N/A	9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9	3/4	7 1/2	36	13/16 x 1	36	20	3/8	2152	672	2133	673				
23'-0"	2 1/2	1.656	CP0630 & CP0647	548	6	3/4	18	N/A	N/A	N/A	N/A	9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	36	13/16 x 1	36	19	3/8	2252	702	2235	703				
24'-0"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	16	N/A	N/A	N/A	N/A	8	5	7 1/2	7 1/2	8	6 5/8	9 15/16	7 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	33	13/16 x 1	33	18	3/8	2455	732	2439	732				
25'-0"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	15	N/A	N/A	N/A	N/A	8	5	7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	30	13/16 x 1	30	16	3/8	2658	762	2642	763				
26'-0"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	14	N/A	N/A	N/A	N/A	7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	2861	793	2845	793				
27'-0"	2 1/2	1.656	CP0630 & CP0647	648	5	3/4	13	N/A	N/A	N/A	N/A	7	5	7 1/2	7 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7	3/4	7 1/2	26	13/16 x 1	26	14	3/8	3065	823	3049	824				
28'-0"	2 1/2	1.656	CP0630 & CP0647	648	5	3/4	13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	25	13/16 x 1	25	13	3/8	3270	854	3254	854	
29'-0"	2 1/2	1.656	CP0630 & CP0647	648	5	3/4	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	23	13/16 x 1	23	12	3/8	3476	884	3460	885	

CP001/CP0651 - 0.0256/0.0220 Minimum Thickness Galvanized or Stainless Steel - 65 PSF																																											
DRG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Weld Patch	Assembly Fastener Diameter	Assembly Fastener Spacing	Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)												Filled CMU						Steel (Wall anchors are the same diameter as assembly fasteners)						Superimposed Loads											
								Hitik Kwik Bolt 3				Simpson Wedge All				Red Head Tru-Bolt				Powers Wedge Bolt				Hitik Kwik Bolt 3			Simpson Strong Bolt 2			Through Bolt			Welded		Through Bolt		Tapped		Vx (+)	Vy (+)	Vz (+)	Vx (-)	
								Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.					Edge Dist.
5'-0"	N/A	N/A	CP0407	344"	N/A	3/8	24	16	2 3/8	4	5 3/4	11	2 5/8	3 15/16	5 3/4	12	3	4 1/2	5 3/4	9	2	3	5 3/4	8	3/4	3 1/4	5 3/4	10	3/4	5 1/4	5 3/4	11	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	179	0	177
6'-0"	N/A	N/A	CP0407	344"	N/A	3/8	24	6	2 3/8	5	5 3/4	9	2 5/8	3 15/16	5 3/4	10	3	4 1/2	5 3/4	7	2	3	5 3/4	12	3/4	4 3/8	5 3/4	9	3/4	5 1/4	5 3/4	9	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	212	0	209
7'-0"	N/A	N/A	CP0407	344"	N/A	3/8	24	N/A	N/A	N/A	N/A	8	2 5/8	3 15/16	5 3/4	8	3	4 1/2	5 3/4	6	2	3	5 3/4	10	3/4	4 3/8	5 3/4	8	3/4	5 1/4	5 3/4	8	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	244	0	242
8'-0"	N/A	N/A	CP0407	344"	N/A	3/8	24	N/A	N/A	N/A	N/A	7	2 5/8	3 15/16	5 3/4	7	3	4 1/2	5 3/4	6	2	3	5 3/4	9	3/4	4 3/8	5 3/4	N/A	N/A	N/A	N/A	7	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	277	0	274
9'-0"	N/A	N/A	CP0407	344"	N/A	3/8	24	N/A	N/A	N/A	N/A	6	2 5/8	3 15/16	5 3/4	7	3	4 1/2	5 3/4	5	2	3	5 3/4	8	3/4	4 3/8	5 3/4	N/A	N/A	N/A	N/A	6	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	309	0	307
