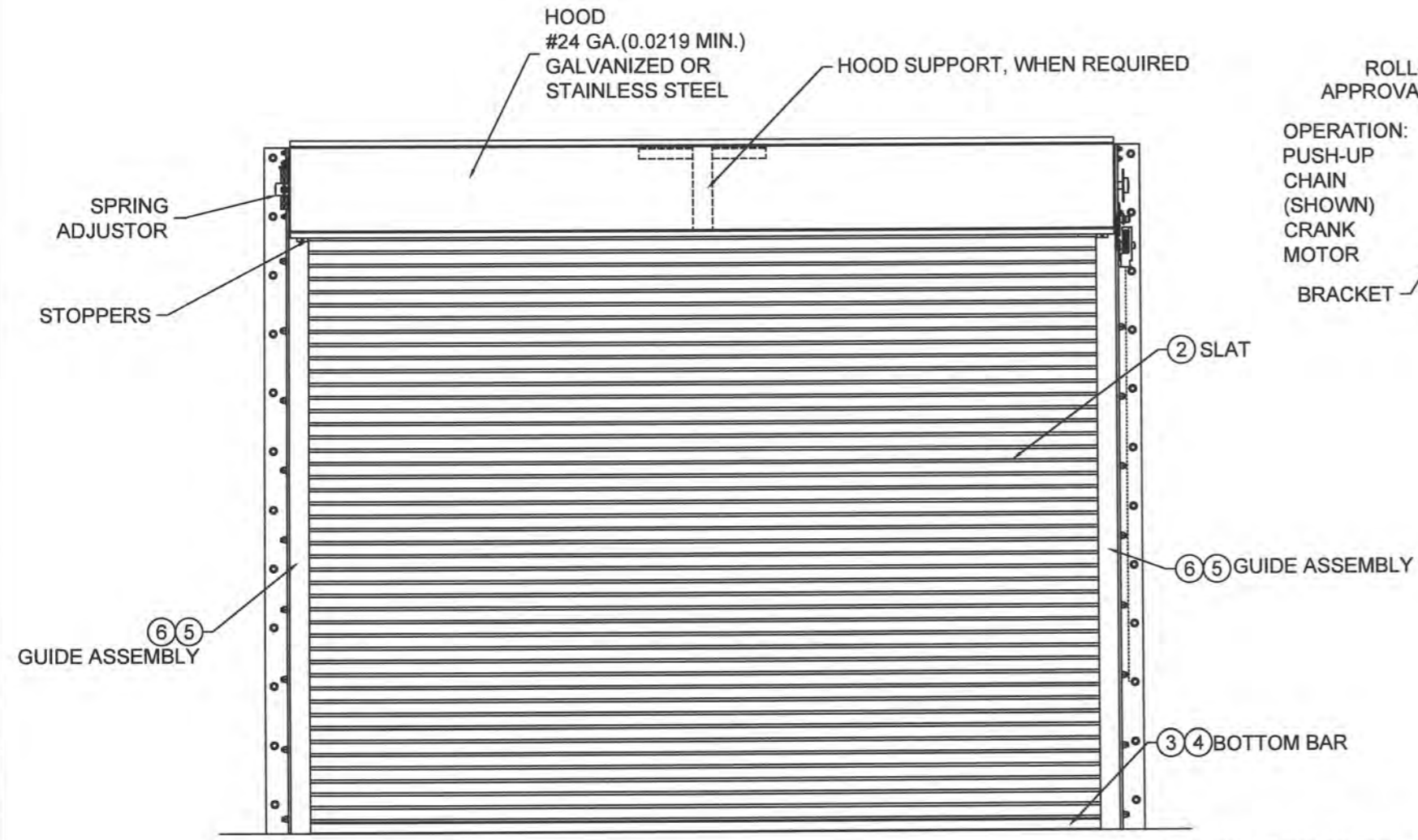
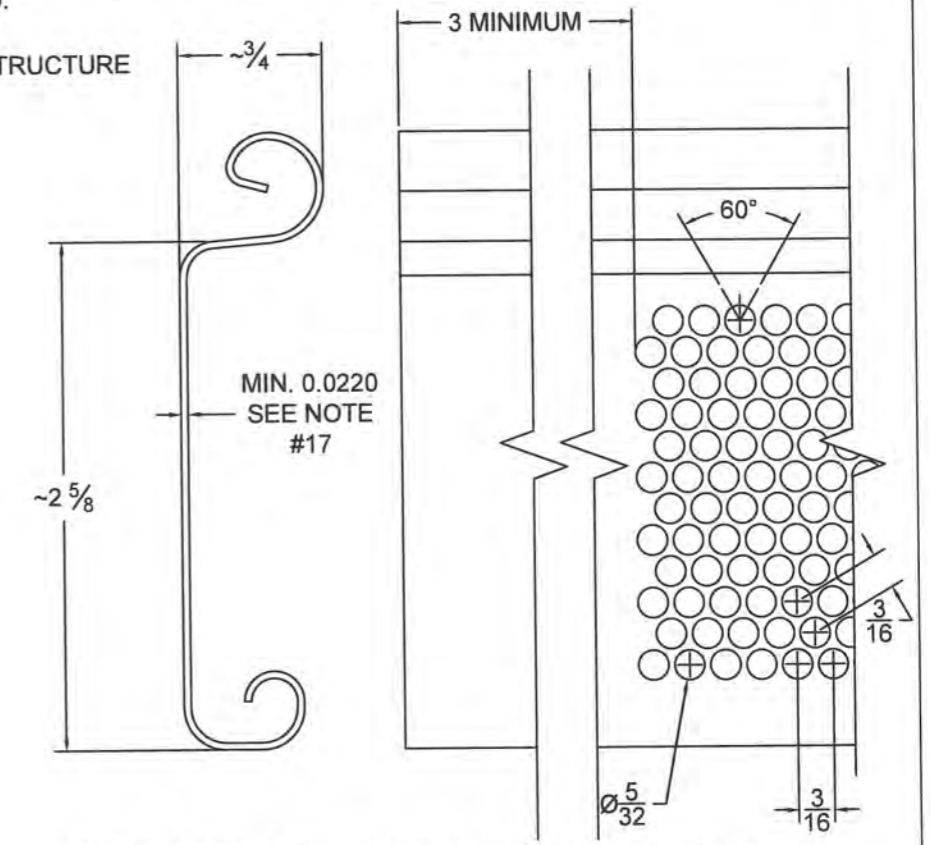
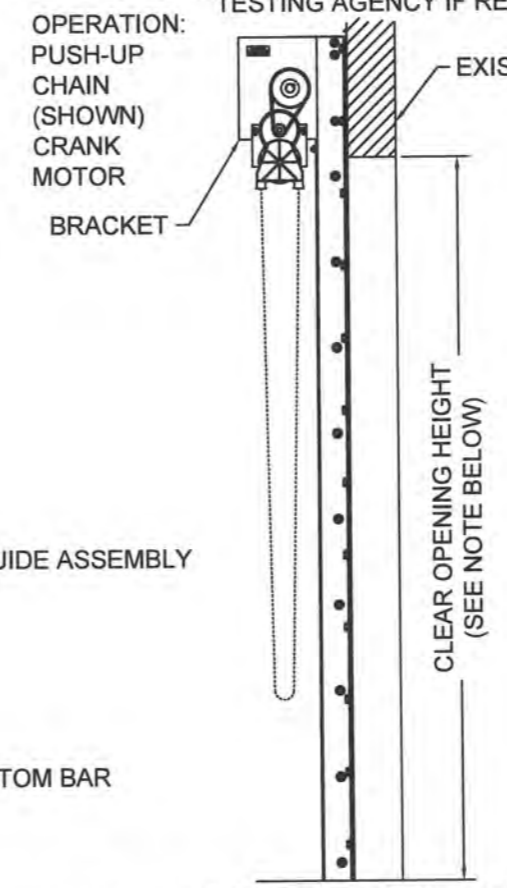


L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

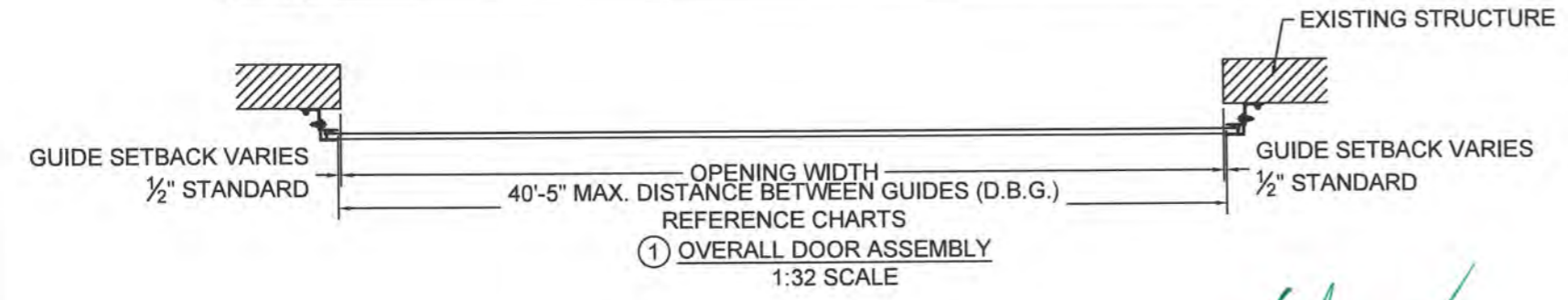


ROLL-UP MECHANISM NOT INCLUDED IN THIS APPROVAL. MUST BE CERTIFIED BY AN INDEPENDENT TESTING AGENCY IF REQUIRED.



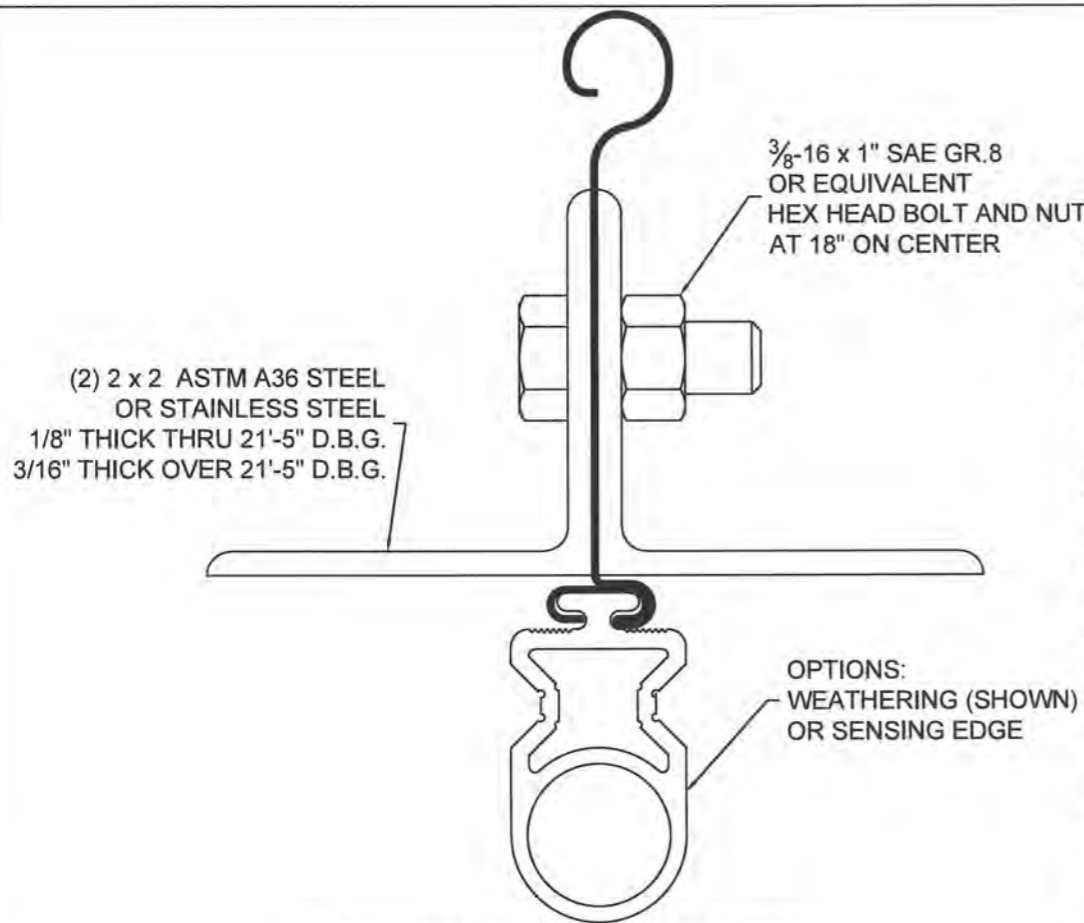
② SLAT DETAIL & OPTIONAL PERFORATION PATTERN
 TYPICAL SECTION
 ASTM A653 HSLAS TYPE B GRADE 40 G40 OR
 ASTM A653 HSLAS TYPE A GRADE 40 G40 OR
 ASTM A653 STRUCTURAL STEEL GRADE 40 G40
 OR TYPE 304 STAINLESS STEEL (MIN. YIELD 40,000 psi)
 OR TYPE 316 STAINLESS STEEL (MIN. YIELD 40,000 psi)
 OR TYPE 430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

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.

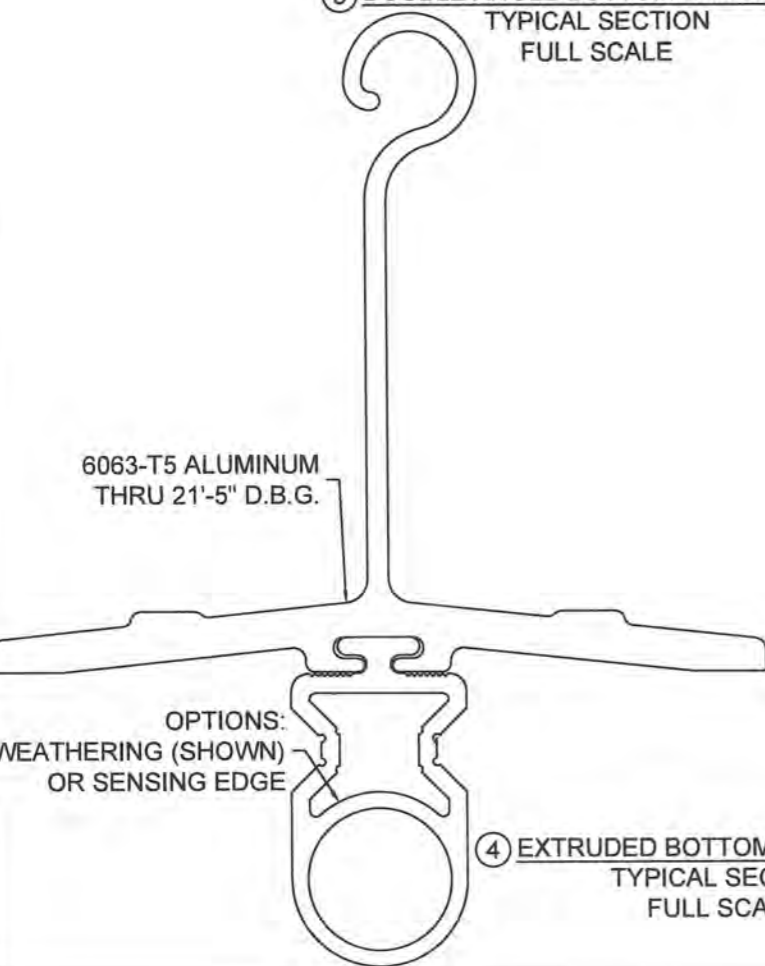


	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ	Unless otherwise specified, dimensions are in inches & tolerances are: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG	
	P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM		
TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED	DRAWN BY: TJE DWG NO: ES-16-62-TCCI	SIZE: B SCALE: AS NOTED	SHEET: 1/53

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
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③ DOUBLE ANGLE BOTTOM BAR DETAIL
TYPICAL SECTION
FULL SCALE



④ EXTRUDED BOTTOM BAR DETAIL
TYPICAL SECTION
FULL SCALE

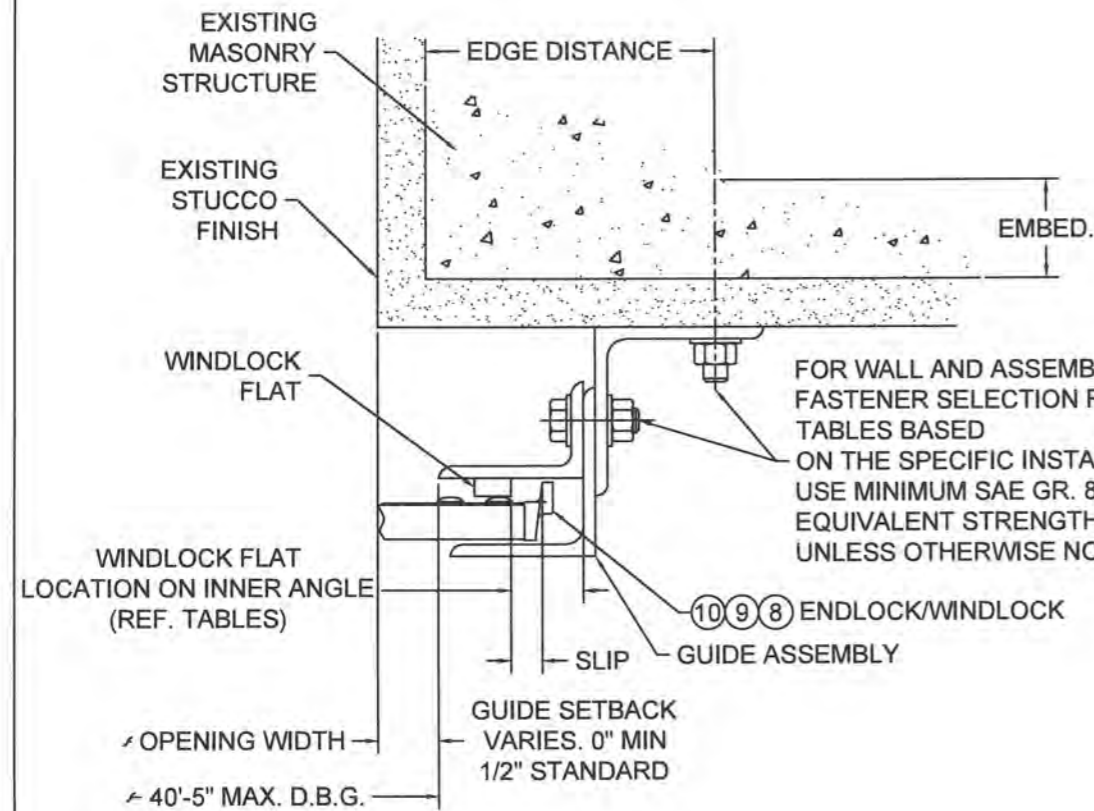
GENERAL NOTES:

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 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.



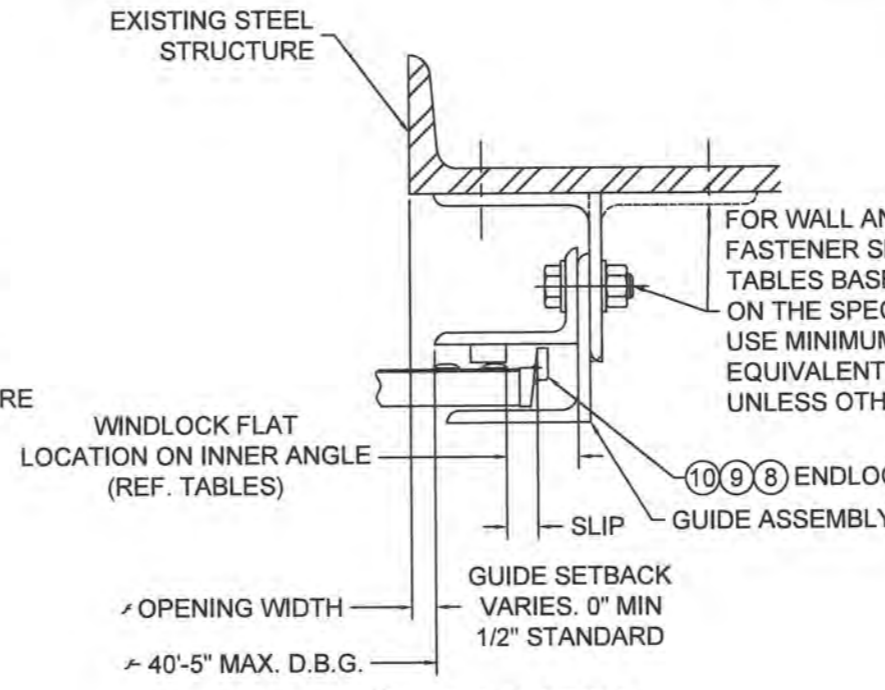
	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ	Unless otherwise specified, dimensions are in inches & tolerances are: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG
	P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM	
TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED		DRAWN BY: TJE SIZE: B SCALE: AS NOTED SHEET: 2/53
		DWG NO: ES-16-62-TCCI

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

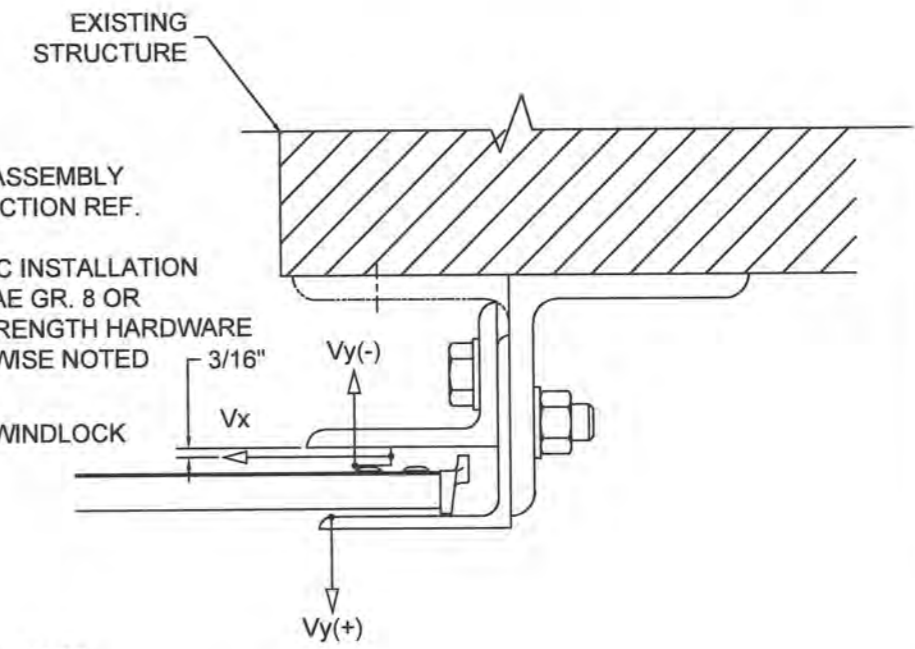


NOTE:
THROUGH BOLTING TO FILLED BLOCK REQUIRES THE USE OF 1/4"
THICK STEEL OR STAINLESS STEEL CRUSH PLATE

⑤ GUIDE ASSEMBLY
CONCRETE OR FILLED BLOCK
STRUCTURE
(Z-GUIDE)



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



NOTE:

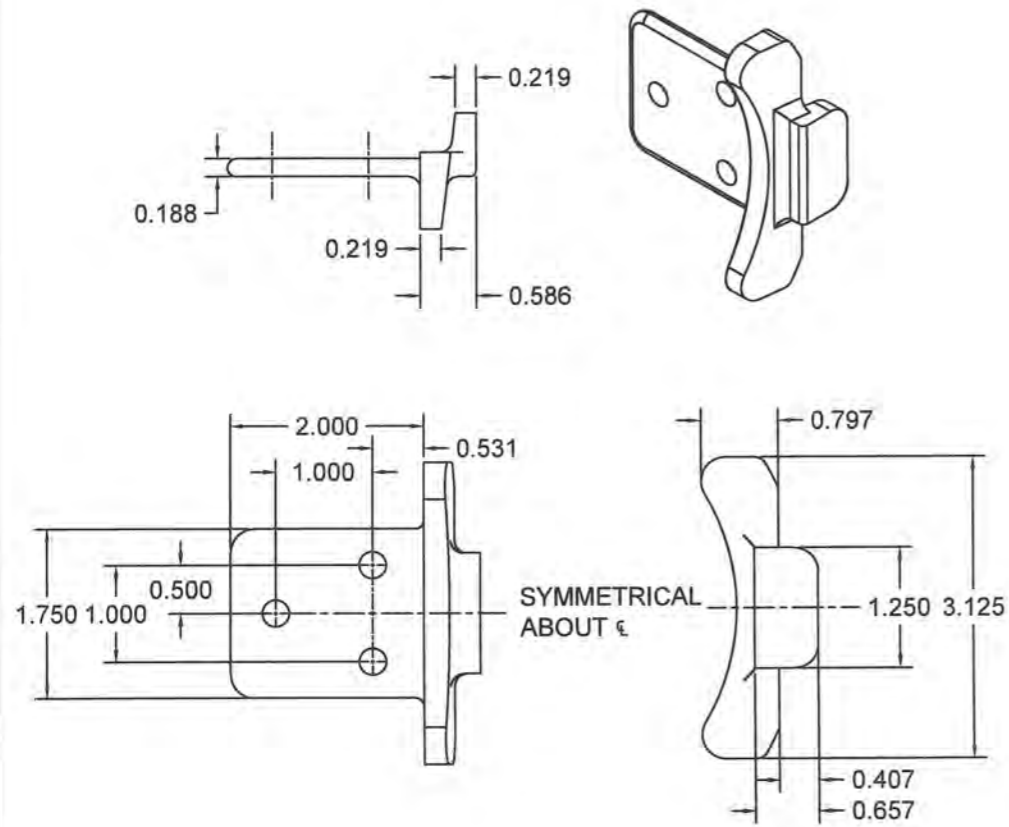
1. V_x & V_y ARE HORIZ. AND VERT. COMPONENTS OF THE REACTION, RESPECTIVELY, RESULTING FROM WIND LOADS ON THE ROLL-UP DOOR. THE EXISTING STRUCTURE SHALL BE CAPABLE OF RESISTING V_x & V_y FORCES SHOWN AND THE CORRESPONDING REACTIONS DUE TO THE ECCENTRICITIES OF THE FORCES.