12'-0"	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	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	1/2	3 1/2	8	8	1/2	4 1/2	8	N/A	N/A	18	9/16 x 3/4	18	18	1/4	560	406	547	404	
15'-0"	1 3/8	0.531	CP0630 & CP0647	546	7	5/8	17	N/A	N/A	N/A	N/A	9	4 1/2	6 3/4	6 7/8	6	7 1/2	11 1/4	6 7/8	8	5	7 1/2	6 7/8	N/A	N/A	N/A	N/A	9	5/8	6 7/8	20	13/16 x 7/8	20	11	5/16	1826	504	1790	505				
16'-0"	1 7/16	0.594	CP0630 & CP0647	546	7	5/8	15	N/A	N/A	N/A	N/A	8	4 1/2	6 3/4	6 7/8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	5/8	6 7/8	18	13/16 x 7/8	18	10	5/16	2040	537	2007	538				
17'-0"	1 1/2	0.656	CP0630 & CP0647	548	6	3/4	18	N/A	N/A	N/A	N/A	10	5	7 1/2	7 1/2	11	6 5/8	9 15/16	7 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10	3/4	7 1/2	36	13/16 x 1	36	19	3/8	2254	570	2211	571				
18'-0"	1 5/8	0.781	CP0630 & CP0647	548	6	3/4	18	N/A	N/A	N/A	N/A	9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9	3/4	7 1/2	35	13/16 x 1	35	19	3/8	2312	602	2274	603				
19'-0"	1 3/4	0.906	CP0630 & CP0647																																								

L'T/R	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/20/14	TJE	1615

CP0001/CP0651 - 0.0405/0.0220 Minimum Thickness Galvanized or Stainless Steel - 80 PSF																																						
DBG Up To	Windlock Flat Location	Slp	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)												Filled CMU						Steel (Wall anchors are the same diameter as assembly fasteners)						Superimposed Loads						
								Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Tri-Bolt				Powers Wedge Bolt				Hilti Kwik Bolt 3			Simpson Strong-Bolt 2			Through Bolt			Welded		Through Bolt		Tapped	
								Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Dia.	Embed	Edge Dist.	Max O.C.	Dia.	Embed	Edge Dist.	Max O.C.	Dia.	Edge Distance	Max O.C.	Slot Size	Max O.C.	Min. Thickness
5'-5"	N/A	N/A	CP0407	344"	N/A	3/8	24	N/A	8	2 5/8	3 15/16	5 3/4	9	3	4 1/2	5 3/4	7	2	3	5 3/4	11	3/4	4 3/8	5 3/4	8	3/4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	280	0	237		
6'-5"	N/A	N/A	CP0407	344"	N/A	3/8	24	N/A	8	2 5/8	3 15/16	5 3/4	8	3	4 1/2	5 3/4	6	2	3	5 3/4	9	3/4	4 3/8	5 3/4	7	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	280	0	237		
7'-5"	N/A	N/A	CP0407	344"	N/A	3/8	24	N/A	7	2 5/8	3 15/16	5 3/4	7	3	4 1/2	5 3/4	5	2	3	5 3/4	8	3/4	4 3/8	5 3/4	N/A	N/A	7	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	300	0	297
8'-5"	N/A	N/A	CP0407	344"	N/A	3/8	24	N/A	6	2 5/8	3 15/16	5 3/4	6	3	4 1/2	5 3/4	4	2	3	5 3/4	N/A	N/A	N/A	N/A	N/A	N/A	6	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	350	0	337
13'-5"	1 5/16	0.469	CP0630	546	8	5/8	18	N/A	10	4 1/2	6 3/4	6 7/8	N/A	N/A	N/A	N/A	9	5	7 1/2	6 7/8	N/A	N/A	N/A	N/A	N/A	N/A	10	5/8	6 7/8	24	13/16 x 7/8	24	13	3/8	1543	529	1494	540
14'-5"	1 7/16	0.524	CP0630	546	8	5/8	17	N/A	9	4 1/2	6 3/4	6 7/8	N/A	N/A	N/A	N/A	8	5	7 1/2	6 7/8	N/A	N/A	N/A	N/A	N/A	N/A	9	5/8	6 7/8	22	13/16 x 7/8	22	12	3/8	1693	579	1651	580