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

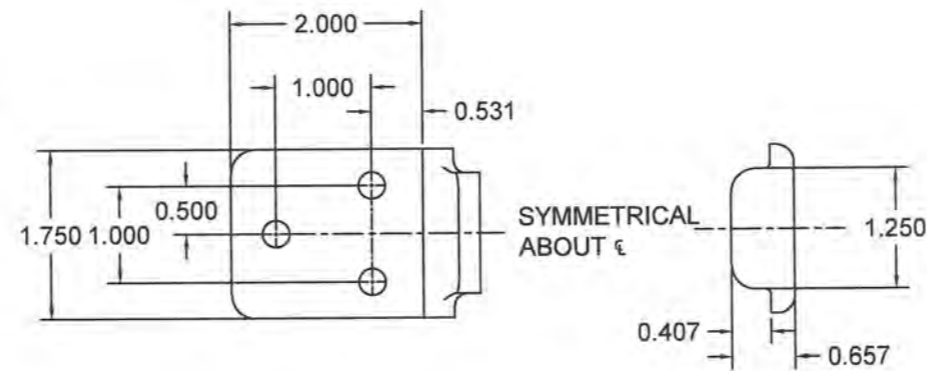
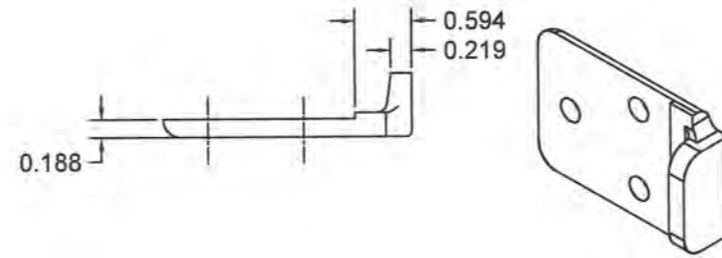


	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ	Unless otherwise specified, dimensions are in inches & tolerances are: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG		
	P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM			
TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED	DRAWN BY: TJE	SIZE: B	SCALE: AS NOTED	SHEET: 3/53
	DWG NO: ES-16-62-TCCI			

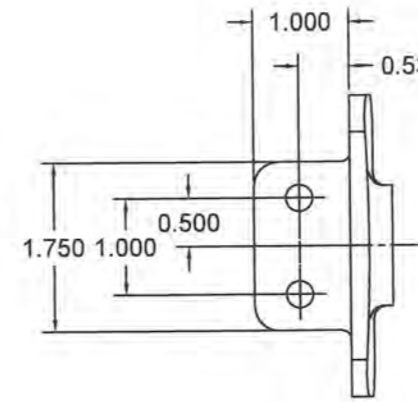
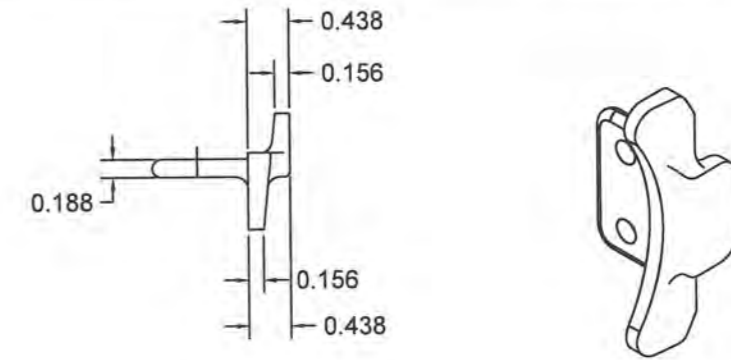
L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027



⑧ ENDLOCK / WINDLOCK DETAIL, CP1152
 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 WINDLOCK DETAIL, CP1153
 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

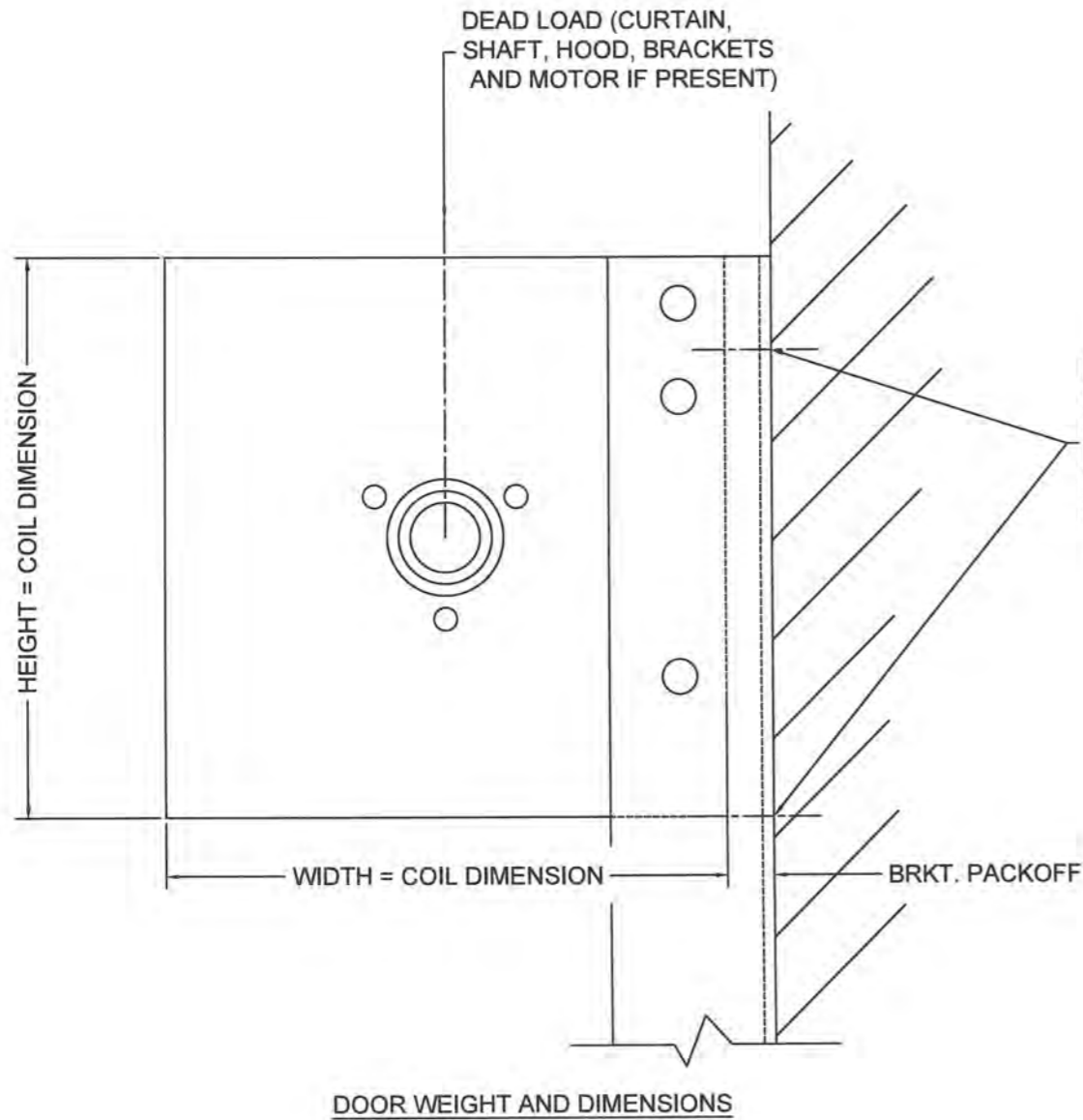


⑩ ENDLOCK / WINDLOCK DETAIL, CP1151
 CAST MALLEABLE IRON ASTM A47, GRADE 32510, OR
 DUCTILE IRON PER ASTM A536 GRADE 65-45-12, GALVANIZED IN ACCORDANCE WITH
 ASTM A123, GRADE 85 ZINC-COATING
 1/2 SCALE

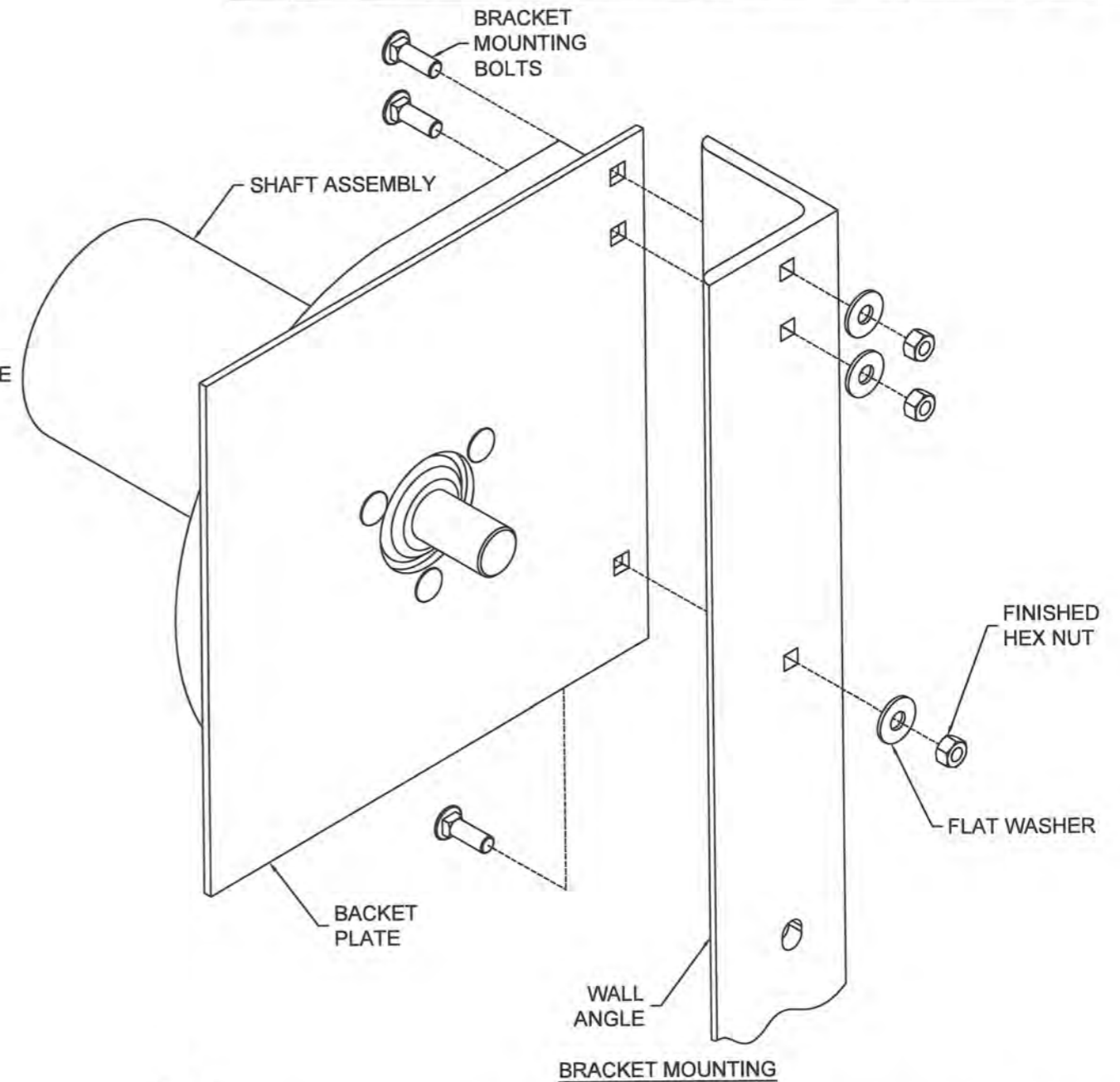


	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ		Unless otherwise specified, dimensions are in inches & tolerances are: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG	
	P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM		TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED	DRAWN BY: TJE SIZE: B SCALE: AS NOTED SHEET: 4/53
DWG NO: ES-16-62-TCCI				

L'TR	REVISION	DATE	BY	E.C.O.
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A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027



FOR "WALL ANGLE" TO WALL CONNECTION, REF. TABLES 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".

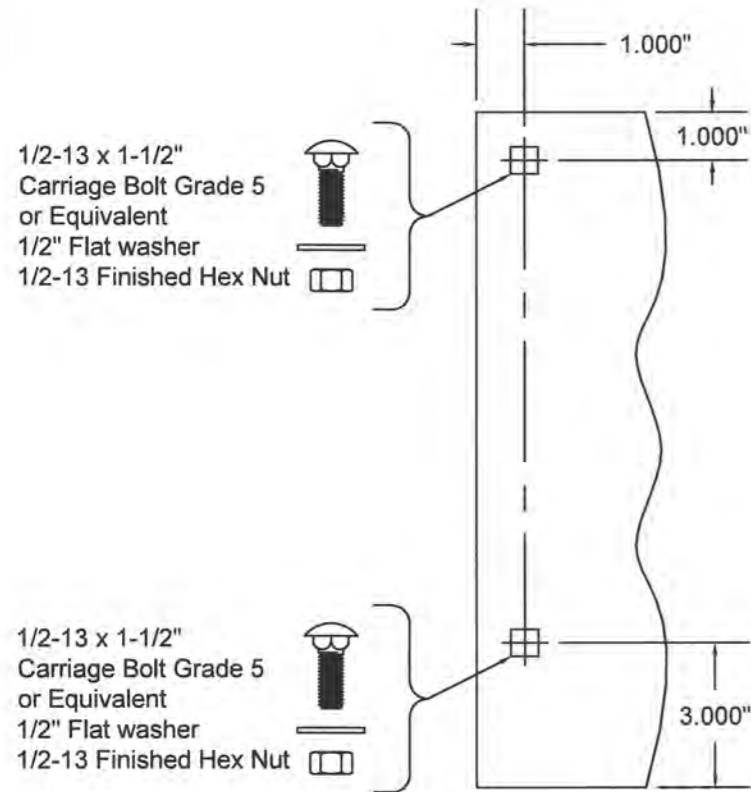
NOTE:

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

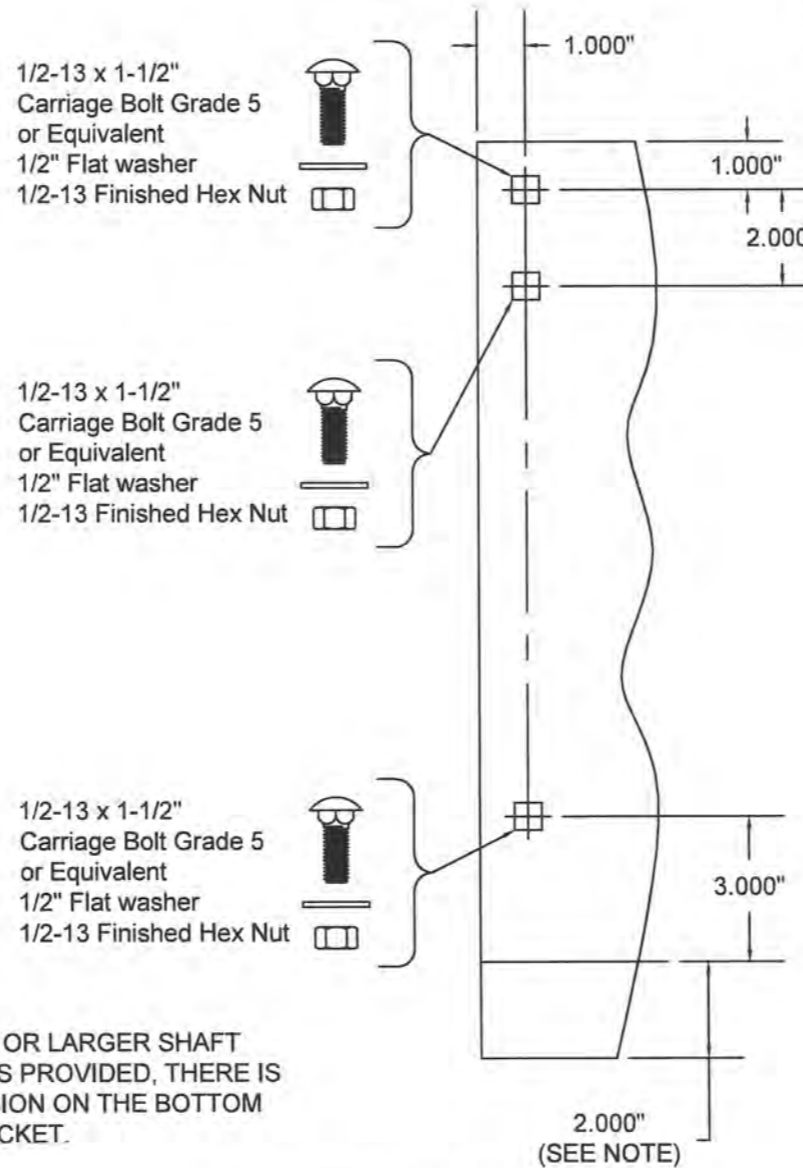


	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ	Unless otherwise specified, dimensions are in inches & tolerances are: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG		
	P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM			
TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED	DRAWN BY: TJE	SIZE: B	SCALE: AS NOTED	SHEET: 5/53
DWG NO: ES-16-62-TCCI				

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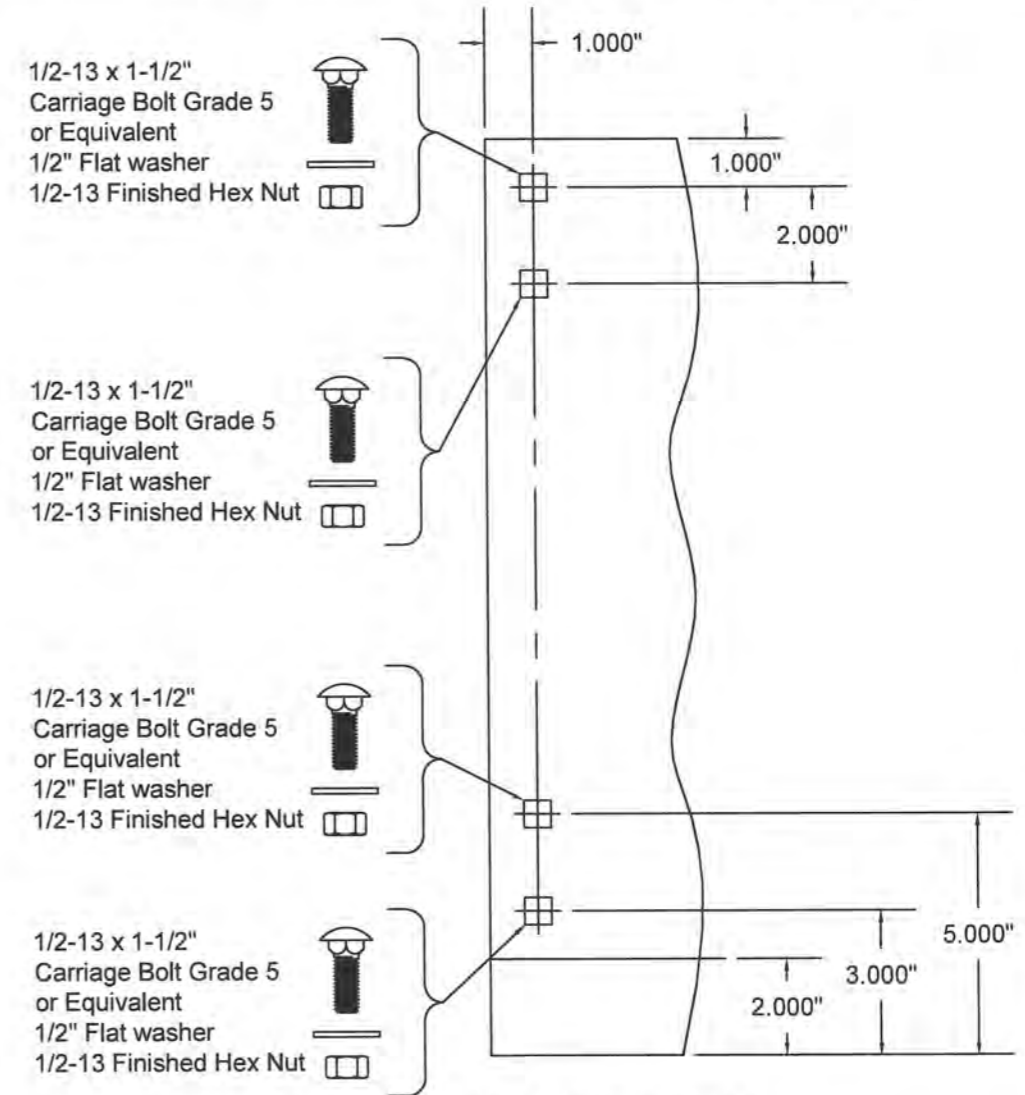


THRU 6"Ø SHAFT ASSEMBLY
 14" THRU 16" COIL DIMENSION
 MIN. THICKNESS 0.172" ASTM A36 STEEL
 OR ASTM A480 STAINLESS STEEL,
 TYPES 304 OR 316, MIN. 36 KSI YIELD STRENGTH
 SCALE: 1-1/2" = 1'-0"



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 STEEL
 OR ASTM A480 STAINLESS STEEL,
 TYPES 304 OR 316, MIN. 36 KSI YIELD STRENGTH
 SCALE: 1-1/2" = 1'-0"

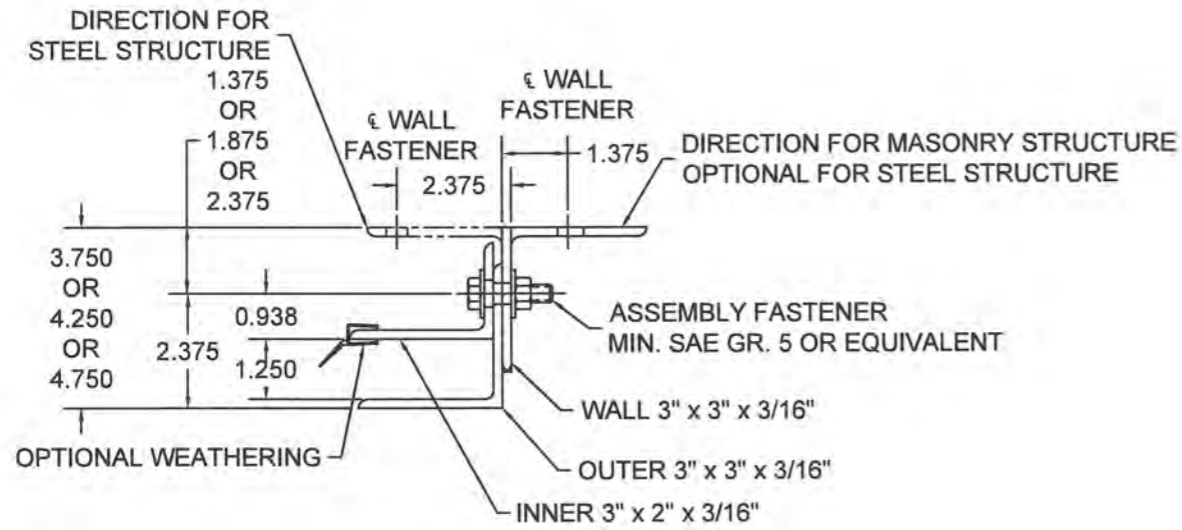


12"Ø SHAFT ASSEMBLY
 17" AND LARGER COIL DIMENSION
 MIN. THICKNESS 0.240" ASTM A36 STEEL
 OR ASTM A480 STAINLESS STEEL,
 TYPES 304 OR 316, MIN. 36 KSI YIELD STRENGTH
 SCALE: 1-1/2" = 1'-0"

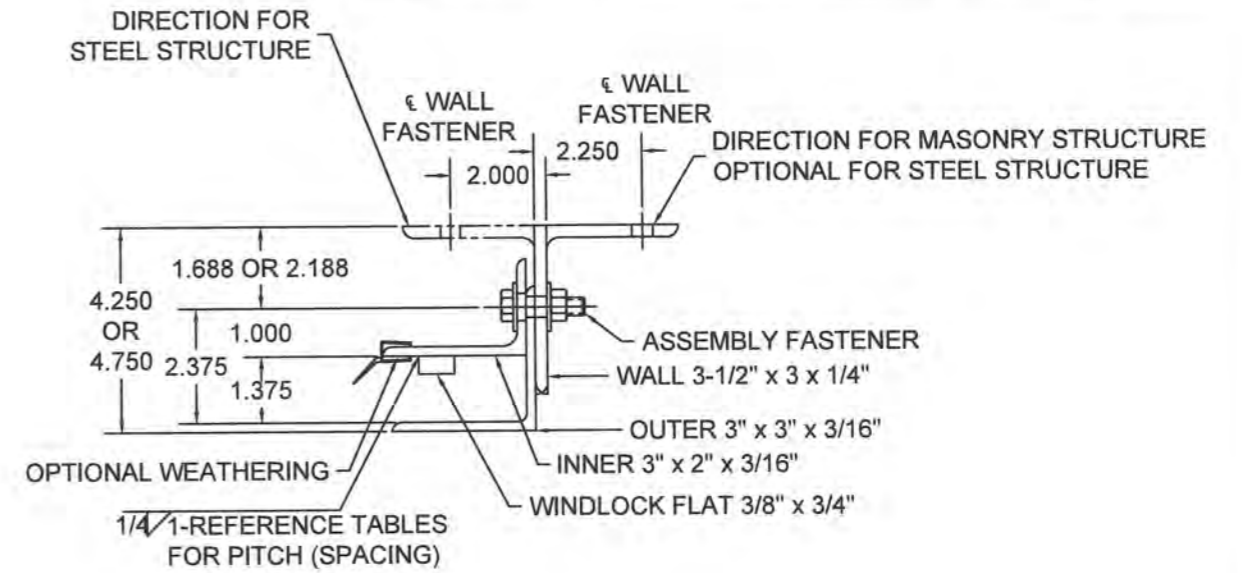


	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ		Unless otherwise specified, dimensions are in inches & tolerances are: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG			
	P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM		DRAWN BY:	SIZE:	SCALE:	SHEET:
TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED			TJE	B	AS NOTED	6/53
DWG NO: ES-16-62-TCCI						

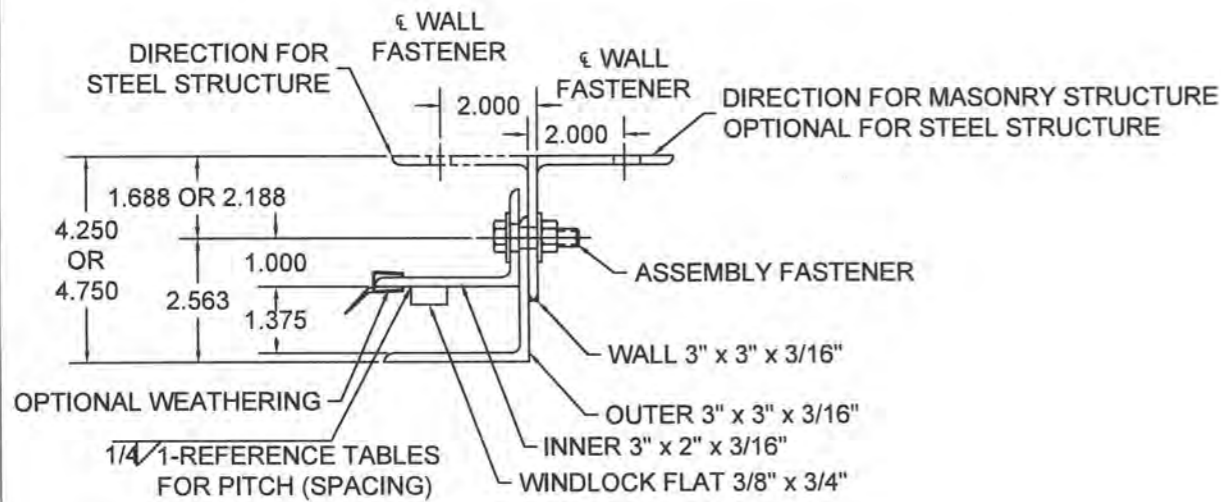
L/TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	09/30/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027



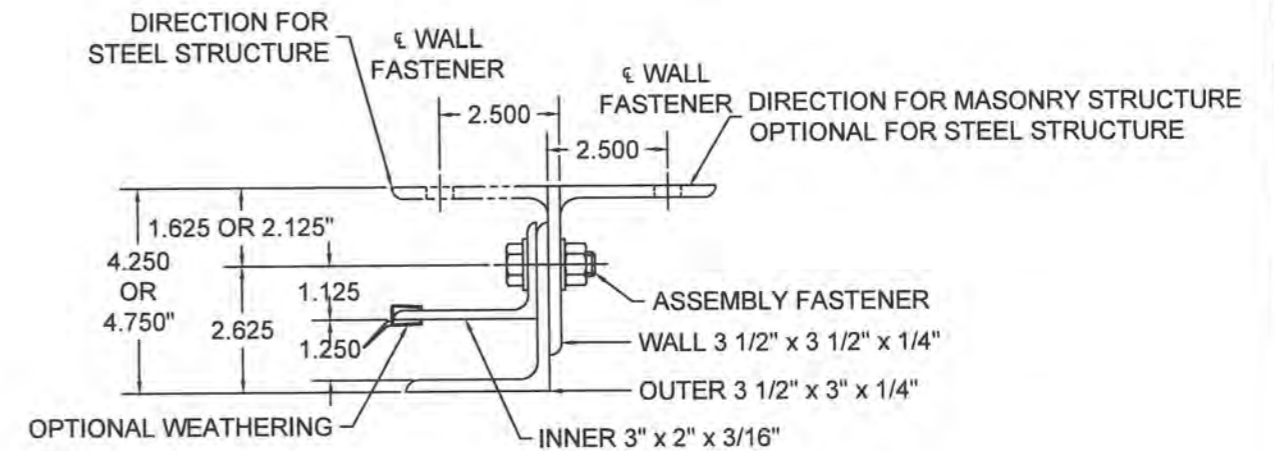
GUIDE ASSEMBLY TYPE 333* (NON-WINDLOCK)
SCALE: 3" = 1'-0"



GUIDE ASSEMBLY TYPE 334
SCALE: 3" = 1'-0"



GUIDE ASSEMBLY TYPE 333
SCALE: 3" = 1'-0"

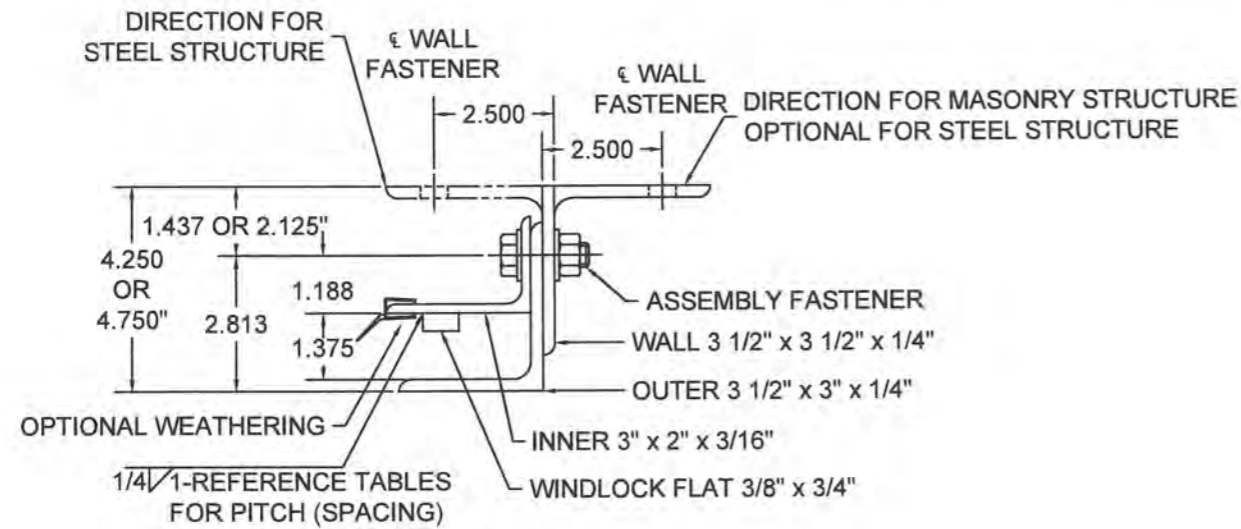


GUIDE ASSEMBLY TYPE 344* (NON-WINDLOCK)
SCALE: 3" = 1'-0"

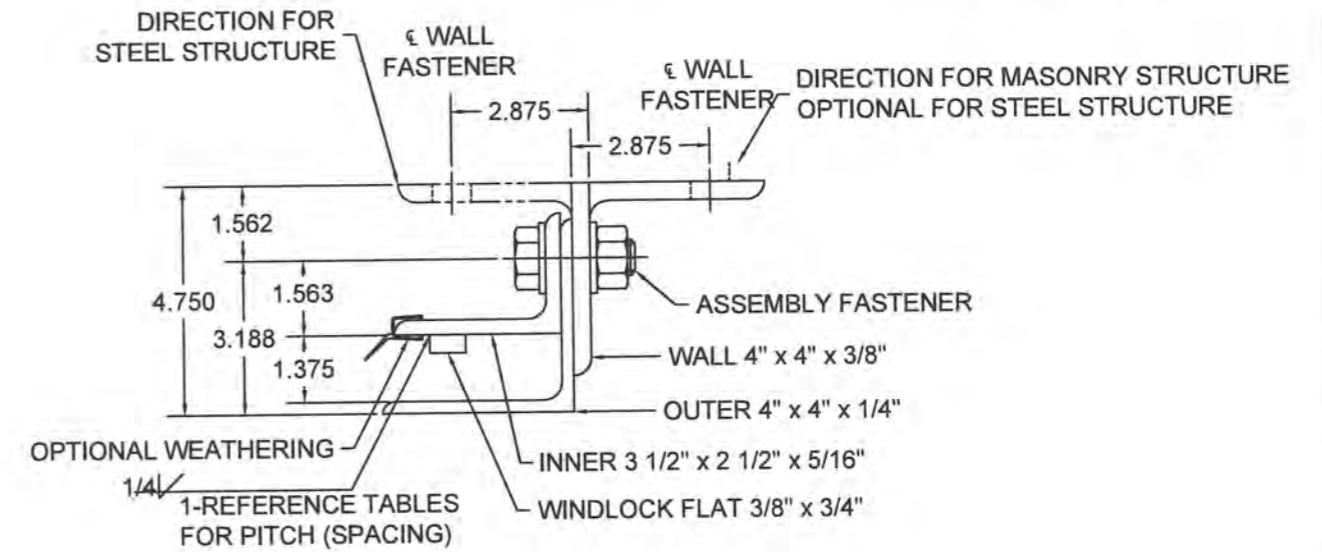


	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ	Unless otherwise specified, dimensions are in inches & tolerances are: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG	
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TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED	DRAWN BY: TJE DWG NO: ES-16-62-TCCI	SIZE: B SCALE: AS NOTED	SHEET: 7/53

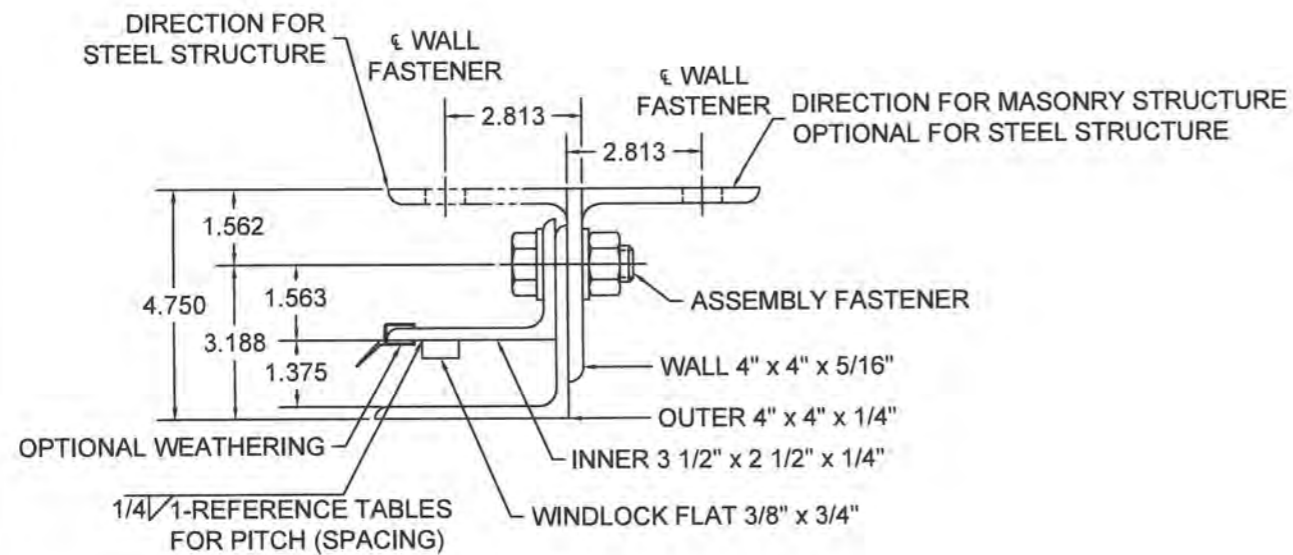
L/TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
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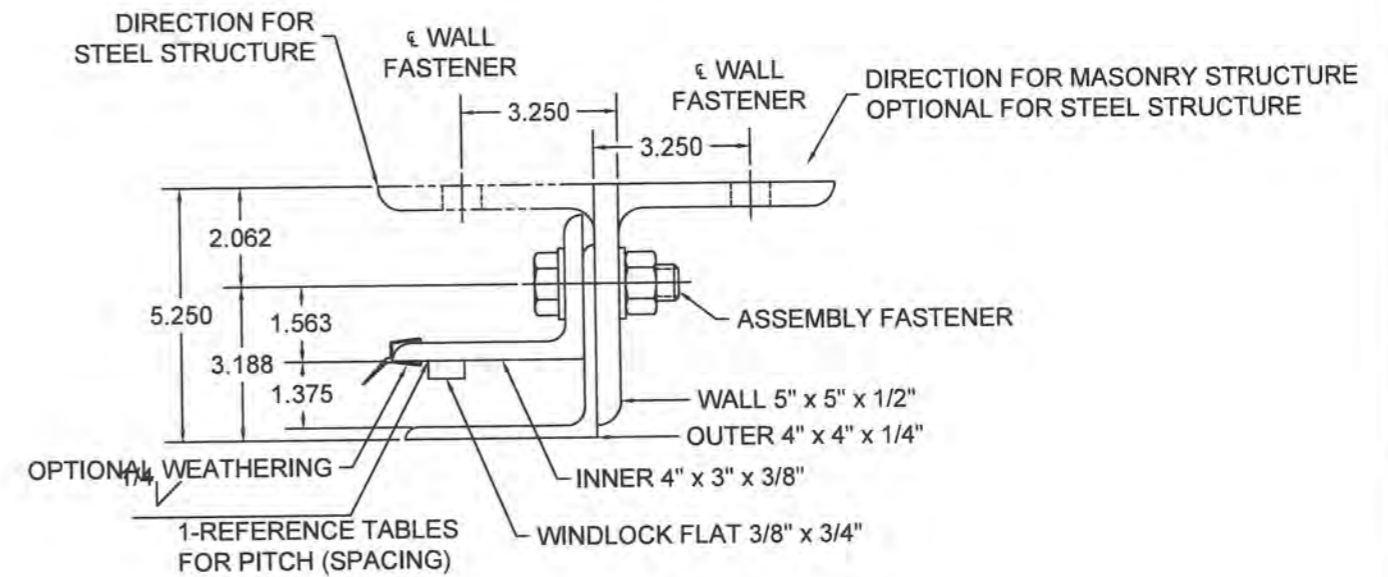
GUIDE ASSEMBLY TYPE 344
SCALE: 3" = 1'-0"



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



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

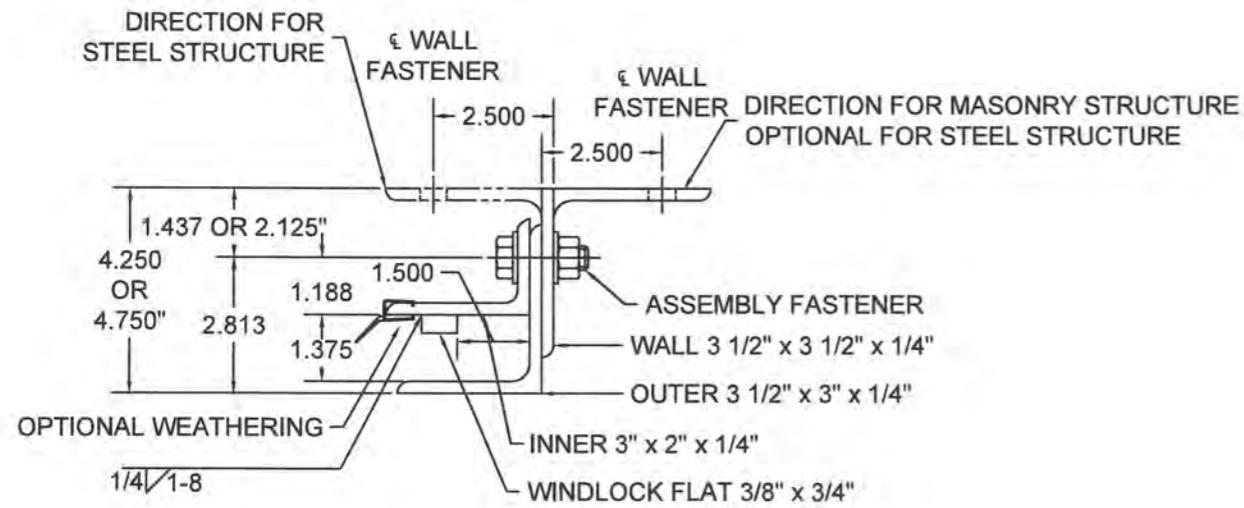


GUIDE ASSEMBLY TYPE 648
SCALE: 3" = 1'-0"

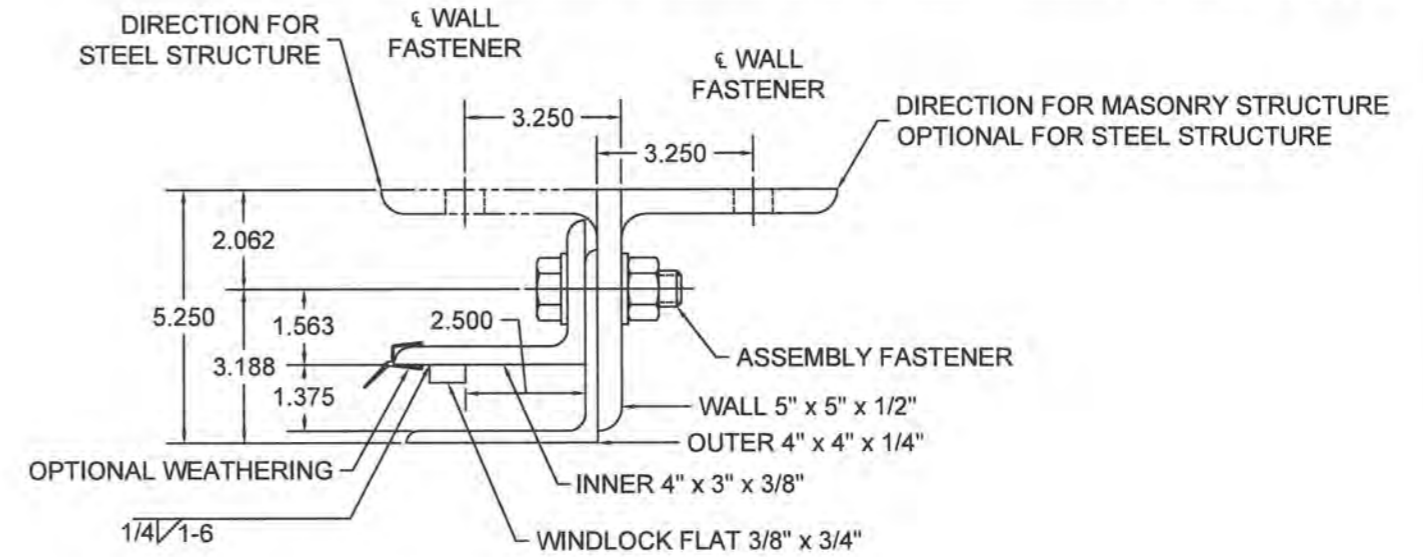


	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ		Unless otherwise specified, dimensions are in inches & tolerances are: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG	
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TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED			TJE B AS NOTED	8/53
DWG NO: ES-16-62-TCCI				

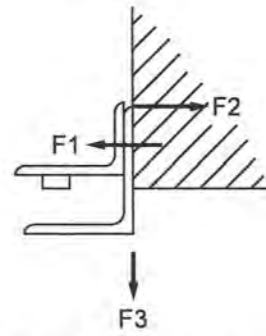
L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
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GUIDE ASSEMBLY TYPE DC 1
SCALE: 3" = 1'-0"



GUIDE ASSEMBLY TYPE DC 2 & DC 3
SCALE: 3" = 1'-0"

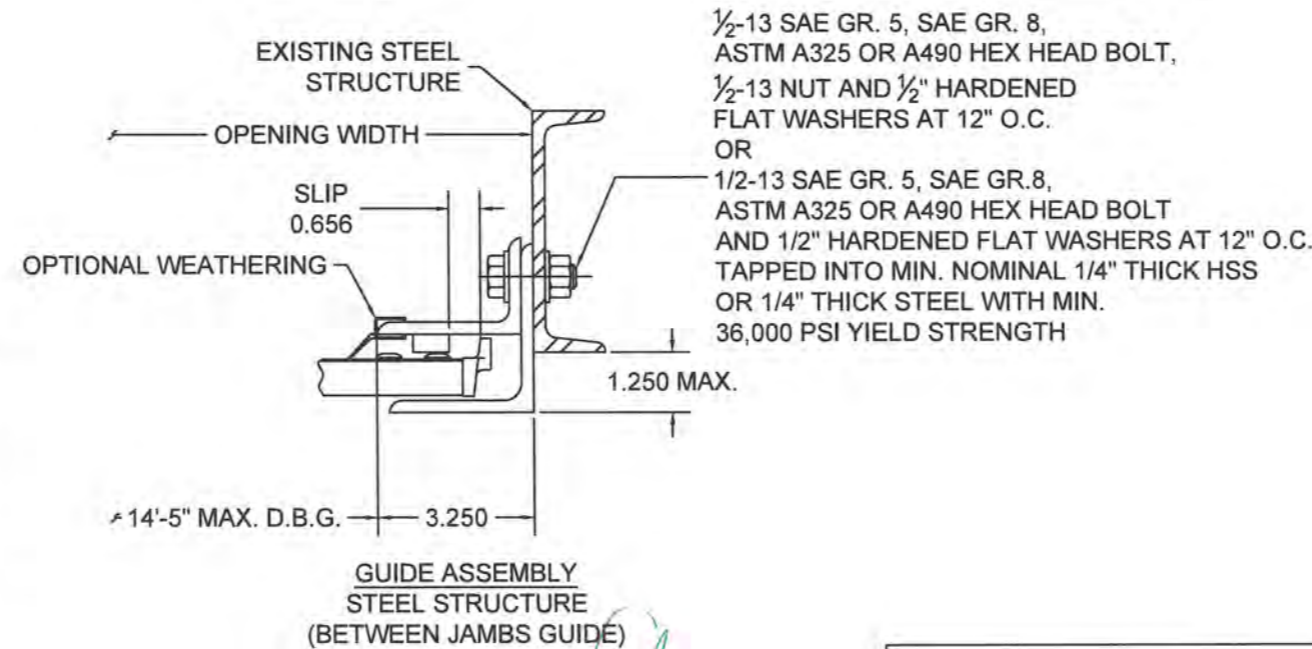


BETWEEN JAMBS GUIDE

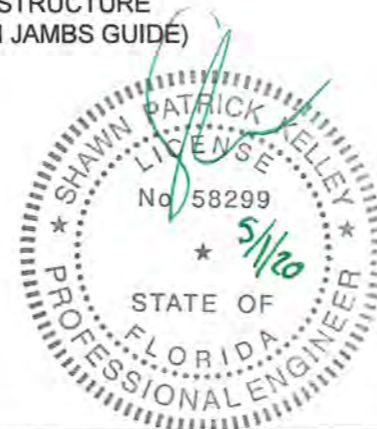
UNREDUCED WIND FORCES ON BUILDING STRUCTURE (LBS / FOOT OF HEIGHT)

BETWEEN JAMBS GUIDE (14'-5" MAX. D.B.G.)					
POSITIVE			NEGATIVE		
F1	F2	F3	F1	F2	F3
3745	1832	478	8004	6091	478

BUILDING DESIGNER NOTE:
STRUCTURE MUST BE DESIGNED TO SUPPORT F1, F2, AND F3 FORCES (LBS./FT. OF OPENING HEIGHT) AT EACH JAMB.