15'-5"	1 1/2	0.656	CP0630 & CP0647	546	7	5/8	15	N/A	8	4 1/2	6 3/4	6 7/8	N/A	N/A	N/A	N/A	7	5	7 1/2	6 7/8	N/A	N/A	N/A	N/A	N/A	N/A	8	5/8	6 7/8	18	13/16 x 7/8	18	10	3/8	1991	639	1953	620
16'-5"	1 5/8	0.781	CP0630 & CP0647	546	7	5/8	14	N/A	7	4 1/2	6 3/4	6 7/8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7	5/8	6 7/8	17	13/16 x 7/8	17	9	3/8	2120	650	2097	660
17'-5"	1 7/8	1.031	CP0630 & CP0647	548	7	3/4	18	N/A	10	5	7 1/2	7 1/2	11	5 5/8	9 15/16	7 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10	3/4	7 1/2	36	13/16 x 1	36	21	3/8	2086	690	2047	659
18'-5"	2	1.156	CP0630 & CP0647	548	6	3/4	18	N/A	9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9	3/4	7 1/2	36	13/16 x 1	36	19	3/8	2244	722	2209	728
19'-5"	2 1/4	1.406	CP0630 & CP0647	548	6	3/4	17	N/A	9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9	3/4	7 1/2	35	13/16 x 1	35	19	3/8	2251	727	2223	727
20'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	17	N/A	9	5	7 1/2	7 1/2	9	6 5/8	9 15/16	7 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9	3/4	7 1/2	35	13/16 x 1	35	19	3/8	2285	815	2262	815
21'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	15	N/A	8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	33	13/16 x 1	33	17	3/8	2552	855	2530	856
22'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	14	N/A	7	5	7 1/2	7 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	2817	895	2795	896
23'-5"	2 1/2	1.656	CP0630 & CP0647	648	5	3/4	13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	26	13/16 x 1	26	14	3/8	3082	936	3060	936	
24'-5"	2 1/2	1.656	CP0630 & CP0647	648	5	3/4	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	24	13/16 x 1	24	13	3/8	3360	976	3325	977	

CP0001/CP0651 - 0.0405/0.0220 Minimum Thickness Galvanized or Stainless Steel - 90 PSF																																						
DBG Up To	Windlock Flat Location	Slp	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)												Filled CMU						Steel (Wall anchors are the same diameter as assembly fasteners)						Superimposed Loads						
								Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Tri-Bolt				Powers Wedge Bolt				Hilti Kwik Bolt 3			Simpson Strong-Bolt 2			Through Bolt			Welded		Through Bolt		Tapped	
								Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Dia.	Embed	Edge Dist.	Max O.C.	Dia.	Embed	Edge Dist.	Max O.C.	Dia.	Edge Distance	Max O.C.	Slot Size	Max O.C.	Min. Thickness
5'-5"	N/A	N/A	CP0407	344"	N/A	3/8	24	N/A	8	2 5/8	3 15/16	5 3/4	8	3	4 1/2	5 3/4	6	2	3	5 3/4	10	3/4	4 3/8	5 3/4	N/A	N/A	8	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	248	0	244
6'-5"	N/A	N/A	CP0407	344"	N/A	3/8	24	N/A	7	2 5/8	3 15/16	5 3/4	7	3	4 1/2	5 3/4	5	2	3	5 3/4	8	3/4	4 3/8	5 3/4	N/A	N/A	7	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	293	0	289
7'-5"	N/A	N/A	CP0407	344"	N/A	3/8	24	N/A	6	2 5/8	3 15/16	5 3/4	6	3	4 1/2	5 3/4	4	2	3	5 3/4	N/A	N/A	N/A	N/A	N/A	N/A	6	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	338	0	334