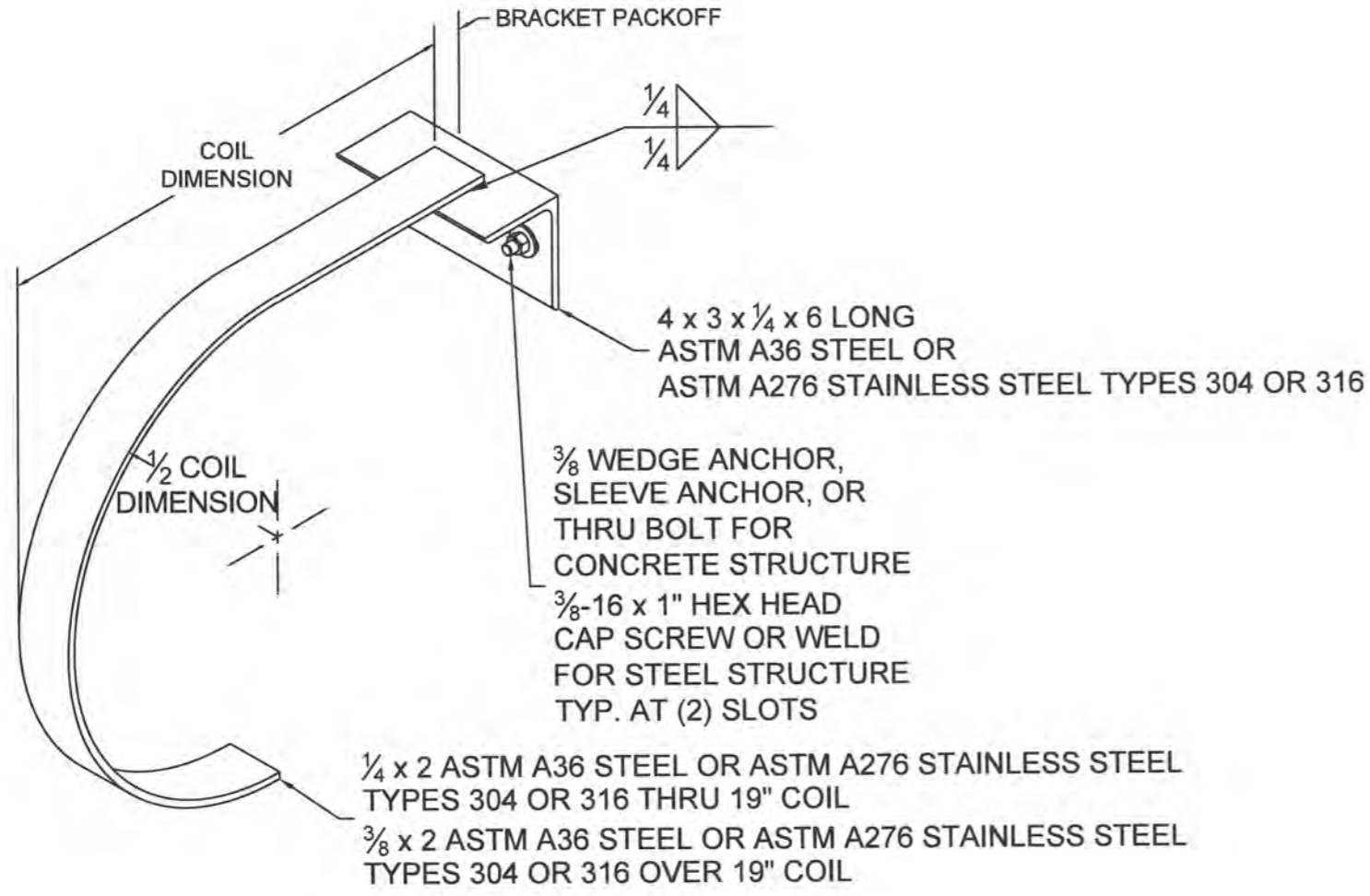


GUIDE ASSEMBLY
STEEL STRUCTURE
(BETWEEN JAMBS GUIDE)

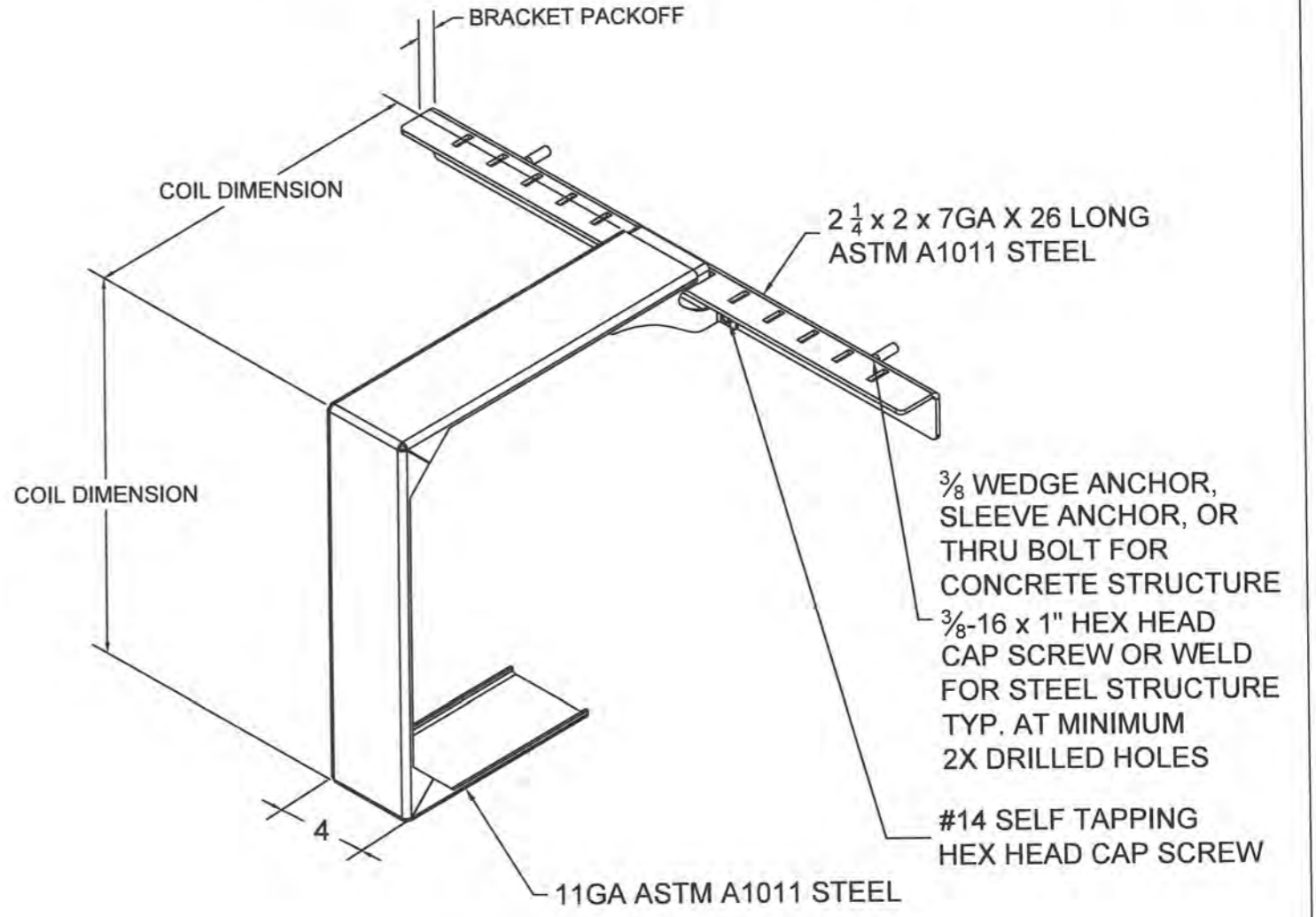


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L'TR	REVISION	DATE	BY	E.C.O.
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A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027



MID-HOOD SUPPORT
(WHEN REQUIRED)
"D" SHAPE DEPICTED, SQUARE STYLE ALSO AVAILABLE
SCALE: NTS



MID-HOOD SUPPORT
(WHEN REQUIRED)
SQUARE STYLE DEPICTED, "D" SHAPE ALSO AVAILABLE
SCALE: NTS



	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ	Unless otherwise specified, dimensions are in inches & tolerances are: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG
	P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM	
TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED	DRAWN BY: TJE SIZE: B SCALE: AS NOTED SHEET: 10/53	DWG NO: ES-16-62-TCCI

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0220 Minimum Thickness Galvanized or Stainless Steel - 20 PSF																							
Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																							
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Tru-Bolt				Powers Wedge-Bolt			
								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
7'-5"	N/A	N/A	N/A	333*	N/A	3/8	24	36	2 3/8	4	4 9/16	36	2 5/8	3 15/16	4 9/16	36	3	4 1/2	4 9/16	36	2	3	4 9/16
7'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	28	2 5/8	3 15/16	5 3/4	28	3	4 1/2	5 3/4	22	2	3	5 3/4
12'-5"	1 5/16	0.532	CP1151	333	12	3/8	18	36	2 3/8	4	5 3/16	15	2 5/8	3 15/16	5 3/16	16	3	4 1/2	5 3/16	10	2	3	5 3/16
12'-5"	1 5/16	0.532	CP1151	344	12	1/2	18	36	2 1/4	4	5 3/4	36	4 1/2	6 3/4	5 3/4	30	4 1/8	6 3/16	5 3/4	16	2 1/2	3 3/4	5 3/4
13'-5"	1 7/16	0.657	CP1151	333	12	3/8	18	36	2 3/8	4	5 3/16	14	2 5/8	3 15/16	5 3/16	14	3	4 1/2	5 3/16	8	2	3	5 3/16
13'-5"	1 7/16	0.657	CP1151	344	12	1/2	18	36	2 1/4	4	5 3/4	33	4 1/2	6 3/4	5 3/4	26	4 1/8	6 3/16	5 3/4	14	2 1/2	3 3/4	5 3/4
14'-5"	1 1/2	0.719	CP1151	333	12	3/8	18	12	2 3/8	4	5 3/16	11	2 5/8	3 15/16	5 3/16	12	3	4 1/2	5 3/16	7	2	3	5 3/16
14'-5"	1 1/2	0.719	CP1151	344	12	1/2	18	22	2 1/4	4	5 3/4	28	4 1/2	6 3/4	5 3/4	22	4 1/8	6 3/16	5 3/4	12	2 1/2	3 3/4	5 3/4
15'-5"	1 1/2	0.719	CP1151	333	12	3/8	18	N/A				10	2 5/8	3 15/16	5 3/16	10	3	4 1/2	5 3/16	6	2	3	5 3/16
15'-5"	1 1/2	0.719	CP1151	344	12	1/2	18	36	3 5/8	6	5 3/4	23	4 1/2	6 3/4	5 3/4	19	4 1/8	6 3/16	5 3/4	10	2 1/2	3 3/4	5 3/4
16'-5"	1 1/2	0.719	CP1151	334	12	3/8	16	N/A				9	2 5/8	3 15/16	5 7/16	9	3	4 1/2	5 7/16	5	2	3	5 7/16
16'-5"	1 1/2	0.719	CP1151	344	12	1/2	18	36	3 5/8	6	5 3/4	20	4 1/2	6 3/4	5 3/4	16	4 1/8	6 3/16	5 3/4	9	2 1/2	3 3/4	5 3/4
17'-5"	1 1/2	0.719	CP1151	334	12	3/8	14	N/A				8	2 5/8	3 15/16	5 7/16	8	3	4 1/2	5 7/16	5	2	3	5 7/16
17'-5"	1 1/2	0.719	CP1151	344	12	1/2	18	36	3 5/8	6	5 3/4	17	4 1/2	6 3/4	5 3/4	14	4 1/8	6 3/16	5 3/4	8	2 1/2	3 3/4	5 3/4
18'-5"	1 1/2	0.719	CP1151	334	11	3/8	13	N/A				7	2 5/8	3 15/16	5 7/16	7	3	4 1/2	5 7/16	4	2	3	5 7/16
18'-5"	1 1/2	0.719	CP1151	344	11	1/2	18	36	3 5/8	6	5 3/4	16	4 1/2	6 3/4	5 3/4	13	4 1/8	6 3/16	5 3/4	7	2 1/2	3 3/4	5 3/4
19'-5"	1 1/2	0.656	CP1152	334	10	3/8	11	N/A				6	2 5/8	3 15/16	5 7/16	6	3	4 1/2	5 7/16	4	2 1/2	3 3/4	5 7/16
19'-5"	1 1/2	0.656	CP1152	344	10	1/2	18	28	3 5/8	6	5 3/4	13	4 1/2	6 3/4	5 3/4	11	4 1/8	6 3/16	5 3/4	6	2 1/2	3 3/4	5 3/4
20'-5"	1 1/2	0.656	CP1152	334	10	3/8	10	N/A				5	2 5/8	3 15/16	5 7/16	N/A				4	2 1/2	3 3/4	5 7/16
20'-5"	1 1/2	0.656	CP1152	344	10	1/2	18	36	3 5/8	8	5 3/4	12	4 1/2	6 3/4	5 3/4	10	4 1/8	6 3/16	5 3/4	8	3 1/2	5 1/4	5 3/4
21'-5"	1 1/2	0.656	CP1152	334	9	3/8	9	N/A				5	2 5/8	3 15/16	5 7/16	N/A				6	3 1/2	5 1/4	5 7/16
21'-5"	1 1/2	0.656	CP1152	344	9	1/2	18	28	3 5/8	8	5 3/4	11	4 1/2	6 3/4	5 3/4	9	4 1/8	6 3/16	5 3/4	7	3 1/2	5 1/4	5 3/4
22'-5"	2	1.156	CP1152	444	10	5/8	18	36	4 3/8	6	6 1/4	17	4 1/2	6 3/4	6 1/4	15	5 1/8	7 11/16	6 1/4	11	4	6	6 1/4
23'-5"	2	1.156	CP1152	444	10	5/8	18	36	4 3/8	6	6 1/4	16	4 1/2	6 3/4	6 1/4	14	5 1/8	7 11/16	6 1/4	10	4	6	6 1/4
24'-5"	2	1.156	CP1152	444	10	5/8	18	22	4 3/8	6	6 1/4	15	4 1/2	6 3/4	6 1/4	13	5 1/8	7 11/16	6 1/4	9	4	6	6 1/4
25'-5"	2	1.156	CP1152	445	9	5/8	18	36	4 3/8	6	7 5/16	16	4 1/2	6 3/4	7 5/16	15	7 1/2	11 1/4	7 5/16	11	4	6	7 5/16
26'-5"	2	1.156	CP1152	445	9	5/8	18	28	4 3/8	6	6 13/16	15	4 1/2	6 3/4	6 13/16	14	7 1/2	11 1/4	6 13/16	10	4	6	6 13/16
27'-5"	2	1.156	CP1152	445	9	5/8	18	36	4 3/8	8	6 13/16	14	4 1/2	6 3/4	6 13/16	13	7 1/2	11 1/4	6 13/16	9	4	6	6 13/16
28'-5"	2	1.156	CP1152	445	8	5/8	18	36	4 3/8	8	6 13/16	13	4 1/2	6 3/4	6 13/16	12	7 1/2	11 1/4	6 13/16	8	4	6	6 13/16
29'-5"	2	1.156	CP1152	445	8	5/8	18	28	4 3/8	8	6 13/16	13	4 1/2	6 3/4	6 13/16	11	7 1/2	11 1/4	6 13/16	8	4	6	6 13/16
30'-5"	2	1.156	CP1152 & CP1153	445	8	5/8	18	22	4 3/8	8	6 13/16	12	4 1/2	6 3/4	6 13/16	11	7 1/2	11 1/4	6 13/16	8	4	6	6 13/16
31'-5"	2	1.156	CP1152 & CP1153	445	8	5/8	18	N/A				11	4 1/2	6 3/4	6 13/16	N/A				7	4	6	6 13/16
32'-5"	2	1.156	CP1152 & CP1153	445	8	5/8	18	N/A				11	4 1/2	6 3/4	6 13/16	N/A				9	5	7 1/2	6 13/16
33'-5"	2	1.156	CP1152 & CP1153	445	7	5/8	18	N/A				10	4 1/2	6 3/4	6 13/16	N/A				9	5	7 1/2	6 13/16
34'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				10	4 1/2	6 3/4	6 7/8	N/A				9	5	7 1/2	6 7/8
35'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				10	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8
36'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				9	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8
37'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				9	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8
38'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	17	N/A				8	4 1/2	6 3/4	6 7/8	N/A				7	5	7 1/2	6 7/8
39'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	17	N/A				8	4 1/2	6 3/4	6 7/8	N/A				N/A			
40'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	16	N/A				8	4 1/2	6 3/4	6 7/8	N/A				N/A			



	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ		Unless otherwise specified, dimensions are in inches & tolerances are:		
	P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM		0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG		
TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED		DRAWN BY: TJE	SIZE: B	SCALE: AS NOTED	SHEET: 11/53
		DWG NO: ES-16-62-TCCI			

L/TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/15/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

DBG Up To	Filled CMU												Cracked Concrete Minimum 3,000 PSI Compressive Strength												Steel (Wall anchors are the same diameter as assembly fasteners)						Superimposed Loads				
	Hilti Kwik Bolt 3				Simpson Strong-Bolt 2				Through Bolt				Hilti Kwik Bolt TZ				Simpson Strong-Bolt 2				ITW Redhead Trubolt+				Welded		Through Bolt		Tapped		Vx (+)	Vy (+)	Vx (-)	Vy (-)	
	Max O.C.	Dia.	Embed	Edge Dist	Max O.C.	Dia.	Embed	Edge Dist	Max. O.C.	Dia.	Edge Distance	Max O.C.	Dia.	Embed.	Min Wall Thick.	Edge Dist	Max O.C.	Dia.	Embed.	Min Wall Thick.	Edge Dist	Max O.C.	Dia.	Embed.	Min Wall Thick.	Edge Dist	Max O.C.	Slot Size	Max O.C.	Max O.C.					Min. Thickness
7'-5"	11	3/8	1 5/8	4 9/16	19	3/8	2 5/8	4 9/16	36	3/8	4 9/16	36	3/8	2 5/16	4	4 9/16	36	3/8	1 7/8	3 1/4	4 9/16	36	3/8	2	4	4 9/16	36	7/16 x 5/8	36	36	3/16	0	75	0	75
7'-5"	16	3/8	2 1/2	5 3/4	11	3/8	2 5/8	5 3/4	28	3/8	5 3/4	36	3/8	2 5/16	4	5 3/4	36	3/8	1 7/8	3 1/4	5 3/4	36	3/8	2	5	5 3/4	36	7/16 x 5/8	36	36	3/16	0	75	0	75
12'-5"	9	3/8	2 1/2	5 3/16	8	1/2	3 1/2	5 3/16	15	3/8	5 3/16	36	1/2	3 5/8	6	5 3/16	36	3/8	2 7/8	4 1/2	5 3/16	28 1/2	1/2	2 1/2	4	5 3/4	36	9/16 x 3/4	36	36	1/4	343	125	331	125
12'-5"	9	1/2	2 1/4	5 3/4	9	1/2	3 1/2	5 3/4	36	1/2	5 3/4	36	1/2	3 5/8	6	5 3/4	36	1/2	2 3/4	4 1/2	5 3/4	36	1/2	2 1/2	4	5 3/4	36	9/16 x 3/4	36	36	1/4	343	125	331	125
13'-5"	8	3/8	2 1/2	5 3/16	12	3/4	5 1/4	5 3/16	14	3/8	5 3/16	36	1/2	3 5/8	6	5 3/16	36	3/8	2 7/8	4 1/2	5 3/16	22 3/4	1/2	3 3/4	6	5 3/16	36	7/16 x 5/8	36	23	3/16	385	135	377	135
13'-5"	8	1/2	2 1/4	5 3/4	8	1/2	3 1/2	5 3/4	33	1/2	5 3/4	36	1/2	3 5/8	6	5 3/4	36	1/2	2 3/4	4 1/2	5 3/4	36	1/2	2 1/2	4	5 3/4	36	9/16 x 3/4	36	35	1/4	386	135	377	135
14'-5"	8	1/2	3 1/2	5 3/16	10	3/4	5 1/4	5 3/16	11	3/8	5 3/16	19	1/2	3 5/8	6	5 3/16	36	1/2	3 7/8	6	5 3/16	28 1/2	1/2	3 3/4	8	5 3/16	30	7/16 x 5/8	30	20	3/16	454	145	447	145
14'-5"	10	1/2	3 1/2	5 3/4	12	3/4	5 1/4	5 3/4	28	1/2	5 3/4	36	1/2	3 5/8	6	5 3/4	36	1/2	2 3/4	4 1/2	5 3/4	28 1/2	1/2	3 3/4	6	5 3/4	36	9/16 x 3/4	36	30	1/4	455	145	447	145
15'-5"	11	3/4	4 3/8	5 3/16	8	3/4	5 1/4	5 3/16	10	3/8	5 3/16	22 3/4	1/2	3 5/8	8	5 3/16	36	3/4	4 1/8	6 3/4	5 3/16	36	3/4	4 3/8	7	5 3/16	25	7/16 x 5/8	25	16	3/16	548	155	541	155
15'-5"	8	1/2	3 1/2	5 3/4	10	3/4	5 1/4	5 3/4	23	1/2	5 3/4	19	1/2	3 5/8	6	5 3/4	36	1/2	3 7/8	6	5 3/4	28 1/2	1/2	3 3/4	8	5 3/4	36	9/16 x 3/4	36	25	1/4	549	155	541	155
16'-5"	10	3/4	4 3/8	5 7/16	8	3/4	5 1/4	5 7/16	9	3/8	5 7/16	36	3/4	5 9/16	8	5 7/16	28 1/2	3/4	4 1/8	6 3/4	5 7/16	28 1/2	3/4	4 3/8	7	5 7/16	21	7/16 x 5/8	21	14	3/16	640	165	633	165
16'-5"	8	3/4	3 1/4	5 3/4	9	3/4	5 1/4	5 3/4	20	1/2	5 3/4	28 1/2	1/2	3 5/8	8	5 3/4	19	1/2	3 7/8	6	5 3/4	36	3/4	4 3/8	7	5 3/4	36	9/16 x 3/4	36	21	1/4	641	165	633	165
17'-5"	9	3/4	4 3/8	5 7/16	N/A				8	3/8	5 7/16	36	3/4	5 9/16	8	5 7/16	36	3/4	5 3/4	8 3/4	5 7/16	28 1/2	3/4	4 3/8	8	5 7/16	19	7/16 x 5/8	19	12	3/16	730	175	724	176
17'-5"	10	3/4	4 3/8	5 3/4	8	3/4	5 1/4	5 3/4	17	1/2	5 3/4	36	3/4	5 9/16	8	5 3/4	22 3/4	3/4	4 1/8	6 3/4	5 3/4	22 3/4	3/4	4 3/8	7	5 3/4	34	9/16 x 3/4	34	19	1/4	731	175	724	176
18'-5"	8	3/4	4 3/8	5 7/16	N/A				7	3/8	5 7/16	28 1/2	3/4	5 9/16	8	5 7/16	36	3/4	5 3/4	8 3/4	5 7/16	N/A	3/4	4 3/8	8	5 7/16	17	7/16 x 5/8	17	11	3/16	820	185	813	186
18'-5"	9	3/4	4 3/8	5 3/4	N/A				16	1/2	5 3/4	36	3/4	5 9/16	8	5 3/4	36	3/4	5 3/4	8 3/4	5 3/4	28 1/2	3/4	4 3/8	8	5 3/4	30	9/16 x 3/4	30	17	1/4	821	186	813	186
19'-5"	N/A				N/A				6	3/8	5 7/16	N/A				N/A				N/A				14	7/16 x 5/8	14	9	3/16	958	196	952	196			
19'-5"	N/A				N/A				13	1/2	5 3/4	22 3/4	3/4	5 9/16	8	5 3/4	36	3/4	5 3/4	8 3/4	5 3/4	N/A				26	9/16 x 3/4	26	14	1/4	959	196	952	196	
20'-5"	N/A				N/A				5	3/8	5 7/16	N/A				N/A				N/A				13	7/16 x 5/8	13	8	3/16	1052	206	1045	207			
20'-5"	N/A				N/A				12	1/2	5 3/4	N/A				N/A				N/A				23	9/16 x 3/4	23	13	1/4	1053	206	1045	207			
21'-5"	N/A				N/A				5	3/8	5 7/16	N/A				N/A				N/A				12	7/16 x 5/8	12	7	3/16	1146	216	1140	217			
21'-5"	N/A				N/A				11	1/2	5 3/4	N/A				N/A				N/A				22	9/16 x 3/4	22	12	1/4	1147	217	1140	217			
22'-5"	N/A				N/A				17	5/8	6 1/4	22 3/4	3/4	5 9/16	8	6 1/4	19	5/8	5 1/8	7 7/8	6 1/4	28 1/2	5/8	4 3/4	6 1/4	6 1/4	36	11/16 x 7/8	36	24	5/16	912	225	907	225
23'-5"	N/A				N/A				16	5/8	6 1/4	N/A				N/A				N/A				36	11/16 x 7/8	36	22	5/16	986	235	981	235			
24'-5"	N/A				N/A				15	5/8	6 1/4	N/A				N/A				N/A				36	11/16 x 7/8	36	21	5/16	1060	245	1055	246			
25'-5"	N/A				N/A				16	5/8	7 5/16	22 3/4	3/4	5 9/16	8	7 5/16	36	3/4	5 3/4	8 3/4	7 5/16	N/A				36	11/16 x 7/8	36	24	5/16	1136	255	1130	256	
26'-5"	N/A				N/A				15	5/8	6 13/16	N/A				N/A				N/A				36	11/16 x 7/8	36	22	5/16	1212	265	1206	266			
27'-5"	N/A				N/A				14	5/8	6 13/16	N/A				N/A				N/A				36	11/16 x 7/8	36	21	5/16	1288	275	1283	276			
28'-5"	N/A				N/A				13	5/8	6 13/16	N/A				N/A				N/A				36	11/16 x 7/8	36	20	5/16	1366	286	1360	286			
29'-5"	N/A				N/A				13	5/8	6 13/16	N/A				N/A				N/A				34	11/16 x 7/8	34	18	5/16	1445	296	1439	297			
30'-5"	N/A				N/A				12	5/8	6 13/16	N/A				N/A				N/A				32	11/16 x 7/8	32	17	5/16	1524	306	1519	307			
31'-5"	N/A				N/A				11	5/8	6 13/16	N/A				N/A				N/A				30	11/16 x 7/8	30	17	5/16	1605	317	1599	317			
32'-5"	N/A				N/A				11	5/8	6 13/16	N/A				N/A				N/A				29	11/16 x 7/8	29	16	5/16	1686	327	1680	328			
33'-5"	N/A				N/A				10	5/8	6 13/16	N/A				N/A				N/A				27	11/16 x 7/8	27	15	5/16	1769	337	1763	338			
34'-5"	N/A				N/A				10	5/8	6 7/8	N/A				N/A				N/A				25	11/16 x 7/8	25	14	5/16	1852	348	1846	348			
35'-5"	N/A				N/A				10	5/8	6 7/8	N/A				N/A				N/A				24	11/16 x 7/8	24	13	5/16	1937	358	1931	359			
36'-5"	N/A				N/A				9	5/8	6 7/8	N/A				N/A				N/A				23	11/16 x 7/8	23	12	5/16	2022	368	2016	369			
37'-5"	N/A				N/A				9	5/8	6 7/8	N/A				N/A				N/A				22	11/16 x 7/8	22	12	5/16	2109	379	2102	380			
38'-5"	N/A				N/A				8	5/8	6 7/8	N/A				N/A				N/A				21	11/16 x 7/8	21	11	5/16	2196	389	2190	390			
39'-5"	N/A				N/A				8	5/8	6 7/8	N/A				N/A				N/A				20	11/16 x 7/8	20	11	5/16	2285	400	2278	401			
40'-5"	N/A				N/A				8	5/8	6 7/8	N/A				N/A				N/A				19	11/16 x 7/8	19	10	5/16	2374	410	2368	411			



24 ELMWOOD AVE 1901 S. LITCHFIELD RD
MOUNTAINTOP, PA GOODYEAR, AZ
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 NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED	DRAWN BY:	TJE	SIZE:	B	SCALE:	AS NOTED	SHEET:	12/53
		DWG NO:	ES-16-62-TCCI						

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0220 Minimum Thickness Galvanized or Stainless Steel - 30 PSF																							
Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																							
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Tru-Bolt				Powers Wedge-Bolt			
								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
6'-5"	N/A	N/A	N/A	333*	N/A	3/8	24	36	2 3/8	4	4 9/16	36	2 5/8	3 15/16	4 9/16	36	3	4 1/2	4 9/16	30	2	3	4 9/16
6'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	21	2 5/8	3 15/16	5 3/4	22	3	4 1/2	5 3/4	17	2	3	5 3/4
12'-5"	1 5/16	0.532	CP1151	334	12	3/8	16	N/A				9	2 5/8	3 15/16	5 7/16	9	3	4 1/2	5 7/16	5	2	3	5 7/16
12'-5"	1 5/16	0.532	CP1151	344	12	1/2	18	36	3 5/8	6	5 3/4	20	4 1/2	6 3/4	5 3/4	16	4 1/8	6 3/16	5 3/4	9	2 1/2	3 3/4	5 3/4
13'-5"	1 7/16	0.657	CP1151	334	12	3/8	14	N/A				8	2 5/8	3 15/16	5 7/16	8	3	4 1/2	5 7/16	5	2	3	5 7/16
13'-5"	1 7/16	0.657	CP1151	344	12	1/2	18	36	3 5/8	6	5 3/4	18	4 1/2	6 3/4	5 3/4	15	4 1/8	6 3/16	5 3/4	8	2 1/2	3 3/4	5 3/4
14'-5"	1 1/2	0.719	CP1151	334	11	3/8	13	N/A				7	2 5/8	3 15/16	5 7/16	7	3	4 1/2	5 7/16	4	2	3	5 7/16
14'-5"	1 1/2	0.719	CP1151	344	11	1/2	18	36	3 5/8	6	5 3/4	16	4 1/2	6 3/4	5 3/4	13	4 1/8	6 3/16	5 3/4	7	2 1/2	3 3/4	5 3/4
15'-5"	1 1/2	0.656	CP1152	334	10	3/8	11	N/A				6	2 5/8	3 15/16	5 7/16	6	3	4 1/2	5 7/16	4	2 1/2	3 3/4	5 7/16
15'-5"	1 1/2	0.656	CP1152	344	10	1/2	18	28	3 5/8	6	5 3/4	13	4 1/2	6 3/4	5 3/4	11	4 1/8	6 3/16	5 3/4	6	2 1/2	3 3/4	5 3/4
16'-5"	1 1/2	0.656	CP1152	334	9	3/8	10	N/A				5	2 5/8	3 15/16	5 7/16	N/A				6	3 1/2	5 1/4	5 7/16
16'-5"	1 1/2	0.656	CP1152	344	9	1/2	18	28	3 5/8	8	5 3/4	12	4 1/2	6 3/4	5 3/4	9	4 1/8	6 3/16	5 3/4	8	3 1/2	5 1/4	5 3/4
17'-5"	2	1.219	CP1151	444	11	5/8	18	36	4 3/8	6	6 1/4	18	4 1/2	6 3/4	6 1/4	15	5 1/8	7 11/16	6 1/4	7	3	4 1/2	6 1/4
18'-5"	2	1.156	CP1152	444	10	5/8	18	28	4 3/8	6	6 1/4	16	4 1/2	6 3/4	6 1/4	14	5 1/8	7 11/16	6 1/4	10	4	6	6 1/4
19'-5"	2	1.156	CP1152	444	9	5/8	18	36	4 3/8	8	6 1/4	14	4 1/2	6 3/4	6 1/4	12	5 1/8	7 11/16	6 1/4	9	4	6	6 1/4
20'-5"	2	1.156	CP1152	445	9	5/8	18	28	4 3/8	6	6 13/16	15	4 1/2	6 3/4	6 13/16	14	7 1/2	11 1/4	6 13/16	10	4	6	6 13/16
21'-5"	2	1.156	CP1152	445	9	5/8	18	36	4 3/8	8	6 13/16	14	4 1/2	6 3/4	6 13/16	13	7 1/2	11 1/4	6 13/16	9	4	6	6 13/16
22'-5"	2	1.156	CP1152	445	8	5/8	18	36	4 3/8	8	6 13/16	13	4 1/2	6 3/4	6 13/16	12	7 1/2	11 1/4	6 13/16	8	4	6	6 13/16
23'-5"	2	1.156	CP1152 & CP1153	445	8	5/8	18	22	4 3/8	8	6 13/16	12	4 1/2	6 3/4	6 13/16	N/A				8	4	6	6 13/16
24'-5"	2	1.156	CP1152 & CP1153	445	8	5/8	18	N/A				11	4 1/2	6 3/4	6 13/16	N/A				10	5	7 1/2	6 13/16
25'-5"	2	1.156	CP1152 & CP1153	445	7	5/8	18	N/A				10	4 1/2	6 3/4	6 13/16	N/A				9	5	7 1/2	6 13/16
26'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				10	4 1/2	6 3/4	6 7/8	N/A				9	5	7 1/2	6 7/8
27'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				9	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8
28'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				9	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8
29'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	17	N/A				8	4 1/2	6 3/4	6 7/8	N/A				7	5	7 1/2	6 7/8
30'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	16	N/A				8	4 1/2	6 3/4	6 7/8	N/A				N/A			
31'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
32'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
33'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
34'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				10	5	7 1/2	7 1/2	11	6 5/8	9 15/16	7 1/2	N/A			
35'-5"	2 1/2	1.656	CP1152 & CP1153	648	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			
36'-5"	2 1/2	1.656	CP1152 & CP1153	648	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			
37'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	9	6 5/8	9 15/16	7 1/2	N/A			
38'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	8	6 5/8	9 15/16	7 1/2	N/A			
39'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2	N/A			
40'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				7	5	7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2	N/A			



	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ	Unless otherwise specified, dimensions are in inches & tolerances are: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG
	P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM	TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED
	SIZE: B SCALE: AS NOTED SHEET: 13/53	

L/TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0220 Minimum Thickness Galvanized or Stainless Steel - 30 PSF, Cont.																																			
DBG Up To	Filled CMU									Cracked Concrete Minimum 3,000 PSI Compressive Strength											Steel (Wall anchors are the same diameter as assembly fasteners)						Superimposed Loads								
	Hilti Kwik Bolt 3			Simpson Strong-Bolt 2			Through Bolt			Hilti Kwik Bolt TZ					Simpson Strong-Bolt 2				ITW Redhead Trubolt+					Welded		Through Bolt	Tapped		Vx (+)	Vy (+)	Vx (-)	Vy (-)			
	Max O.C.	Dia.	Embed	Edge Dist	Max O.C.	Dia.	Embed	Edge Dist	Max. O.C.	Dia.	Edge Distance	Max O.C.	Dia.	Embed.	Min Wall Thick.	Edge Dist	Max O.C.	Dia.	Embed.	Min Wall Thick.	Edge Dist	Max O.C.	Dia.	Embed.	Min Wall Thick.	Edge Dist	Max O.C.	Slot Size					Max O.C.	Max O.C.	Min. Thickness
6'-5"	8	3/8	1 5/8	4 9/16	15	3/8	2 5/8	4 9/16	36	3/8	4 9/16	36	3/8	2 5/16	4	4 9/16	36	3/8	1 7/8	3 1/4	4 9/16	36	3/8	2	4	4 9/16	36	7/16 x 5/8	36	36	3/16	0	98	0	97
6'-5"	12	3/8	2 1/2	5 3/4	8	3/8	2 5/8	5 3/4	21	3/8	5 3/4	19	3/8	2 5/16	4	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	3/8	2	5	5 3/4	36	7/16 x 5/8	36	36	3/16	0	98	0	97
12'-5"	10	3/4	4 3/8	5 7/16	8	3/4	5 1/4	5 7/16	9	3/8	5 7/16	36	3/4	5 9/16	8	5 7/16	22 3/4	3/4	4 1/8	6 3/4	5 7/16	28 1/2	3/4	4 3/8	7	5 7/16	21	7/16 x 5/8	21	14	3/16	648	188	635	188
12'-5"	8	3/4	3 1/4	5 3/4	9	3/4	5 1/4	5 3/4	20	1/2	5 3/4	28 1/2	1/2	3 5/8	8	5 3/4	36	3/4	4 1/8	6 3/4	5 3/4	36	3/4	4 3/8	7	5 3/4	36	9/16 x 3/4	36	21	1/4	650	188	635	188
13'-5"	9	3/4	4 3/8	5 7/16	N/A			8	3/8	5 7/16	36	3/4	5 9/16	8	5 7/16	36	3/4	5 3/4	8 3/4	5 7/16	16 1/4	3/4	4 3/8	7	5 7/16	20	7/16 x 5/8	20	13	3/16	693	202	683	203	
13'-5"	10	3/4	4 3/8	5 3/4	8	3/4	5 1/4	5 3/4	18	1/2	5 3/4	36	3/4	5 9/16	8	5 3/4	28 1/2	3/4	4 1/8	6 3/4	5 3/4	28 1/2	3/4	4 3/8	7	5 3/4	35	9/16 x 3/4	35	19	1/4	695	203	683	203
14'-5"	8	3/4	4 3/8	5 7/16	N/A			7	3/8	5 7/16	36	3/4	5 9/16	8	5 7/16	36	3/4	5 3/4	8 3/4	5 7/16	19	3/4	4 3/8	8	5 7/16	17	7/16 x 5/8	17	11	3/16	781	217	772	218	
14'-5"	9	3/4	4 3/8	5 3/4	N/A			16	1/2	5 3/4	36	3/4	5 9/16	8	5 3/4	36	3/4	5 3/4	8 3/4	5 3/4	36	3/4	4 3/8	8	5 3/4	31	9/16 x 3/4	31	17	1/4	783	218	772	218	
15'-5"	N/A			N/A			6	3/8	5 7/16	N/A					N/A					N/A					14	7/16 x 5/8	14	9	3/16	962	233	953	234		
15'-5"	N/A			N/A			13	1/2	5 3/4	22 3/4	3/4	5 9/16	8	5 3/4	36	3/4	5 3/4	8 3/4	5 3/4	N/A					26	9/16 x 3/4	26	14	1/4	963	233	953	234		
16'-5"	N/A			N/A			5	3/8	5 7/16	N/A					N/A					N/A					12	7/16 x 5/8	12	8	3/16	1094	248	1085	249		
16'-5"	N/A			N/A			12	1/2	5 3/4	N/A					N/A					N/A					22	9/16 x 3/4	22	12	1/4	1096	249	1085	249		
17'-5"	8	3/4	4 3/8	6 1/4	N/A			18	5/8	6 1/4	28 1/2	3/4	5 9/16	8	6 1/4	22 3/4	5/8	5 1/8	7 7/8	6 1/4	28 1/2	5/8	4 3/4	6 1/4	6 1/4	36	11/16 x 7/8	36	26	5/16	859	261	851	262	
18'-5"	N/A			N/A			16	5/8	6 1/4	N/A					N/A					N/A					36	11/16 x 7/8	36	22	5/16	990	276	983	277		
19'-5"	N/A			N/A			14	5/8	6 1/4	N/A					N/A					N/A					36	11/16 x 7/8	36	20	5/16	1094	292	1086	293		
20'-5"	N/A			N/A			15	5/8	6 13/16	N/A					36	3/4	5 3/4	8 3/4	6 13/16	N/A					36	11/16 x 7/8	36	22	5/16	1198	307	1190	308		
21'-5"	N/A			N/A			14	5/8	6 13/16	N/A					N/A					N/A					36	11/16 x 7/8	36	20	5/16	1303	322	1296	323		
22'-5"	N/A			N/A			13	5/8	6 13/16	N/A					N/A					N/A					35	11/16 x 7/8	35	19	5/16	1409	337	1402	338		
23'-5"	N/A			N/A			12	5/8	6 13/16	N/A					N/A					N/A					32	11/16 x 7/8	32	18	5/16	1517	353	1509	354		
24'-5"	N/A			N/A			11	5/8	6 13/16	N/A					N/A					N/A					30	11/16 x 7/8	30	16	5/16	1625	368	1617	369		
25'-5"	N/A			N/A			10	5/8	6 13/16	N/A					N/A					N/A					28	11/16 x 7/8	28	15	5/16	1735	383	1727	384		
26'-5"	N/A			N/A			10	5/8	6 7/8	N/A					N/A					N/A					25	11/16 x 7/8	25	14	5/16	1847	399	1839	400		
27'-5"	N/A			N/A			9	5/8	6 7/8	N/A					N/A					N/A					23	11/16 x 7/8	23	13	5/16	1960	414	1952	415		
28'-5"	N/A			N/A			9	5/8	6 7/8	N/A					N/A					N/A					22	11/16 x 7/8	22	12	5/16	2075	430	2066	431		
29'-5"	N/A			N/A			8	5/8	6 7/8	N/A					N/A					N/A					21	11/16 x 7/8	21	11	5/16	2191	445	2182	446		
30'-5"	N/A			N/A			8	5/8	6 7/8	N/A					N/A					N/A					20	11/16 x 7/8	20	11	5/16	2308	461	2300	462		
31'-5"	N/A			N/A			7	5/8	6 7/8	N/A					N/A					N/A					19	11/16 x 7/8	19	10	5/16	2428	477	2419	478		
32'-5"	N/A			N/A			7	5/8	6 7/8	N/A					N/A					N/A					18	11/16 x 7/8	18	10	5/16	2549	492	2540	493		
33'-5"	N/A			N/A			7	5/8	6 7/8	N/A					N/A					N/A					17	11/16 x 7/8	17	9	5/16	2671	508	2662	509		
34'-5"	N/A			N/A			10	3/4	7 1/2	N/A					N/A					N/A					36	13/16 x 1	36	20	3/8	2323	520	2315	520		
35'-5"	N/A			N/A			9	3/4	7 1/2	N/A					N/A					N/A					36	13/16 x 1	36	19	3/8	2428	535	2421	536		
36'-5"	N/A			N/A			9	3/4	7 1/2	N/A					N/A					N/A					35	13/16 x 1	35	19	3/8	2535	551	2527	551		
37'-5"	N/A			N/A			8	3/4	7 1/2	N/A					N/A					N/A					33	13/16 x 1	33	18	3/8	2643	566	2635	567		
38'-5"	N/A			N/A			8	3/4	7 1/2	N/A					N/A					N/A					32	13/16 x 1	32	17	3/8	2752	582	2744	583		
39'-5"	N/A			N/A			8	3/4	7 1/2	N/A					N/A					N/A					31	13/16 x 1	31	16	3/8	2862	598	2854	598		
40'-5"	N/A			N/A			7	3/4	7 1/2	N/A					N/A					N/A					29	13/16 x 1	29	16	3/8	2974	614	2966	614		



	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ		Unless otherwise specified, dimensions are in inches & tolerances are:		
	P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM		0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG		
TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED		DRAWN BY: TJE	SIZE: B	SCALE: AS NOTED	SHEET: 14/53
DWG NO:			ES-16-62-TCCI		

L/TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0220 Minimum Thickness Galvanized or Stainless Steel - 40 PSF																							
Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																							
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Tru-Bolt				Powers Wedge-Bolt			
								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'-5"	N/A	N/A	N/A	333*	N/A	3/8	24	36	2 3/8	4	4 9/16	33	2 5/8	3 15/16	4 9/16	34	3	4 1/2	4 9/16	36	2 1/2	3 3/4	4 9/16
5'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	19	2 5/8	3 15/16	5 3/4	19	3	4 1/2	5 3/4	15	2	3	5 3/4
12'-5"	1 3/8	0.531	CP1152	334	10	3/8	11	N/A				6	2 5/8	3 15/16	5 7/16	6	3	4 1/2	5 7/16	4	2 1/2	3 3/4	5 7/16
12'-5"	1 3/8	0.531	CP1152	344	10	1/2	18	28	3 5/8	6	5 3/4	13	4 1/2	6 3/4	5 3/4	11	4 1/8	6 3/16	5 3/4	6	2 1/2	3 3/4	5 3/4
13'-5"	1 1/2	0.656	CP1152	334	10	3/8	10	N/A				6	2 5/8	3 15/16	5 7/16	6	3	4 1/2	5 7/16	4	2 1/2	3 3/4	5 7/16
13'-5"	1 1/2	0.656	CP1152	344	10	1/2	18	19	3 5/8	6	5 3/4	12	4 1/2	6 3/4	5 3/4	10	4 1/8	6 3/16	5 3/4	8	3 1/2	5 1/4	5 3/4
14'-5"	1 5/8	0.781	CP1152	444	10	5/8	18	22	4 3/8	6	6 1/4	15	4 1/2	6 3/4	6 1/4	13	5 1/8	7 11/16	6 1/4	9	4	6	6 1/4
15'-5"	1 7/8	1.031	CP1152	444	10	5/8	18	22	4 3/8	6	6 1/4	15	4 1/2	6 3/4	6 1/4	13	5 1/8	7 11/16	6 1/4	9	4	6	6 1/4
16'-5"	2	1.156	CP1152	445	9	5/8	18	36	4 3/8	6	6 13/16	16	4 1/2	6 3/4	6 13/16	15	7 1/2	11 1/4	6 13/16	10	4	6	6 13/16
17'-5"	2	1.156	CP1152	445	9	5/8	18	22	4 3/8	6	6 13/16	14	4 1/2	6 3/4	6 13/16	13	7 1/2	11 1/4	6 13/16	9	4	6	6 13/16
18'-5"	2	1.156	CP1152	445	8	5/8	18	36	4 3/8	8	6 13/16	13	4 1/2	6 3/4	6 13/16	12	7 1/2	11 1/4	6 13/16	8	4	6	6 13/16
19'-5"	2	1.156	CP1152 & CP1153	445	8	5/8	18	22	4 3/8	8	6 13/16	12	4 1/2	6 3/4	6 13/16	11	7 1/2	11 1/4	6 13/16	8	4	6	6 13/16
20'-5"	2	1.156	CP1152 & CP1153	445	8	5/8	18	N/A				11	4 1/2	6 3/4	6 13/16	N/A				9	5	7 1/2	6 13/16
21'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				10	4 1/2	6 3/4	6 7/8	N/A				9	5	7 1/2	6 7/8
22'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				9	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8
23'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				9	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8
24'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	17	N/A				8	4 1/2	6 3/4	6 7/8	N/A				7	5	7 1/2	6 7/8
25'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	16	N/A				8	4 1/2	6 3/4	6 7/8	N/A				N/A			
26'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
27'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
28'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				9	5	7 1/2	7 1/2	11	6 5/8	9 15/16	7 1/2	N/A			
29'-5"	2 1/2	1.656	CP1152 & CP1153	648	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			
30'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				9	5	7 1/2	7 1/2	9	6 5/8	9 15/16	7 1/2	N/A			
31'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	8	6 5/8	9 15/16	7 1/2	N/A			
32'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2	N/A			



24 ELMWOOD AVE 1901 S. LITCHFIELD RD
MOUNTAINTOP, PA GOODYEAR, AZ
P: 800.390.8590
F: 866.448.6798
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Unless otherwise specified, dimensions are in inches & tolerances are:
0.000 = +/- 0.031
FRACTIONAL = +/- 1/32
ANGLES = +/- 1/2 DEG

TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED	DRAWN BY: TJE	SIZE: B	SCALE: AS NOTED	SHEET: 15/53
	DWG NO: ES-16-62-TCCI			

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	09/30/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0220 Minimum Thickness Galvanized or Stainless Steel - 40 PSF, Cont.																					
DBG Up To	Filled CMU												Steel (Wall anchors are the same diameter as assembly fasteners)					Superimposed Loads			
	Hilti Kwik Bolt 3				Simpson Strong-Bolt 2				Through Bolt				Welded		Through Bolt	Tapped		Vx (+)	Vy (+)	Vx (-)	Vy (-)
	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.	Max O.C.	Min. Thickness					
5'-5"	19	3/8	2 1/2	4 9/16	13	3/8	2 5/8	4 9/16	33	3/8	4 9/16	36	7/16 x 5/8	36	36	3/16	0	110	0	109	
5'-5"	10	3/8	2 1/2	5 3/4	9	1/2	3 1/2	5 3/4	19	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	110	0	109	
12'-5"	N/A				N/A				6	3/8	5 7/16	14	7/16 x 5/8	14	9	3/16	955	251	940	251	
12'-5"	N/A				N/A				13	1/2	5 3/4	26	9/16 x 3/4	26	14	1/4	957	251	940	251	
13'-5"	N/A				N/A				6	3/8	5 7/16	13	7/16 x 5/8	13	9	3/16	1002	270	990	271	
13'-5"	N/A				N/A				12	1/2	5 3/4	24	9/16 x 3/4	24	13	1/4	1004	271	990	271	
14'-5"	N/A				N/A				15	5/8	6 1/4	36	11/16 x 7/8	36	22	5/16	1062	290	1048	291	
15'-5"	N/A				N/A				15	5/8	6 1/4	36	11/16 x 7/8	36	22	5/16	1033	309	1022	310	
16'-5"	N/A				N/A				16	5/8	6 13/16	36	11/16 x 7/8	36	24	5/16	1096	328	1086	329	
17'-5"	N/A				N/A				14	5/8	6 13/16	36	11/16 x 7/8	36	22	5/16	1228	349	1218	350	
18'-5"	N/A				N/A				13	5/8	6 13/16	36	11/16 x 7/8	36	20	5/16	1361	369	1351	370	
19'-5"	N/A				N/A				12	5/8	6 13/16	33	11/16 x 7/8	33	18	5/16	1495	389	1485	390	
20'-5"	N/A				N/A				11	5/8	6 13/16	30	11/16 x 7/8	30	16	5/16	1631	409	1621	411	
21'-5"	N/A				N/A				10	5/8	6 7/8	26	11/16 x 7/8	26	14	5/16	1768	430	1758	431	
22'-5"	N/A				N/A				9	5/8	6 7/8	24	11/16 x 7/8	24	13	5/16	1907	450	1896	452	
23'-5"	N/A				N/A				9	5/8	6 7/8	22	11/16 x 7/8	22	12	5/16	2047	471	2037	472	
24'-5"	N/A				N/A				8	5/8	6 7/8	21	11/16 x 7/8	21	11	5/16	2190	492	2180	493	
25'-5"	N/A				N/A				8	5/8	6 7/8	20	11/16 x 7/8	20	11	5/16	2335	512	2325	514	
26'-5"	N/A				N/A				7	5/8	6 7/8	18	11/16 x 7/8	18	10	5/16	2482	533	2471	534	
27'-5"	N/A				N/A				7	5/8	6 7/8	17	11/16 x 7/8	17	9	5/16	2631	554	2621	555	
28'-5"	N/A				N/A				9	3/4	7 1/2	36	13/16 x 1	36	20	3/8	2309	571	2299	571	
29'-5"	N/A				N/A				9	3/4	7 1/2	36	13/16 x 1	36	19	3/8	2438	591	2428	592	
30'-5"	N/A				N/A				9	3/4	7 1/2	34	13/16 x 1	34	18	3/8	2568	612	2558	613	
31'-5"	N/A				N/A				8	3/4	7 1/2	32	13/16 x 1	32	17	3/8	2701	633	2691	633	
32'-5"	N/A				N/A				8	3/4	7 1/2	31	13/16 x 1	31	17	3/8	2835	653	2825	654	



	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ 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 NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED	DRAWN BY: TJE DWG NO: ES-16-62-TCCI