8'-5"	N/A	N/A	CP0407	344"	N/A	3/8	24	N/A	5	2 5/8	3 15/16	5 3/4	N/A	N/A	N/A	N/A	5	2	3	5 3/4	N/A	N/A	N/A	N/A	N/A	N/A	5	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	383	0	379
13'-5"	1 5/16	0.469	CP0630 & CP0647	546	7	5/8	15	N/A	8	4 1/2	6 3/4	6 7/8	N/A	N/A	N/A	N/A	7	5	7 1/2	6 7/8	N/A	N/A	N/A	N/A	N/A	N/A	8	5/8	6 7/8	19	13/16 x 7/8	19	10	3/8	1913	607	1859	608
14'-5"	1 7/16	0.524	CP0630 & CP0647	546	7	5/8	14	N/A	8	4 1/2	6 3/4	6 7/8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	5/8	6 7/8	18	13/16 x 7/8	18	10	3/8	2057	657	2017	653
15'-5"	1 1/2	0.656	CP0630 & CP0647	548	6	3/4	18	N/A	9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9	3/4	7 1/2	34	13/16 x 1	34	18	3/8	2302	699	2233	698
16'-5"	1 5/8	0.781	CP0630 & CP0647	548	6	3/4	17	N/A	8	5	7 1/2	7 1/2	9	6 5/8	9 15/16	7 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	32	13/16 x 1	32	17	3/8	2500	743	2478	743
17'-5"	1 3/4	0.906	CP0630 & CP0647	648	6	3/4	16	N/A	8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	30	13/16 x 1	30	16	3/8	2674	787	2628	788
18'-5"	1 7/8	1.031	CP0630 & CP0647	648	6	3/4	15	N/A	7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	2930	832	2775	832
19'-5"	2 1/8	1.281	CP0630 & CP0647	648	6	3/4	15	N/A	7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7	3/4	7 1/2	29	13/16 x 1	29	15	3/8	2777	825	2743	825
20'-5"	2 1/4	1.406	CP0630 & CP0647	648	6	3/4	14	N/A	7	5	7 1/2	7 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7	3/4	7 1/2	27	13/16 x 1	27	15	3/8	2932	819	2902	820
21'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	13	N/A	7	5	7 1/2	7 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7	3/4	7 1/2	27	13/16 x 1	27	15	3/8	2936	867	2914	863
22'-5"	2 1/2	1.656	CP0630 & CP0647	648	5	3/4	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	25	13/16 x 1	25	13	3/8	3291	1008	3207	1008	

CP0001/CP0651 - 0.0405/0.0220 Minimum Thickness Galvanized or Stainless Steel - 100 PSF																																						
DBG Up To	Windlock Flat Location	Slp	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)												Filled CMU						Steel (Wall anchors are the same diameter as assembly fasteners)						Superimposed Loads						
								Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Tri-Bolt				Powers Wedge Bolt				Hilti Kwik Bolt 3			Simpson Strong-Bolt 2			Through Bolt			Welded		Through Bolt		Tapped	
								Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Embed	Min. Wall Thick.	Edge Dist.	Max O.C.	Dia.	Embed	Edge Dist.	Max O.C.	Dia.	Embed	Edge Dist.	Max O.C.	Dia.	Edge Distance	Max O.C.	Slot Size	Max O.C.	Min. Thickness
5'-5"	N/A	N/A	CP0407	344"	N/A	3/8	24	N/A	7	2 5/8	3 15/16	5 3/4	7	3	4 1/2	5 3/4	6	2	3	5 3/4	9	3/4	4 3/8	5 3/4	N/A	N/A	7	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	275	0	271
6'-5"	N/A	N/A	CP0407	344"	N/A	3/8	24	N/A	6	2 5/8	3 15/16	5 3/4	6	3	4 1/2	5 3/4	5	2	3	5 3/4	8	3/4	4 3/8	5 3/4	N/A	N/A	6	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	325	0	321
7'-5"	N/A	N/A	CP0407	344"	N/A	3/8	24	N/A	5	2 5/8	3 15/16	5 3/4	N/A	N/A	N/A	N/A	6	2 1/2	3 3/4	5 3/4	N/A	N/A	N/A	N/A	N/A													