L/TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0220 Minimum Thickness Galvanized or Stainless Steel - 50 PSF																							
Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																							
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Tru-Bolt				Powers Wedge-Bolt			
								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
4'-5"	N/A	N/A	N/A	333*	N/A	3/8	24	36	2 3/8	4	4 9/16	32	2 5/8	3 15/16	4 9/16	33	3	4 1/2	4 9/16	35	2 1/2	3	4 9/16
4'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	18	2 5/8	3 15/16	5 3/4	19	3	4 1/2	5 3/4	14	2	6	5 3/4
12'-5"	1 3/8	0.531	CP1152	445	9	5/8	18	22	4 3/8	6	6 13/16	15	4 1/2	6 3/4	6 13/16	13	7 1/2	11 1/4	6 13/16	9	4	6	6 13/16
13'-5"	1 1/2	0.656	CP1152	445	9	5/8	18	36	4 3/8	8	6 13/16	14	4 1/2	6 3/4	6 13/16	13	7 1/2	11 1/4	6 13/16	9	4	6	6 13/16
14'-5"	1 5/8	0.781	CP1152	445	8	5/8	18	36	4 3/8	8	6 13/16	13	4 1/2	6 3/4	6 13/16	12	7 1/2	11 1/4	6 13/16	8	4	6	6 13/16
15'-5"	1 7/8	1.031	CP1152	445	9	5/8	18	36	4 3/8	8	6 13/16	13	4 1/2	6 3/4	6 13/16	12	7 1/2	11 1/4	6 13/16	8	4	6	6 13/16
16'-5"	2	1.156	CP1152	445	8	5/8	18	28	4 3/8	8	6 13/16	12	4 1/2	6 3/4	6 13/16	11	7 1/2	11 1/4	6 13/16	8	4	6	6 13/16
17'-5"	2	1.156	CP1152 & CP1153	445	8	5/8	18		N/A			11	4 1/2	6 3/4	6 13/16		N/A			7	4	7 1/2	6 13/16
18'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18		N/A			10	4 1/2	6 3/4	6 7/8		N/A			9	5	7 1/2	6 7/8
19'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18		N/A			9	4 1/2	6 3/4	6 7/8		N/A			8	5	7 1/2	6 7/8
20'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	17		N/A			9	4 1/2	6 3/4	6 7/8		N/A			8	5	7 1/2	6 7/8
21'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	16		N/A			8	4 1/2	6 3/4	6 7/8		N/A						N/A
22'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15		N/A			7	4 1/2	6 3/4	6 7/8		N/A						N/A
23'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14		N/A			7	4 1/2	6 3/4	6 7/8		N/A						N/A
24'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		N/A			9	5	7 1/2	7 1/2	11	6 5/8	9 15/16	7 1/2				N/A
25'-5"	2 1/2	1.656	CP1152 & CP1153	648	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
26'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		N/A			8	5	7 1/2	7 1/2	9	6 5/8	9 15/16	7 1/2				N/A
27'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		N/A			8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2				N/A
28'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		N/A			7	5	7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2				N/A



	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ	Unless otherwise specified, dimensions are in inches & tolerances are: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG
	P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM	TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0220 Minimum Thickness Galvanized or Stainless Steel - 50 PSF, Cont.																					
DBG Up To	Filled CMU												Steel (Wall anchors are the same diameter as assembly fasteners)					Superimposed Loads			
	Hilti Kwik Bolt 3				Simpson Strong-Bolt 2				Through Bolt				Welded		Through Bolt	Tapped		Vx (+)	Vy (+)	Vx (-)	Vy (-)
	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.	Max O.C.	Min. Thickness					
4'-5"	18	3/8	2 1/2	4 9/16	13	3/8	2 5/8	4 9/16	32	3/8	4 9/16	36	7/16 x 5/8	36	36	3/16	0	112	0	111	
4'-5"	10	3/8	2 1/2	5 3/4	9	1/2	3 1/2	5 3/4	18	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	113	0	111	
12'-5"	N/A				N/A				15	5/8	6 13/16	36	11/16 x 7/8	36	21	5/16	1272	313	1249	314	
13'-5"	N/A				N/A				14	5/8	6 13/16	36	11/16 x 7/8	36	20	5/16	1320	338	1301	339	
14'-5"	N/A				N/A				13	5/8	6 13/16	35	11/16 x 7/8	35	19	5/16	1378	362	1361	364	
15'-5"	N/A				N/A				13	5/8	6 13/16	36	11/16 x 7/8	36	20	5/16	1335	386	1322	387	
16'-5"	N/A				N/A				12	5/8	6 13/16	35	11/16 x 7/8	35	19	5/16	1408	411	1396	412	
17'-5"	N/A				N/A				11	5/8	6 13/16	31	11/16 x 7/8	31	17	5/16	1569	436	1558	438	
18'-5"	N/A				N/A				10	5/8	6 7/8	27	11/16 x 7/8	27	15	5/16	1732	461	1720	463	
19'-5"	N/A				N/A				9	5/8	6 7/8	24	11/16 x 7/8	24	13	5/16	1897	487	1884	489	
20'-5"	N/A				N/A				9	5/8	6 7/8	22	11/16 x 7/8	22	12	5/16	2063	512	2051	514	
21'-5"	N/A				N/A				8	5/8	6 7/8	21	11/16 x 7/8	21	11	5/16	2232	538	2220	540	
22'-5"	N/A				N/A				7	5/8	6 7/8	19	11/16 x 7/8	19	10	5/16	2404	564	2391	566	
23'-5"	N/A				N/A				7	5/8	6 7/8	18	11/16 x 7/8	18	10	5/16	2578	590	2565	592	
24'-5"	N/A				N/A				9	3/4	7 1/2	36	13/16 x 1	36	21	3/8	2281	612	2270	613	
25'-5"	N/A				N/A				9	3/4	7 1/2	36	13/16 x 1	36	19	3/8	2432	637	2421	638	
26'-5"	N/A				N/A				8	3/4	7 1/2	34	13/16 x 1	34	18	3/8	2585	663	2574	664	
27'-5"	N/A				N/A				8	3/4	7 1/2	32	13/16 x 1	32	17	3/8	2741	689	2729	690	
28'-5"	N/A				N/A				7	3/4	7 1/2	30	13/16 x 1	30	16	3/8	2898	715	2886	716	



	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ	Unless otherwise specified, dimensions are in inches & tolerances are: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG
	P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM	
TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED	DRAWN BY: TJE DWG NO: ES-16-62-TCCI	SIZE: B SCALE: AS NOTED SHEET: 18/53

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0220 Minimum Thickness Galvanized or Stainless Steel - 60 PSF																							
Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																							
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Tru-Bolt				Powers Wedge-Bolt			
								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
4'-5"	N/A	N/A	N/A	333*	N/A	3/8	24	36	2 3/8	4	4 9/16	27	2 5/8	3 15/16	4 9/16	28	3	4 1/2	4 9/16	29	2 1/2	3 3/4	4 9/16
4'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	15	2 5/8	3 15/16	5 3/4	16	3	4 1/2	5 3/4	12	2 1/2	3 3/4	5 3/4
12'-5"	1 3/8	0.531	CP1152 & CP1153	445	8	5/8	18	22	4 3/8	8	6 13/16	12	4 1/2	6 3/4	6 13/16	N/A				7	4	6	6 13/16
13'-5"	1 1/2	0.656	CP1152 & CP1153	445	8	5/8	18	N/A				11	4 1/2	6 3/4	6 13/16	N/A				7	2 1/2	3 3/4	6 13/16
14'-5"	1 5/8	0.781	CP1152 & CP1153	445	8	5/8	18	N/A				11	4 1/2	6 3/4	6 13/16	N/A				9	2 1/2	3 3/4	6 13/16
15'-5"	1 7/8	1.031	CP1152 & CP1153	445	8	5/8	18	N/A				11	4 1/2	6 3/4	6 13/16	N/A				9	2 1/2	3 3/4	6 13/16
16'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				10	4 1/2	6 3/4	6 7/8	N/A				9	2 1/2	3 3/4	6 7/8
17'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				9	4 1/2	6 3/4	6 7/8	N/A				8	2 1/2	3 3/4	6 7/8
18'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	17	N/A				8	4 1/2	6 3/4	6 7/8	N/A				7	2 1/2	3 3/4	6 7/8
19'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15	N/A				8	4 1/2	6 3/4	6 7/8	N/A				N/A			
20'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
21'-5"	2 1/2	1.656	CP1152 & CP1153	648	7	3/4	18	N/A				10	5	7 1/2	7 1/2	11	6 5/8	9 15/16	7 1/2	N/A			
22'-5"	2 1/2	1.656	CP1152 & CP1153	648	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			
23'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	9	6 5/8	9 15/16	7 1/2	N/A			
24'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2	N/A			
25'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	17	N/A				7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2	N/A			

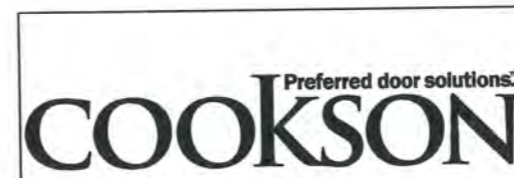
CP0020 - 0.0220 Minimum Thickness Galvanized or Stainless Steel - 60 PSF, Cont.																					
DBG Up To	Filled CMU												Steel (Wall anchors are the same diameter as assembly fasteners)						Superimposed Loads		
	Hilti Kwik Bolt 3				Simpson Strong-Bolt 2				Through Bolt				Welded		Through Bolt	Tapped					
	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.	Max O.C.	Min. Thickness	Vx (+)	Vy (+)	Vx (-)	Vy (-)	
4'-5"	15	3/8	2 1/2	4 9/16	10	3/8	2 5/8	4 9/16	27	3/8	4 9/16	36	7/16 x 5/8	36	36	3/16	0	135	0	133	
4'-5"	8	3/8	2 1/2	5 3/4	14	3/4	2 5/8	5 3/4	15	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	135	0	133	
12'-5"	N/A				N/A				12	5/8	6 13/16	31	11/16 x 7/8	31	17	5/16	1581	376	1555	378	
13'-5"	N/A				N/A				11	5/8	6 13/16	30	11/16 x 7/8	30	16	5/16	1631	405	1609	407	
14'-5"	N/A				N/A				11	5/8	6 13/16	29	11/16 x 7/8	29	16	5/16	1694	435	1674	437	
15'-5"	N/A				N/A				11	5/8	6 13/16	30	11/16 x 7/8	30	16	5/16	1637	463	1622	465	
16'-5"	N/A				N/A				10	5/8	6 7/8	27	11/16 x 7/8	27	15	5/16	1721	493	1707	495	
17'-5"	N/A				N/A				9	5/8	6 7/8	24	11/16 x 7/8	24	13	5/16	1911	524	1897	525	
18'-5"	N/A				N/A				8	5/8	6 7/8	22	11/16 x 7/8	22	12	5/16	2103	554	2089	556	
19'-5"	N/A				N/A				8	5/8	6 7/8	20	11/16 x 7/8	20	11	5/16	2298	585	2283	587	
20'-5"	N/A				N/A				7	5/8	6 7/8	18	11/16 x 7/8	18	10	5/16	2496	616	2481	618	
21'-5"	N/A				N/A				10	3/4	7 1/2	36	13/16 x 1	36	21	3/8	2228	643	2215	644	
22'-5"	N/A				N/A				9	3/4	7 1/2	36	13/16 x 1	36	19	3/8	2400	674	2386	674	
23'-5"	N/A				N/A				8	3/4	7 1/2	34	13/16 x 1	34	18	3/8	2574	704	2561	705	
24'-5"	N/A				N/A				8	3/4	7 1/2	32	13/16 x 1	32	17	3/8	2751	735	2738	736	
25'-5"	N/A				N/A				7	3/4	7 1/2	30	13/16 x 1	30	16	3/8	2931	766	2917	767	



	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ	Unless otherwise specified, dimensions are in inches & tolerances are: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG
	P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM	TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED
DWG NO: ES-16-62-TCCI		

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/15/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0236 Minimum Thickness Galvanized or Stainless Steel - 20 PSF																							
Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																							
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Tru-Bolt				Powers Wedge-Bolt			
								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
8'-5"	N/A	N/A	N/A	333*	N/A	3/8	24	36	2 3/8	4	4 9/16	36	2 5/8	3 15/16	4 9/16	36	3	4 1/2	4 9/16	34	2	3	4 9/16
8'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	24	2 5/8	3 15/16	5 3/4	25	3	4 1/2	5 3/4	19	2	3	5 3/4
14'-5"	1 3/8	0.594	CP1151	333	12	3/8	18	22	2 3/8	5	5 3/16	11	2 5/8	3 15/16	5 3/16	12	3	4 1/2	5 3/16	7	2	3	5 3/16
14'-5"	1 3/8	0.594	CP1151	344	12	1/2	18	22	2 1/4	4	5 3/4	27	4 1/2	6 3/4	5 3/4	22	4 1/8	6 3/16	5 3/4	12	2 1/2	3 3/4	5 3/4
15'-5"	1 1/2	0.719	CP1151	333	12	3/8	18	12	2 3/8	5	5 3/16	10	2 5/8	3 15/16	5 3/16	11	3	4 1/2	5 3/16	6	2	3	5 3/16
15'-5"	1 1/2	0.719	CP1151	344	12	1/2	18	11	2 1/4	4	5 3/4	25	4 1/2	6 3/4	5 3/4	20	4 1/8	6 3/16	5 3/4	11	2 1/2	3 3/4	5 3/4
16'-5"	1 1/2	0.719	CP1151	333	12	3/8	17	N/A				9	2 5/8	3 15/16	5 3/16	9	3	4 1/2	5 3/16	5	2	3	5 3/16
16'-5"	1 1/2	0.719	CP1151	344	12	1/2	18	36	3 5/8	6	5 3/4	21	4 1/2	6 3/4	5 3/4	17	4 1/8	6 3/16	5 3/4	9	2 1/2	3 3/4	5 3/4
17'-5"	1 1/2	0.719	CP1151	334	12	3/8	15	N/A				8	2 5/8	3 15/16	5 7/16	8	3	4 1/2	5 7/16	5	2	3	5 7/16
17'-5"	1 1/2	0.719	CP1151	344	12	1/2	18	36	3 5/8	6	5 3/4	18	4 1/2	6 3/4	5 3/4	15	4 1/8	6 3/16	5 3/4	8	2 1/2	3 3/4	5 3/4
18'-5"	1 1/2	0.719	CP1151	334	11	3/8	13	N/A				7	2 5/8	3 15/16	5 7/16	7	3	4 1/2	5 7/16	4	2	3	5 7/16
18'-5"	1 1/2	0.719	CP1151	344	11	1/2	18	36	3 5/8	6	5 3/4	16	4 1/2	6 3/4	5 3/4	13	4 1/8	6 3/16	5 3/4	7	2 1/2	3 3/4	5 3/4
19'-5"	1 1/2	0.719	CP1151	334	11	3/8	12	N/A				7	2 5/8	3 15/16	5 7/16	7	3	4 1/2	5 7/16	5	2 1/2	3 3/4	5 7/16
19'-5"	1 1/2	0.719	CP1151	344	11	1/2	18	36	3 5/8	6	5 3/4	15	4 1/2	6 3/4	5 3/4	12	4 1/8	6 3/16	5 3/4	6	2 1/2	3 3/4	5 3/4
20'-5"	1 1/2	0.656	CP1152	334	10	3/8	11	N/A				6	2 5/8	3 15/16	5 7/16	6	3	4 1/2	5 7/16	4	2 1/2	3 3/4	5 7/16
20'-5"	1 1/2	0.656	CP1152	344	10	1/2	18	19	3 5/8	6	5 3/4	13	4 1/2	6 3/4	5 3/4	10	4 1/8	6 3/16	5 3/4	8	3 1/2	5 1/4	5 3/4
21'-5"	1 1/2	0.656	CP1152	334	9	3/8	10	N/A				5	2 5/8	3 15/16	5 7/16	N/A				6	3 1/2	5 1/4	5 7/16
21'-5"	1 1/2	0.656	CP1152	344	9	1/2	18	28	3 5/8	8	5 3/4	11	4 1/2	6 3/4	5 3/4	9	4 1/8	6 3/16	5 3/4	7	3 1/2	5 1/4	5 3/4
22'-5"	2	1.219	CP1151	444	11	5/8	18	36	4 3/8	6	6 1/4	18	4 1/2	6 3/4	6 1/4	16	5 1/8	7 11/16	6 1/4	7	3	4 1/2	6 1/4
23'-5"	2	1.156	CP1152	444	10	5/8	18	36	4 3/8	6	6 1/4	16	4 1/2	6 3/4	6 1/4	14	5 1/8	7 11/16	6 1/4	10	4	6	6 1/4
24'-5"	2	1.156	CP1152	444	10	5/8	18	28	4 3/8	6	6 1/4	15	4 1/2	6 3/4	6 1/4	13	5 1/8	7 11/16	6 1/4	9	4	6	6 1/4
25'-5"	2	1.156	CP1152	444	9	5/8	18	36	4 3/8	8	6 1/4	14	4 1/2	6 3/4	6 1/4	12	5 1/8	7 11/16	6 1/4	9	4	6	6 1/4
26'-5"	2	1.156	CP1152	445	9	5/8	18	28	4 3/8	6	6 13/16	15	4 1/2	6 3/4	6 13/16	14	7 1/2	11 1/4	6 13/16	10	4	6	6 13/16
27'-5"	2	1.156	CP1152	445	9	5/8	18	22	4 3/8	6	6 13/16	14	4 1/2	6 3/4	6 13/16	13	7 1/2	11 1/4	6 13/16	9	4	6	6 13/16
28'-5"	2	1.156	CP1152	445	8	5/8	18	36	4 3/8	8	6 13/16	14	4 1/2	6 3/4	6 13/16	12	7 1/2	11 1/4	6 13/16	9	4	6	6 13/16
28'-5"	2	1.156	CP1152	445	8	5/8	18	36	4 3/8	8	6 13/16	13	4 1/2	6 3/4	6 13/16	12	7 1/2	11 1/4	6 13/16	8	4	6	6 13/16
29'-5"	2	1.156	CP1152	445	8	5/8	18	22	4 3/8	8	6 13/16	12	4 1/2	6 3/4	6 13/16	11	7 1/2	11 1/4	6 13/16	8	4	6	6 13/16
30'-5"	2	1.156	CP1152	445	8	5/8	18	N/A				11	4 1/2	6 3/4	6 13/16	N/A				7	4	6	6 13/16
31'-5"	2	1.156	CP1152	445	8	5/8	18	N/A				11	4 1/2	6 3/4	6 13/16	N/A				9	5	7 1/2	6 13/16
32'-5"	2	1.156	CP1152 & CP1153	445	8	5/8	18	N/A				10	4 1/2	6 3/4	6 13/16	N/A				9	5	7 1/2	6 13/16
33'-5"	2	1.156	CP1152 & CP1153	445	7	5/8	18	N/A				10	4 1/2	6 3/4	6 13/16	N/A				9	5	7 1/2	6 7/8
34'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				10	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8
35'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				9	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8
36'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				9	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8
37'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				8	4 1/2	6 3/4	6 7/8	N/A				7	5	7 1/2	6 7/8
38'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	17	N/A				8	4 1/2	6 3/4	6 7/8	N/A				N/A			
39'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	17	N/A				8	4 1/2	6 3/4	6 7/8	N/A				N/A			
40'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	16	N/A				8	4 1/2	6 3/4	6 7/8	N/A				N/A			



24 ELMWOOD AVE 1901 S. LITCHFIELD RD
MOUNTAINTOP, PA GOODYEAR, AZ
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Unless otherwise specified, dimensions are in inches & tolerances are:
0.000 = +/- 0.031
FRACTIONAL = +/- 1/32
ANGLES = +/- 1/2 DEG

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

DRAWN BY: TJE
SIZE: B
SCALE: AS NOTED
SHEET: 20/53
DWG NO: ES-16-62-TCCI

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0236 Minimum Thickness Galvanized or Stainless Steel - 30 PSF																							
Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																							
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Tru-Bolt				Powers Wedge-Bolt			
								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
6'-5"	N/A	N/A	N/A	333*	N/A	3/8	24	36	2 3/8	4	4 9/16	36	2 5/8	3 15/16	4 9/16	36	3	4 1/2	4 9/16	30	2	3	4 9/16
6'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	21	2 5/8	3 15/16	5 3/4	22	3	4 1/2	5 3/4	17	2	3	5 3/4
14'-5"	1 3/8	0.594	CP1151	334	11	3/8	12	N/A				7	2 5/8	3 15/16	5 7/16	7	3	4 1/2	5 7/16	4	2	3	5 7/16
14'-5"	1 3/8	0.594	CP1151	344	11	1/2	18	36	3 5/8	6	5 3/4	15	4 1/2	6 3/4	5 3/4	12	4 1/8	6 3/16	5 3/4	7	2 1/2	3 3/4	5 3/4
15'-5"	1 1/2	0.719	CP1151	334	11	3/8	12	N/A				7	2 5/8	3 15/16	5 7/16	7	3	4 1/2	5 7/16	5	2 1/2	3 3/4	5 7/16
15'-5"	1 1/2	0.719	CP1151	344	11	1/2	18	36	3 5/8	6	5 3/4	15	4 1/2	6 3/4	5 3/4	12	4 1/8	6 3/16	5 3/4	6	2 1/2	3 3/4	5 3/4
16'-5"	1 1/2	0.656	CP1152	334	10	3/8	10	N/A				5	2 5/8	3 15/16	5 7/16	N/A				7	3 1/2	5 1/4	5 7/16
16'-5"	1 1/2	0.656	CP1152	344	10	1/2	18	36	3 5/8	8	5 3/4	12	4 1/2	6 3/4	5 3/4	10	4 1/8	6 3/16	5 3/4	8	3 1/2	5 1/4	5 3/4
17'-5"	1 1/2	0.656	CP1152	344	9	1/2	18	19	3 5/8	8	5 3/4	11	4 1/2	6 3/4	5 3/4	9	4 1/8	6 3/16	5 3/4	7	3 1/2	5 1/4	5 3/4
18'-5"	2	1.156	CP1152	444	10	5/8	18	36	4 3/8	6	6 1/4	16	4 1/2	6 3/4	6 1/4	14	5 1/8	7 11/16	6 1/4	10	4	6	6 1/4
19'-5"	2	1.156	CP1152	444	10	5/8	18	19	4 3/8	6	6 1/4	14	4 1/2	6 3/4	6 1/4	13	5 1/8	7 11/16	6 1/4	9	4	6	6 1/4
20'-5"	2	1.156	CP1152	445	9	5/8	18	28	4 3/8	6	6 13/16	15	4 1/2	6 3/4	6 13/16	14	7 1/2	11 1/4	6 13/16	10	4	6	6 13/16
21'-5"	2	1.156	CP1152	445	9	5/8	18	36	4 3/8	8	6 13/16	14	4 1/2	6 3/4	6 13/16	13	7 1/2	11 1/4	6 13/16	9	4	6	6 13/16
22'-5"	2	1.156	CP1152	445	8	5/8	18	36	4 3/8	8	6 13/16	13	4 1/2	6 3/4	6 13/16	12	7 1/2	11 1/4	6 13/16	8	4	6	6 13/16
23'-5"	2	1.156	CP1152	445	8	5/8	18	22	4 3/8	8	6 13/16	12	4 1/2	6 3/4	6 13/16	11	7 1/2	11 1/4	6 13/16	8	4	6	6 13/16
24'-5"	2	1.156	CP1152 & CP1153	445	8	5/8	18	N/A				11	4 1/2	6 3/4	6 13/16	N/A				7	4	6	6 13/16
25'-5"	2	1.156	CP1152 & CP1153	445	7	5/8	18	N/A				10	4 1/2	6 3/4	6 13/16	N/A				9	5	7 1/2	6 13/16
26'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				10	4 1/2	6 3/4	6 7/8	N/A				9	5	7 1/2	6 7/8
27'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				9	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8
28'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				9	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8
29'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	17	N/A				8	4 1/2	6 3/4	6 7/8	N/A				7	5	7 1/2	6 7/8
30'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	16	N/A				8	4 1/2	6 3/4	6 7/8	N/A				N/A			
31'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
32'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
33'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
34'-5"	2	1.156	CP1152 & CP1153	648	6	3/4	18	N/A				6	4 1/2	6 3/4	6 7/8	N/A				N/A			
35'-5"	2 1/2	1.656	CP1152 & CP1153	648	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			
36'-5"	2 1/2	1.656	CP1152 & CP1153	648	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			
37'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	9	6 5/8	9 15/16	7 1/2	N/A			
38'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	8	6 5/8	9 15/16	7 1/2	N/A			
39'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2	N/A			
40'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				7	5	7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2	N/A			



	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ		Unless otherwise specified, dimensions are in inches & tolerances are:		
	P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM		0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG		
TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED		DRAWN BY: TJE	SIZE: B	SCALE: AS NOTED	SHEET: 22/53
		DWG NO: ES-16-62-TCCI			

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0236 Minimum Thickness Galvanized or Stainless Steel - 30 PSF, Cont.																																											
DBG Up To	Filled CMU												Cracked Concrete Minimum 3,000 PSI Compressive Strength												Steel (Wall anchors are the same diameter as assembly fasteners)				Superimposed Loads														
	Hilti Kwik Bolt 3				Simpson Strong-Bolt 2				Through Bolt				Hilti Kwik Bolt TZ				Simpson Strong-Bolt 2				ITW Redhead Trubolt+				Welded		Through Bolt	Tapped		Vx (+)	Vy (+)	Vx (-)	Vy (-)										
	Max O.C.	Dia.	Embed	Edge Dist	Max O.C.	Dia.	Embed	Edge Dist	Max. O.C.	Dia.	Edge Dist	Max O.C.	Dia.	Embed.	Min Wall Thick.	Edge Dist	Max O.C.	Dia.	Embed.	Min Wall Thick.	Edge Dist	Max O.C.	Dia.	Embed.	Min Wall Thick.	Edge Dist	Max O.C.	Slot Size	Max O.C.					Max O.C.	Min. Thickness								
6'-5"	8	3/8	1 5/8	4 9/16	15	3/8	2 5/8	4 9/16	36	3/8	4 9/16	36	3/8	2 5/16	4	4 9/16	36	3/8	1 7/8	3 1/4	4 9/16	36	3/8	2	4	4 9/16	36	7/16 x 5/8	36	36	3/16	0	98	0	97								
6'-5"	12	3/8	2 1/2	5 3/4	8	3/8	2 5/8	5 3/4	21	3/8	5 3/4	19	3/8	2 5/16	4	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	3/8	2	5	5 3/4	36	7/16 x 5/8	36	36	3/16	0	98	0	97								
14'-5"	8	3/4	4 3/8	5 7/16	N/A				7	3/8	5 7/16	28 1/2	3/4	5 9/16	8	5 7/16	36	3/4	5 3/4	8 3/4	5 7/16	N/A				16	7/16 x 5/8	16	11	3/16	826	218	814	218									
14'-5"	9	3/4	4 3/8	5 3/4	N/A				15	1/2	5 3/4	36	3/4	5 9/16	8	5 3/4	36	3/4	5 3/4	8 3/4	5 3/4	28 1/2	3/4	4 3/8	8	5 3/4	30	9/16 x 3/4	30	16	1/4	828	218	814	218								
15'-5"	N/A				N/A				7	3/8	5 7/16	N/A				N/A				19	3/4	4 3/8	8	5 3/4	28	3/4	4 3/8	8	5 3/4	28	9/16 x 3/4	28	16	1/4	862	233	851	233					
15'-5"	8	3/4	4 3/8	5 3/4	N/A				15	1/2	5 3/4	36	3/4	5 9/16	8	5 3/4	36	3/4	5 3/4	8 3/4	5 3/4	N/A				13	7/16 x 5/8	13	8	3/16	1051	248	1041	249									
16'-5"	N/A				N/A				5	3/8	5 7/16	N/A				N/A				N/A				23	9/16 x 3/4	23	13	1/4	1052	248	1041	249											
16'-5"	N/A				N/A				12	1/2	5 3/4	N/A				N/A				N/A				21	9/16 x 3/4	21	11	1/4	1189	264	1178	264											
17'-5"	N/A				N/A				11	1/2	5 3/4	N/A				N/A				N/A				36	3/4	5 3/4	8 3/4	6 1/4	19	5/8	4 3/4	6 1/4	6 1/4	36	11/16 x 7/8	36	23	5/16	956	276	948	277	
18'-5"	N/A				N/A				16	5/8	6 1/4	N/A				N/A				36	3/4	5 3/4	8 3/4	6 1/4	N/A				36	11/16 x 7/8	36	21	5/16	1063	292	1055	292						
19'-5"	N/A				N/A				14	5/8	6 1/4	N/A				N/A				N/A				N/A				36	3/4	5 3/4	8 3/4	6 13/16	36	11/16 x 7/8	36	23	5/16	1170	307	1162	308		
20'-5"	N/A				N/A				15	5/8	6 13/16	N/A				N/A				36	3/4	5 3/4	8 3/4	6 13/16	N/A				36	11/16 x 7/8	36	21	5/16	1278	322	1270	323						
21'-5"	N/A				N/A				14	5/8	6 13/16	N/A				N/A				N/A				N/A				35	11/16 x 7/8	35	19	5/16	1386	337	1378	338							
22'-5"	N/A				N/A				13	5/8	6 13/16	N/A				N/A				N/A				N/A				33	11/16 x 7/8	33	18	5/16	1495	352	1487	353							
23'-5"	N/A				N/A				12	5/8	6 13/16	N/A				N/A				N/A				N/A				30	11/16 x 7/8	30	17	5/16	1606	368	1598	369							
24'-5"	N/A				N/A				11	5/8	6 13/16	N/A				N/A				N/A				N/A				28	11/16 x 7/8	28	15	5/16	1717	383	1709	384							
25'-5"	N/A				N/A				10	5/8	6 13/16	N/A				N/A				N/A				N/A				25	11/16 x 7/8	25	14	5/16	1830	399	1822	400							
26'-5"	N/A				N/A				10	5/8	6 7/8	N/A				N/A				N/A				N/A				24	11/16 x 7/8	24	13	5/16	1944	414	1936	415							
27'-5"	N/A				N/A				9	5/8	6 7/8	N/A				N/A				N/A				N/A				22	11/16 x 7/8	22	12	5/16	2060	429	2052	431							
28'-5"	N/A				N/A				9	5/8	6 7/8	N/A				N/A				N/A				N/A				21	11/16 x 7/8	21	11	5/16	2177	445	2169	446							
29'-5"	N/A				N/A				8	5/8	6 7/8	N/A				N/A				N/A				N/A				20	11/16 x 7/8	20	11	5/16	2296	461	2287	462							
30'-5"	N/A				N/A				8	5/8	6 7/8	N/A				N/A				N/A				N/A				19	11/16 x 7/8	19	10	5/16	2416	476	2407	477							
31'-5"	N/A				N/A				7	5/8	6 7/8	N/A				N/A				N/A				N/A				18	11/16 x 7/8	18	10	5/16	2538	492	2529	493							
32'-5"	N/A				N/A				7	5/8	6 7/8	N/A				N/A				N/A				N/A				17	11/16 x 7/8	17	9	5/16	2661	508	2652	509							
33'-5"	N/A				N/A				7	5/8	6 7/8	N/A				N/A				N/A				N/A				36	11/16 x 7/8	36	20	3/8	2313	519	2306	520							
34'-5"	N/A				N/A				6	3/4	6 7/8	N/A				N/A				N/A				N/A				36	13/16 x 1	36	20	3/8	2419	535	2411	535							
35'-5"	N/A				N/A				9	3/4	7 1/2	N/A				N/A				N/A				N/A				35	13/16 x 1	35	19	3/8	2526	550	2518	551							
36'-5"	N/A				N/A				9	3/4	7 1/2	N/A				N/A				N/A				N/A				33	13/16 x 1	33	18	3/8	2635	566	2626	566							
37'-5"	N/A				N/A				8	3/4	7 1/2	N/A				N/A				N/A				N/A				32	13/16 x 1	32	17	3/8	2744	582	2736	582							
38'-5"	N/A				N/A				8	3/4	7 1/2	N/A				N/A				N/A				N/A				31	13/16 x 1	31	17	3/8	2855	597	2847	598							
39'-5"	N/A				N/A				8	3/4	7 1/2	N/A				N/A				N/A				N/A				30	13/16 x 1	30	16	3/8	2967	613	2959	613							
40'-5"	N/A				N/A				7	3/4	7 1/2	N/A				N/A				N/A				N/A				N/A				N/A				N/A				N/A			



24 ELMWOOD AVE 1901 S. LITCHFIELD RD
MOUNTAINTOP, PA GOODYEAR, AZ

P: 800.390.8590
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Unless otherwise specified, dimensions are in inches & tolerances are:

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

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

DRAWN BY: TJE
SIZE: B
SCALE: AS NOTED
SHEET: 23/53
DWG NO: ES-16-62-TCCI

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

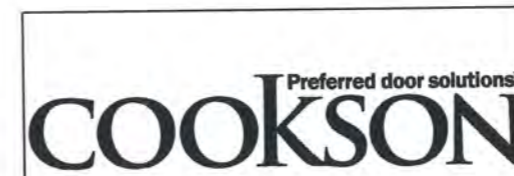
CP0020 - 0.0236 Minimum Thickness Galvanized or Stainless Steel - 40 PSF																							
Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																							
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Tru-Bolt				Powers Wedge-Bolt			
								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'-5"	N/A	N/A	N/A	333*	N/A	3/8	24	36	2 3/8	4	4 9/16	33	2 5/8	3 15/16	4 9/16	34	3	4 1/2	4 9/16	26	2	3	4 9/16
5'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	19	2 5/8	3 15/16	5 3/4	19	3	4 1/2	5 3/4	15	2	3	5 3/4
14'-5"	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	N/A				N/A			
15'-5"	1 1/2	0.656	CP1152	445	9	5/8	18	36	4 3/8	8	6 13/16	14	4 1/2	6 3/4	6 13/16	13	7 1/2	11 1/4	6 13/16	9	4	6	6 13/16
16'-5"	1 5/8	0.781	CP1152	445	9	5/8	18	36	4 3/8	8	6 13/16	14	4 1/2	6 3/4	6 13/16	12	7 1/2	11 1/4	6 13/16	9	4	6	6 13/16
17'-5"	1 7/8	1.031	CP1152	445	9	5/8	18	36	4 3/8	8	6 13/16	14	4 1/2	6 3/4	6 13/16	13	7 1/2	11 1/4	6 13/16	9	4	6	6 13/16
18'-5"	2	1.156	CP1152	445	9	5/8	18	36	4 3/8	8	6 13/16	13	4 1/2	6 3/4	6 13/16	12	7 1/2	11 1/4	6 13/16	8	4	6	6 13/16
19'-5"	2	1.156	CP1152	445	8	5/8	18	28	4 3/8	8	6 13/16	12	4 1/2	6 3/4	6 13/16	11	7 1/2	11 1/4	6 13/16	8	4	6	6 13/16
20'-5"	2	1.156	CP1152 & CP1153	445	8	5/8	18	N/A				11	4 1/2	6 3/4	6 13/16	N/A				7	4	6	6 13/16
21'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				10	4 1/2	6 3/4	6 7/8	N/A				9	5	7 1/2	6 7/8
22'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				10	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8
23'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				9	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8
24'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	17	N/A				8	4 1/2	6 3/4	6 7/8	N/A				7	5	7 1/2	6 7/8
25'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	16	N/A				8	4 1/2	6 3/4	6 7/8	N/A				N/A			
26'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
27'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
28'-5"	2	1.156	CP1152 & CP1153	648	6	3/4	18	N/A				6	4 1/2	6 3/4	6 7/8	N/A				N/A			
29'-5"	2 1/2	1.656	CP1152 & CP1153	648	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			
30'-5"	2 1/2	1.656	CP1152 & CP1153	648	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			
31'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	8	6 5/8	9 15/16	7 1/2	N/A			
32'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2	N/A			
33'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	17	N/A				7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2	N/A			
34'-5"	2 1/2	1.656	CP1152 & CP1153	648	5	3/4	17	N/A				7	5	7 1/2	7 1/2	N/A				N/A			



	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ	Unless otherwise specified, dimensions are in inches & tolerances are: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG
	P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM	TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0236 Minimum Thickness Galvanized or Stainless Steel - 40 PSF, Cont.																					
DBG Up To	Filled CMU												Steel (Wall anchors are the same diameter as assembly fasteners)					Superimposed Loads			
	Hilti Kwik Bolt 3				Simpson Strong-Bolt 2				Through Bolt				Welded		Through Bolt	Tapped		Vx (+)	Vy (+)	Vx (-)	Vy (-)
	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					
5'-5"	19	3/8	2 1/2	4 9/16	13	3/8	2 5/8	4 9/16	33	3/8	4 9/16	36	7/16 x 5/8	36	36	3/16	0	110	0	109	
5'-5"	10	3/8	2 1/2	5 3/4	9	1/2	3 1/2	5 3/4	19	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	110	0	109	
14'-5"	N/A				N/A				8	1/2	5 3/4	12	9/16 x 3/4	12	12	1/4	1117	290	1103	291	
15'-5"	N/A				N/A				14	5/8	6 13/16	36	11/16 x 7/8	36	21	5/16	1300	310	1284	312	
16'-5"	N/A				N/A				14	5/8	6 13/16	36	11/16 x 7/8	36	20	5/16	1333	330	1318	331	
17'-5"	N/A				N/A				14	5/8	6 13/16	36	11/16 x 7/8	36	21	5/16	1273	349	1262	350	
18'-5"	N/A				N/A				13	5/8	6 13/16	36	11/16 x 7/8	36	20	5/16	1327	369	1317	370	
19'-5"	N/A				N/A				12	5/8	6 13/16	33	11/16 x 7/8	33	18	5/16	1464	389	1454	390	
20'-5"	N/A				N/A				11	5/8	6 13/16	30	11/16 x 7/8	30	17	5/16	1603	409	1592	411	
21'-5"	N/A				N/A				10	5/8	6 7/8	26	11/16 x 7/8	26	14	5/16	1742	430	1732	431	
22'-5"	N/A				N/A				10	5/8	6 7/8	24	11/16 x 7/8	24	13	5/16	1883	450	1873	452	
23'-5"	N/A				N/A				9	5/8	6 7/8	23	11/16 x 7/8	23	12	5/16	2026	471	2016	472	
24'-5"	N/A				N/A				8	5/8	6 7/8	21	11/16 x 7/8	21	11	5/16	2171	491	2160	493	
25'-5"	N/A				N/A				8	5/8	6 7/8	20	11/16 x 7/8	20	11	5/16	2317	512	2306	513	
26'-5"	N/A				N/A				7	5/8	6 7/8	19	11/16 x 7/8	19	10	5/16	2465	533	2455	534	
27'-5"	N/A				N/A				7	5/8	6 7/8	17	11/16 x 7/8	17	9	5/16	2616	553	2605	555	
28'-5"	N/A				N/A				6	3/4	6 7/8	36	11/16 x 7/8	36	21	3/8	2294	570	2285	571	
29'-5"	N/A				N/A				9	3/4	7 1/2	36	13/16 x 1	36	19	3/8	2424	591	2414	592	
30'-5"	N/A				N/A				9	3/4	7 1/2	34	13/16 x 1	34	18	3/8	2556	612	2546	612	
31'-5"	N/A				N/A				8	3/4	7 1/2	33	13/16 x 1	33	18	3/8	2689	632	2679	633	
32'-5"	N/A				N/A				8	3/4	7 1/2	31	13/16 x 1	31	17	3/8	2824	653	2814	654	
33'-5"	N/A				N/A				7	3/4	7 1/2	30	13/16 x 1	30	16	3/8	2960	674	2950	674	
34'-5"	N/A				N/A				7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	3099	694	3089	695	



24 ELMWOOD AVE 1901 S. LITCHFIELD RD
MOUNTAINTOP, PA GOODYEAR, AZ

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

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

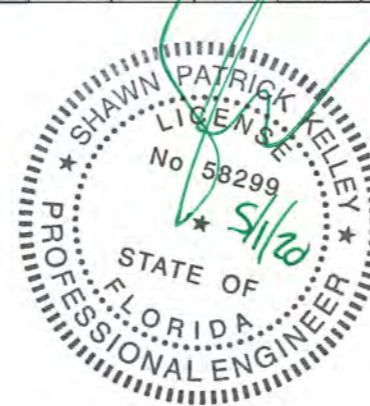
TITLE: WIND LOAD CONFIGURATION
NON-INSULATED ROLLING STEEL DOOR
CP0020 SLAT NON-IMPACT RATED

DRAWN BY: TJE
SIZE: B
SCALE: AS NOTED
SHEET: 25/53
DWG NO: ES-16-62-TCCI

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0236 Minimum Thickness Galvanized or Stainless Steel - 50 PSF																							
Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																							
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Tru-Bolt				Powers Wedge-Bolt			
								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'-5"	N/A	N/A	N/A	333*	N/A	3/8	24	36	2 3/8	4	4 9/16	26	2 5/8	3 15/16	4 9/16	27	3	4 1/2	4 9/16	21	2	3	4 9/16
5'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	15	2 5/8	3 15/16	5 3/4	15	3	4 1/2	5 3/4	30	3 1/2	0	5 3/4
14'-5"	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	N/A				N/A			
15'-5"	1 1/2	0.656	CP1152 & CP1153	445	8	5/8	18	N/A				11	4 1/2	6 3/4	6 13/16	N/A				N/A			
16'-5"	1 5/8	0.781	CP1152 & CP1153	445	7	5/8	18	N/A				11	4 1/2	6 3/4	6 13/16	N/A				N/A			
17'-5"	1 7/8	1.031	CP1152 & CP1153	445	8	5/8	18	N/A				11	4 1/2	6 3/4	6 13/16	N/A				N/A			
18'-5"	2	1.156	CP1152 & CP1153	546	8	5/8	18	N/A				11	4 1/2	6 3/4	6 7/8	N/A				N/A			
19'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				10	4 1/2	6 3/4	6 7/8	N/A				N/A			
20'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	17	N/A				9	4 1/2	6 3/4	6 7/8	N/A				N/A			
21'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	16	N/A				8	4 1/2	6 3/4	6 7/8	N/A				N/A			
22'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
23'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
24'-5"	2	1.156	CP1152 & CP1153	648	6	3/4	18	N/A				6	4 1/2	6 3/4	6 7/8	N/A				N/A			
25'-5"	2 1/2	1.656	CP1152 & CP1153	648	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			
26'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	9	6 5/8	9 15/16	7 1/2	N/A			
27'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2	N/A			
28'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				7	5	7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2	N/A			
29'-5"	2 1/2	1.656	CP1152 & CP1153	648	5	3/4	17	N/A				7	5	7 1/2	7 1/2	N/A				N/A			

CP0020 - 0.0236 Minimum Thickness Galvanized or Stainless Steel - 50 PSF, Cont.																					
DBG Up To	Filled CMU												Steel (Wall anchors are the same diameter as assembly fasteners)					Superimposed Loads			
	Hilti Kwik Bolt 3				Simpson Strong-Bolt 2				Through Bolt				Welded		Through Bolt	Tapped		Vx (+)	Vy (+)	Vx (-)	Vy (-)
	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					
5'-5"	15	3/8	2 1/2	4 9/16	10	3/8	2 5/8	4 9/16	26	3/8	4 9/16	36	7/16 x 5/8	36	36	3/16	0	137	0	136	
5'-5"	8	3/8	2 1/2	5 3/4	14	3/4	5 1/4	5 3/4	15	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	138	0	136	
14'-5"	N/A				N/A				8	1/2	5 3/4	12	9/16 x 3/4	12	12	1/4	1461	363	1443	364	
15'-5"	N/A				N/A				11	5/8	6 13/16	29	11/16 x 7/8	29	16	5/16	1682	389	1662	390	
16'-5"	N/A				N/A				11	5/8	6 13/16	28	11/16 x 7/8	28	15	5/16	1716	413	1698	415	
17'-5"	N/A				N/A				11	5/8	6 13/16	30	11/16 x 7/8	30	16	5/16	1635	437	1621	438	
18'-5"	N/A				N/A				11	5/8	6 7/8	27	11/16 x 7/8	27	15	5/16	1698	461	1685	463	
19'-5"	N/A				N/A				10	5/8	6 7/8	25	11/16 x 7/8	25	13	5/16	1865	487	1853	488	
20'-5"	N/A				N/A				9	5/8	6 7/8	23	11/16 x 7/8	23	12	5/16	2035	512	2023	514	
21'-5"	N/A				N/A				8	5/8	6 7/8	21	11/16 x 7/8	21	11	5/16	2207	538	2194	540	
22'-5"	N/A				N/A				7	5/8	6 7/8	19	11/16 x 7/8	19	10	5/16	2380	564	2368	565	
23'-5"	N/A				N/A				7	5/8	6 7/8	18	11/16 x 7/8	18	10	5/16	2557	589	2544	591	
24'-5"	N/A				N/A				6	3/4	6 7/8	36	11/16 x 7/8	36	21	3/8	2262	612	2250	612	
25'-5"	N/A				N/A				9	3/4	7 1/2	36	13/16 x 1	36	19	3/8	2414	637	2402	638	
26'-5"	N/A				N/A				8	3/4	7 1/2	34	13/16 x 1	34	18	3/8	2569	663	2557	664	
27'-5"	N/A				N/A				8	3/4	7 1/2	32	13/16 x 1	32	17	3/8	2725	688	2713	689	
28'-5"	N/A				N/A				7	3/4	7 1/2	30	13/16 x 1	30	16	3/8	2884	714	2872	715	
29'-5"	N/A				N/A				7	3/4	7 1/2	29	13/16 x 1	29	15	3/8	3045	740	3033	741	



	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ	Unless otherwise specified, dimensions are in inches & tolerances are: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG
	P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM	
TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED	DRAWN BY: TJE DWG NO: ES-16-62-TCCI	SIZE: B SCALE: AS NOTED SHEET: 26/53

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0236 Minimum Thickness Galvanized or Stainless Steel - 60 PSF																							
Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																							
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Tru-Bolt				Powers Wedge-Bolt			
								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
4'-5"	N/A	N/A	N/A	333*	N/A	3/8	24	36	2 3/8	4	4 9/16	27	2 5/8	3 15/16	4 9/16	28	3	4 1/2	4 9/16	21	2	3	4 9/16
4'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	15	2 5/8	3 15/16	5 3/4	16	3	4 1/2	5 3/4	31	3 1/2	5 1/4	5 3/4
14'-5"	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	N/A				N/A			
15'-5"	1 1/2	0.656	CP1152 & CP1153	546	7	5/8	18	N/A				9	4 1/2	6 3/4	6 7/8	N/A				8	2 1/2	3 3/4	6 7/8
16'-5"	1 5/8	0.781	CP1152 & CP1153	546	7	5/8	18	N/A				9	4 1/2	6 3/4	6 7/8	N/A				7	2 1/2	3 3/4	6 7/8
17'-5"	1 7/8	1.031	CP1152 & CP1153	546	7	5/8	18	N/A				9	4 1/2	6 3/4	6 7/8	N/A				8	2 1/2	3 3/4	6 7/8
18'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	17	N/A				9	4 1/2	6 3/4	6 7/8	N/A				7	2 1/2	3 3/4	6 7/8
19'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	16	N/A				8	4 1/2	6 3/4	6 7/8	N/A				N/A			
20'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
21'-5"	2	1.156	CP1152 & CP1153	648	7	3/4	18	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
22'-5"	2 1/2	1.656	CP1152 & CP1153	648	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			
23'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	9	6 5/8	9 15/16	7 1/2	N/A			
24'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2	N/A			
25'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	17	N/A				7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2	N/A			
26'-5"	2 1/2	1.656	CP1152 & CP1153	648	5	3/4	16	N/A				7	5	7 1/2	7 1/2	N/A				N/A			

CP0020 - 0.0236 Minimum Thickness Galvanized or Stainless Steel - 60 PSF, Cont.																				
DBG Up To	Filled CMU								Steel (Wall anchors are the same diameter as assembly fasteners)						Superimposed Loads					
	Hilti Kwik Bolt 3				Simpson Strong-Bolt 2				Through Bolt			Welded		Through Bolt	Tapped		Vx (+)	Vy (+)	Vx (-)	Vy (-)
	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				
4'-5"	15	3/8	1 5/8	4 9/16	10	3/8	2 5/8	4 9/16	27	3/8	4 9/16	36	7/16 x 5/8	36	36	3/16	0	135	0	133
4'-5"	8	3/8	2 1/2	5 3/4	14	3/4	5 1/4	5 3/4	15	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	135	0	133
14'-5"	N/A				N/A				8	1/2	5 3/4	12	9/16 x 3/4	12	12	1/4	1804	437	1784	437
15'-5"	N/A				N/A				9	5/8	6 7/8	22	11/16 x 7/8	22	12	5/16	2064	467	2040	469
16'-5"	N/A				N/A				9	5/8	6 7/8	22	11/16 x 7/8	22	12	5/16	2099	496	2078	498
17'-5"	N/A				N/A				9	5/8	6 7/8	23	11/16 x 7/8	23	13	5/16	1997	524	1981	526
18'-5"	N/A				N/A				9	5/8	6 7/8	22	11/16 x 7/8	22	12	5/16	2068	554	2054	556
19'-5"	N/A				N/A				8	5/8	6 7/8	20	11/16 x 7/8	20	11	5/16	2267	585	2252	587
20'-5"	N/A				N/A				7	5/8	6 7/8	19	11/16 x 7/8	19	10	5/16	2468	615	2453	617
21'-5"	N/A				N/A				7	3/4	6 7/8	36	11/16 x 7/8	36	21	3/8	2203	643	2189	644
22'-5"	N/A				N/A				9	3/4	7 1/2	36	13/16 x 1	36	20	3/8	2377	673	2363	674
23'-5"	N/A				N/A				8	3/4	7 1/2	34	13/16 x 1	34	18	3/8	2553	704	2539	705
24'-5"	N/A				N/A				8	3/4	7 1/2	32	13/16 x 1	32	17	3/8	2732	735	2718	736
25'-5"	N/A				N/A				7	3/4	7 1/2	30	13/16 x 1	30	16	3/8	2913	766	2899	766
26'-5"	N/A				N/A				7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	3097	796	3083	797



	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ	Unless otherwise specified, dimensions are in inches & tolerances are:
	P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM	0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG
TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED	DRAWN BY: TJE DWG NO: ES-16-62-TCCI	SIZE: B SCALE: AS NOTED SHEET: 27/53

L/TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0236 Minimum Thickness Galvanized or Stainless Steel - 65 PSF																							
Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																							
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Tru-Bolt				Powers Wedge-Bolt			
								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
4'-5"	N/A	N/A	N/A	333*	N/A	3/8	24	36	2 3/8	4	4 9/16	25	2 5/8	3 15/16	4 9/16	26	3	4 1/2	4 9/16	20	2	3	4 9/16
4'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	14	2 5/8	3 15/16	5 3/4	14	3	4 1/2	5 3/4	28	3 1/2	5 1/4	5 3/4
14'-5"	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	N/A				N/A			
15'-5"	1 1/2	0.656	CP1152 & CP1153	546	6	5/8	17	N/A				8	4 1/2	6 3/4	6 7/8	N/A				N/A			
16'-5"	1 5/8	0.781	CP1152 & CP1153	546	6	5/8	16	N/A				8	4 1/2	6 3/4	6 7/8	N/A				N/A			
17'-5"	1 3/4	0.906	CP1152 & CP1153	546	6	5/8	16	N/A				8	4 1/2	6 3/4	6 7/8	N/A				N/A			
18'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	16	N/A				8	4 1/2	6 3/4	6 7/8	N/A				N/A			
19'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
20'-5"	2 3/8	1.531	CP1152 & CP1153	648	6	3/4	18	N/A				9	5	7 1/2	7 1/2	N/A				N/A			
21'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				9	5	7 1/2	7 1/2	N/A				N/A			
22'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	N/A				N/A			
23'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	N/A				N/A			
24'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	17	N/A				7	5	7 1/2	7 1/2	N/A				N/A			

CP0020 - 0.0236 Minimum Thickness Galvanized or Stainless Steel - 65 PSF, Cont.																						
DBG Up To	Filled CMU												Steel (Wall anchors are the same diameter as assembly fasteners)						Superimposed Loads			
	Hilti Kwik Bolt 3				Simpson Strong-Bolt 2				Through Bolt				Welded		Through Bolt	Tapped		Vx (+)	Vy (+)	Vx (-)	Vy (-)	
	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						
4'-5"	14	3/8	1 5/8	4 9/16	10	3/8	2 5/8	4 9/16	25	3/8	4 9/16	36	7/16 x 5/8	36	36	3/16	0	146	0	144		
4'-5"	8	3/8	2 1/2	5 3/4	13	3/4	5 1/4	5 3/4	14	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	147	0	144		
14'-5"	N/A				N/A				8	1/2	5 3/4	12	9/16 x 3/4	12	12	1/4	1976	473	1955	474		
15'-5"	N/A				N/A				8	5/8	6 7/8	20	11/16 x 7/8	20	11	5/16	2255	506	2229	508		
16'-5"	N/A				N/A				8	5/8	6 7/8	20	11/16 x 7/8	20	11	5/16	2291	538	2268	540		
17'-5"	N/A				N/A				8	5/8	6 7/8	20	11/16 x 7/8	20	11	5/16	2341	570	2321	572		
18'-5"	N/A				N/A				8	5/8	6 7/8	20	11/16 x 7/8	20	11	5/16	2254	600	2238	602		
19'-5"	N/A				N/A				7	5/8	6 7/8	19	11/16 x 7/8	19	10	5/16	2467	634	2452	636		
20'-5"	N/A				N/A				9	3/4	7 1/2	36	13/16 x 1	36	20	3/8	2309	665	2293	665		
21'-5"	N/A				N/A				9	3/4	7 1/2	36	13/16 x 1	36	19	3/8	2396	697	2382	697		
22'-5"	N/A				N/A				8	3/4	7 1/2	34	13/16 x 1	34	18	3/8	2583	730	2569	731		
23'-5"	N/A				N/A				8	3/4	7 1/2	31	13/16 x 1	31	17	3/8	2774	763	2759	764		
24'-5"	N/A				N/A				7	3/4	7 1/2	29	13/16 x 1	29	16	3/8	2967	796	2952	797		



	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ	Unless otherwise specified, dimensions are in inches & tolerances are:
	P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM	0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG
TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED	DRAWN BY: TJE SIZE: B SCALE: AS NOTED SHEET: 28/53	DWG NO: ES-16-62-TCCI

L/TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0296 Minimum Thickness Galvanized or Stainless Steel - 20 PSF																							
Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																							
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Tru-Bolt				Powers Wedge-Bolt			
								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
9'-5"	N/A	N/A	N/A	333*	N/A	3/8	24	36	2 3/8	4	4 9/16	36	2 5/8	3 15/16	4 9/16	36	3	4 1/2	4 9/16	30	2	3	4 9/16
9'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	22	2 5/8	3 15/16	5 3/4	22	3	4 1/2	5 3/4	36	3 1/2	5 1/4	5 3/4
13'-5"	1 5/16	0.532	CP1151	333	12	3/8	18	36	2 3/8	4	5 3/16	16	2 5/8	3 15/16	5 3/16	16	3	4 1/2	5 3/16	20	3 1/2	5 1/4	5 3/16
13'-5"	1 5/16	0.532	CP1151	344	12	1/2	18	36	2 1/4	4	5 3/4	36	4 1/2	6 3/4	5 3/4	30	4 1/8	6 3/16	5 3/4	25	3 1/2	5 1/4	5 3/4
14'-5"	1 7/16	0.657	CP1151	333	12	3/8	18	36	2 3/8	4	5 3/16	14	2 5/8	3 15/16	5 3/16	14	3	4 1/2	5 3/16	18	3 1/2	5 1/4	5 3/16
14'-5"	1 7/16	0.657	CP1151	344	12	1/2	18	36	2 1/4	4	5 3/4	33	4 1/2	6 3/4	5 3/4	26	4 1/8	6 3/16	5 3/4	22	3 1/2	5 1/4	5 3/4
15'-5"	1 1/2	0.719	CP1151	333	12	3/8	18	22	2 3/8	5	5 3/16	11	2 5/8	3 15/16	5 3/16	11	3	4 1/2	5 3/16	7	2	3	5 3/16
15'-5"	1 1/2	0.719	CP1151	344	12	1/2	18	22	2 1/4	4	5 3/4	27	4 1/2	6 3/4	5 3/4	22	4 1/8	6 3/16	5 3/4	12	2 1/2	3 3/4	5 3/4
16'-5"	1 1/2	0.719	CP1151	333	12	3/8	18	N/A				9	2 5/8	3 15/16	5 3/16	9	3	4 1/2	5 3/16	6	2	3	5 3/16
16'-5"	1 1/2	0.719	CP1151	344	12	1/2	18	36	3 5/8	6	5 3/4	23	4 1/2	6 3/4	5 3/4	18	4 1/8	6 3/16	5 3/4	10	2 1/2	3 3/4	5 3/4
17'-5"	1 1/2	0.719	CP1151	334	12	3/8	15	N/A				9	2 5/8	3 15/16	5 7/16	9	3	4 1/2	5 7/16	5	2	3	5 7/16
17'-5"	1 1/2	0.719	CP1151	344	12	1/2	18	36	3 5/8	6	5 3/4	19	4 1/2	6 3/4	5 3/4	16	4 1/8	6 3/16	5 3/4	8	2 1/2	3 3/4	5 3/4
18'-5"	1 1/2	0.719	CP1151	334	12	3/8	14	N/A				8	2 5/8	3 15/16	5 7/16	8	3	4 1/2	5 7/16	5	2	3	5 7/16
18'-5"	1 1/2	0.719	CP1151	344	12	1/2	18	36	3 5/8	6	5 3/4	17	4 1/2	6 3/4	5 3/4	14	4 1/8	6 3/16	5 3/4	7	2 1/2	3 3/4	5 3/4
19'-5"	1 1/2	0.719	CP1151	334	11	3/8	12	N/A				7	2 5/8	3 15/16	5 7/16	7	3	4 1/2	5 7/16	5	2 1/2	3 3/4	5 7/16
19'-5"	1 1/2	0.719	CP1151	344	11	1/2	18	36	3 5/8	6	5 3/4	15	4 1/2	6 3/4	5 3/4	12	4 1/8	6 3/16	5 3/4	7	2 1/2	3 3/4	5 3/4
20'-5"	1 1/2	0.656	CP1152	334	10	3/8	11	N/A				6	2 5/8	3 15/16	5 7/16	6	3	4 1/2	5 7/16	4	2 1/2	3 3/4	5 7/16
20'-5"	1 1/2	0.656	CP1152	344	10	1/2	18	22	3 5/8	6	5 3/4	13	4 1/2	6 3/4	5 3/4	10	4 1/8	6 3/16	5 3/4	6	2 1/2	3 3/4	5 3/4
21'-5"	1 1/2	0.656	CP1152	334	9	3/8	10	N/A				5	2 5/8	3 15/16	5 7/16	N/A				6	3 1/2	5 1/4	5 7/16
21'-5"	1 1/2	0.656	CP1152	344	9	1/2	18	36	3 5/8	8	5 3/4	12	4 1/2	6 3/4	5 3/4	9	4 1/8	6 3/16	5 3/4	8	3 1/2	5 1/4	5 3/4
22'-5"	1 1/2	0.656	CP1152	344	9	1/2	18	22	3 5/8	8	5 3/4	11	4 1/2	6 3/4	5 3/4	9	4 1/8	6 3/16	5 3/4	7	3 1/2	5 1/4	5 3/4
23'-5"	2	1.156	CP1152	444	10	5/8	18	36	4 3/8	6	6 1/4	17	4 1/2	6 3/4	6 1/4	14	5 1/8	7 11/16	6 1/4	10	4	6	6 1/4
24'-5"	2	1.156	CP1152	444	10	5/8	18	28	4 3/8	6	6 1/4	15	4 1/2	6 3/4	6 1/4	13	5 1/8	7 11/16	6 1/4	9	4	6	6 1/4
25'-5"	2	1.156	CP1152	444	9	5/8	18	19	4 3/8	6	6 1/4	14	4 1/2	6 3/4	6 1/4	12	5 1/8	7 11/16	6 1/4	9	4	6	6 1/4
26'-5"	2	1.156	CP1152	445	9	5/8	18	28	4 3/8	6	6 13/16	15	4 1/2	6 3/4	6 13/16	14	7 1/2	11 1/4	6 13/16	10	4	6	6 13/16
27'-5"	2	1.156	CP1152	445	9	5/8	18	22	4 3/8	6	6 13/16	14	4 1/2	6 3/4	6 13/16	13	7 1/2	11 1/4	6 13/16	9	4	6	6 13/16
28'-5"	2	1.156	CP1152	445	9	5/8	18	36	4 3/8	8	6 13/16	14	4 1/2	6 3/4	6 13/16	12	7 1/2	11 1/4	6 13/16	9	4	6	6 13/16
29'-5"	2	1.156	CP1152	445	8	5/8	18	36	4 3/8	8	6 13/16	13	4 1/2	6 3/4	6 13/16	12	7 1/2	11 1/4	6 13/16	8	4	6	6 13/16
30'-5"	2	1.156	CP1152	445	8	5/8	18	28	4 3/8	8	6 13/16	12	4 1/2	6 3/4	6 13/16	11	7 1/2	11 1/4	6 13/16	8	4	6	6 13/16
31'-5"	2	1.156	CP1152	445	8	5/8	18	N/A				12	4 1/2	6 3/4	6 13/16	N/A				7	4	6	6 13/16
32'-5"	2	1.156	CP1152 & CP1153	445	8	5/8	18	N/A				11	4 1/2	6 3/4	6 13/16	N/A				9	5	7 1/2	6 13/16
33'-5"	2	1.156	CP1152 & CP1153	445	7	5/8	18	N/A				10	4 1/2	6 3/4	6 13/16	N/A				9	5	7 1/2	6 13/16
34'-5"	2	1.156	CP1152 & CP1153	445	7	5/8	18	N/A				10	4 1/2	6 3/4	6 13/16	N/A				9	5	7 1/2	6 13/16
35'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				10	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8
36'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				9	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8
37'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				9	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8
38'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	17	N/A				8	4 1/2	6 3/4	6 7/8	N/A				7	5	7 1/2	6 7/8
39'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	17	N/A				8	4 1/2	6 3/4	6 7/8	N/A				N/A			
40'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	16	N/A				8	4 1/2	6 3/4	6 7/8	N/A				N/A			



	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ		Unless otherwise specified, dimensions are in inches & tolerances are:		
	P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM		0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG		
TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED		DRAWN BY: TJE	SIZE: B	SCALE: AS NOTED	SHEET: 29/53
		DWG NO: ES-16-62-TCCI			

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0296 Minimum Thickness Galvanized or Stainless Steel - 20 PSF, Cont.																																			
DBG Up To	Filled CMU									Cracked Concrete Minimum 3,000 PSI Compressive Strength															Steel (Wall anchors are the same diameter as assembly fasteners)			Superimposed Loads							
	Hilti Kwik Bolt 3			Simpson Strong-Bolt 2			Through Bolt			Hilti Kwik Bolt TZ					Simpson Strong-Bolt 2					ITW Redhead Trubolt+					Welded		Through Bolt	Tapped		Vx (+)	Vy (+)	Vx (-)	Vy (-)		
	Max O.C.	Dia.	Embed	Edge Dist	Max O.C.	Dia.	Embed	Edge Dist	Max. O.C.	Dia.	Edge Distance	Max O.C.	Dia.	Embed.	Min Wall Thick.	Edge Dist	Max O.C.	Dia.	Embed.	Min Wall Thick.	Edge Dist	Max O.C.	Dia.	Embed.	Min Wall Thick.	Edge Dist	Max O.C.	Slot Size	Max O.C.					Max O.C.	Min. Thickness
9'-5"	9	3/8	1 5/8	4 9/16	15	3/8	2 5/8	4 9/16	36	3/8	4 9/16	36	3/8	2 5/16	4	4 9/16	36	3/8	1 7/8	3 1/4	4 9/16	36	3/8	2	4	4 9/16	36	7/16 x 5/8	36	36	3/16	0	95	0	95
9'-5"	12	3/8	2 1/2	5 3/4	8	3/8	2 5/8	5 3/4	36	3/8	5 3/4	22 3/4	3/8	2 5/16	4	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	3/8	2	5	5 3/4	36	7/16 x 5/8	36	36	3/16	0	95	0	95
13'-5"	9	3/8	2 1/2	5 3/16	8	1/2	3 1/2	5 3/16	27	3/8	5 3/16	36	1/2	3 5/8	6	5 3/16	36	3/8	2 7/8	4 1/2	5 3/16	28 1/2	1/2	2 1/2	4	5 3/16	36	7/16 x 5/8	36	27	3/16	333	135	323	135
13'-5"	9	1/2	2 1/4	5 3/4	9	1/2	3 1/2	5 3/4	36	1/2	5 3/4	36	1/2	3 5/8	6	5 3/4	36	1/2	2 3/4	4 1/2	5 3/4	36	1/2	2 1/2	4	5 3/4	36	9/16 x 3/4	36	36	1/4	335	135	323	135
14'-5"	8	3/8	2 1/2	5 3/16	12	3/4	5 1/4	5 3/16	23	3/8	5 3/16	36	1/2	3 5/8	6	5 3/16	36	3/8	2 7/8	4 1/2	5 3/16	22 3/4	1/2	3 3/4	6	5 3/16	36	7/16 x 5/8	36	23	3/16	380	145	372	145
14'-5"	8	1/2	2 1/4	5 3/4	8	1/2	3 1/2	5 3/4	35	1/2	5 3/4	36	1/2	3 5/8	6	5 3/4	36	1/2	2 3/4	4 1/2	5 3/4	36	1/2	2 1/2	4	5 3/4	36	9/16 x 3/4	36	35	1/4	382	145	372	145
15'-5"	8	1/2	3 1/2	5 3/16	10	3/4	5 1/4	5 3/16	19	3/8	5 3/16	16 1/4	1/2	3 5/8	6	5 3/16	36	1/2	3 7/8	6	5 3/16	22 3/4	1/2	3 3/4	8	5 3/16	30	7/16 x 5/8	30	19	3/16	456	155	449	155
15'-5"	10	1/2	3 1/2	5 3/4	12	3/4	5 1/4	5 3/4	30	1/2	5 3/4	36	1/2	3 5/8	6	5 3/4	36	1/2	2 3/4	4 1/2	5 3/4	22 3/4	1/2	3 3/4	6	5 3/4	36	9/16 x 3/4	36	30	1/4	458	155	449	155
16'-5"	10	3/4	4 3/8	5 3/16	8	3/4	5 1/4	5 3/16	16	3/8	5 3/16	19	1/2	3 5/8	8	5 3/16	28 1/2	3/4	4 1/8	6 3/4	5 3/16	28 1/2	3/4	4 3/8	7	5 3/16	24	7/16 x 5/8	24	16	3/16	559	165	551	165
16'-5"	8	1/2	3 1/2	5 3/4	10	3/4	5 1/4	5 3/4	24	1/2	5 3/4	36	1/2	3 5/8	8	5 3/16	28 1/2	3/4	4 1/8	6 3/4	5 3/16	22 3/4	3/4	4 3/8	7	5 7/16	21	7/16 x 5/8	21	13	3/16	658	175	651	175
17'-5"	10	3/4	4 3/8	5 7/16	8	3/4	5 1/4	5 7/16	13	3/8	5 7/16	36	3/4	5 9/16	8	5 7/16	22 3/4	3/4	4 1/8	6 3/4	5 7/16	22 3/4	3/4	4 3/8	7	5 3/4	36	9/16 x 3/4	36	21	1/4	659	175	651	175
17'-5"	8	3/4	3 1/4	5 3/4	8	3/4	5 1/4	5 3/4	21	1/2	5 3/4	22 3/4	1/2	3 5/8	8	5 3/4	36	3/4	4 1/8	6 3/4	5 3/4	36	3/4	4 3/8	7	5 3/4	36	9/16 x 3/4	36	21	1/4	659	175	651	175
18'-5"	9	3/4	4 3/8	5 7/16					12	3/8	5 7/16	36	3/4	5 9/16	8	5 7/16	36	3/4	5 3/4	8 3/4	5 7/16	28 1/2	3/4	4 3/8	8	5 7/16	18	7/16 x 5/8	18	12	3/16	756	185	749	185
18'-5"	9	3/4	4 3/8	5 3/4					18	1/2	5 3/4	36	3/4	5 9/16	8	5 3/4	36	3/4	5 3/4	8 3/4	5 3/4	19	3/4	4 3/8	7	5 3/4	33	9/16 x 3/4	33	18	1/4	757	185	749	185
19'-5"	8	3/4	4 3/8	5 7/16					10	3/8	5 7/16	22 3/4	3/4	5 9/16	8	5 7/16	36	3/4	5 3/4	8 3/4	5 7/16						16	7/16 x 5/8	16	10	3/16	852	195	845	196
19'-5"	8	3/4	4 3/8	5 3/4					16	1/2	5 3/4	36	3/4	5 9/16	8	5 3/4	36	3/4	5 3/4	8 3/4	5 3/4	22 3/4	3/4	4 3/8	8	5 3/4	29	9/16 x 3/4	29	16	1/4	853	195	845	196
20'-5"		N/A							9	3/8	5 7/16			N/A													13	7/16 x 5/8	13	9	3/16	1000	206	993	206
20'-5"		N/A							14	1/2	5 3/4			N/A													25	9/16 x 3/4	25	14	1/4	1001	206	993	206
21'-5"		N/A							8	3/8	5 7/16			N/A													12	7/16 x 5/8	12	8	3/16	1098	216	1092	216
21'-5"		N/A							12	1/2	5 3/4			N/A													22	9/16 x 3/4	22	12	1/4	1099	216	1092	216
22'-5"		N/A							11	1/2	5 3/4			N/A													21	9/16 x 3/4	21	11	1/4	1199	226	1191	227
23'-5"		N/A							23	5/8	6 1/4			N/A			36	3/4	5 3/4	8 3/4	6 1/4	22 3/4	5/8	4 3/4	6 1/4	6 1/4	36	11/16 x 7/8	36	23	5/16	946	235	941	235
24'-5"		N/A							22	5/8	6 1/4			N/A													36	11/16 x 7/8	36	22	5/16	1024	245	1018	245
25'-5"		N/A							20	5/8	6 1/4			N/A													36	11/16 x 7/8	36	20	5/16	1102	255	1096	255
26'-5"		N/A							23	5/8	6 13/16			N/A			36	3/4	5 3/4	8 3/4	6 13/16					36	11/16 x 7/8	36	23	5/16	1180	265	1175	266	
27'-5"		N/A							21	5/8	6 13/16			N/A													36	11/16 x 7/8	36	21	5/16	1260	275	1254	276
28'-5"		N/A							20	5/8	6 13/16			N/A													36	11/16 x 7/8	36	20	5/16	1339	285	1333	286
29'-5"		N/A							19	5/8	6 13/16			N/A													34	11/16 x 7/8	34	19	5/16	1420	295	1414	296
30'-5"		N/A							18	5/8	6 13/16			N/A													32	11/16 x 7/8	32	18	5/16	1501	306	1495	306
31'-5"		N/A							17	5/8	6 13/16			N/A													31	11/16 x 7/8	31	17	5/16	1583	316	1577	317
32'-5"		N/A							16	5/8	6 13/16			N/A													29	11/16 x 7/8	29	16	5/16	1666	326	1660	327
33'-5"		N/A							15	5/8	6 13/16			N/A													28	11/16 x 7/8	28	15	5/16	1749	336	1743	337
34'-5"		N/A							14	5/8	6 13/16			N/A													26	11/16 x 7/8	26	14	5/16	1834	347	1828	347
35'-5"		N/A							13	5/8	6 7/8			N/A													24	11/16 x 7/8	24	13	5/16	1920	357	1913	358
36'-5"		N/A							12	5/8	6 7/8			N/A													23	11/16 x 7/8	23	12	5/16	2006	367	2000	368
37'-5"		N/A							12	5/8	6 7/8			N/A													22	11/16 x 7/8	22	12	5/16	2093	378	2087	378
38'-5"		N/A							11	5/8	6 7/8			N/A													21	11/16 x 7/8	21	11	5/16	2182	388	2175	389
39'-5"		N/A							11	5/8	6 7/8			N/A													20	11/16 x 7/8	20	11	5/16	2271	398	2265	399
40'-5"		N/A							10	5/8	6 7/8			N/A													19	11/16 x 7/8	19	10	5/16	2361	409	2355	409



24 ELMWOOD AVE 1901 S. LITCHFIELD RD
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Unless otherwise specified, dimensions are in inches & tolerances are:
0.000 = +/- 0.031
FRACTIONAL = +/- 1/32
ANGLES = +/- 1/2 DEG

TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED	DRAWN BY: TJE	SIZE: B	SCALE: AS NOTED	SHEET: 30/53
DWG NO: ES-16-62-TCCI				

L/TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0296 Minimum Thickness Galvanized or Stainless Steel - 30 PSF																							
Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																							
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Tru-Bolt				Powers Wedge-Bolt			
								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
7'-5"	N/A	N/A	N/A	333*	N/A	3/8	24	36	2 3/8	4	4 9/16	32	2 5/8	3 15/16	4 9/16	33	3	4 1/2	4 9/16	26	2	3	4 9/16
7'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	18	2 5/8	3 15/16	5 3/4	19	3	4 1/2	5 3/4	36	3 1/2	5 1/4	5 3/4
13'-5"	1 5/16	0.532	CP1151	334	12	3/8	15	N/A				8	2 5/8	3 15/16	5 7/16	9	3	4 1/2	5 7/16	11	3 1/2	5 1/4	5 7/16
13'-5"	1 5/16	0.532	CP1151	344	12	1/2	18	36	3 5/8	6	5 3/4	19	4 1/2	6 3/4	5 3/4	15	4 1/8	6 3/16	5 3/4	12	3 1/2	5 1/4	5 3/4
14'-5"	1 7/16	0.657	CP1151	334	12	3/8	14	N/A				8	2 5/8	3 15/16	5 7/16	8	3	4 1/2	5 7/16	10	3 1/2	5 1/4	5 7/16
14'-5"	1 7/16	0.657	CP1151	344	12	1/2	18	36	3 5/8	6	5 3/4	17	4 1/2	6 3/4	5 3/4	14	4 1/8	6 3/16	5 3/4	11	3 1/2	5 1/4	5 3/4
15'-5"	1 1/2	0.719	CP1151	334	11	3/8	12	N/A				7	2 5/8	3 15/16	5 7/16	7	3	4 1/2	5 7/16	4	2	3	5 7/16
15'-5"	1 1/2	0.719	CP1151	344	11	1/2	18	36	3 5/8	6	5 3/4	15	4 1/2	6 3/4	5 3/4	12	4 1/8	6 3/16	5 3/4	7	3 1/2	5 1/4	5 3/4
16'-5"	1 1/2	0.656	CP1152	334	10	3/8	10	N/A				6	2 5/8	3 15/16	5 7/16	6	3	4 1/2	5 7/16	4	2	3	5 7/16
16'-5"	1 1/2	0.656	CP1152	344	10	1/2	18	19	3 5/8	6	5 3/4	12	4 1/2	6 3/4	5 3/4	10	4 1/8	6 3/16	5 3/4	8	3 1/2	5 1/4	5 3/4
17'-5"	1 1/2	0.656	CP1152	344	9	1/2	18	22	3 5/8	8	5 3/4	11	4 1/2	6 3/4	5 3/4	9	4 1/8	6 3/16	5 3/4	7	2 1/2	3 3/4	5 3/4
18'-5"	2	1.156	CP1152	444	10	5/8	18	36	4 3/8	6	6 1/4	16	4 1/2	6 3/4	6 1/4	14	5 1/8	7 11/16	6 1/4	10	5	7 1/2	6 1/4
19'-5"	2	1.156	CP1152	444	10	5/8	18	22	4 3/8	6	6 1/4	15	4 1/2	6 3/4	6 1/4	13	5 1/8	7 11/16	6 1/4	9	5	7 1/2	6 1/4
20'-5"	2	1.156	CP1152	445	9	5/8	18	36	4 3/8	6	6 13/16	16	4 1/2	6 3/4	6 13/16	14	7 1/2	11 1/4	6 13/16	10	5	7 1/2	6 13/16
21'-5"	2	1.156	CP1152	445	9	5/8	18	19	4 3/8	6	6 13/16	14	4 1/2	6 3/4	6 13/16	13	7 1/2	11 1/4	6 13/16	9	5	7 1/2	6 13/16
22'-5"	2	1.156	CP1152	445	8	5/8	18	36	4 3/8	8	6 13/16	13	4 1/2	6 3/4	6 13/16	12	7 1/2	11 1/4	6 13/16	8	5	7 1/2	6 13/16
23'-5"	2	1.156	CP1152	445	8	5/8	18	28	4 3/8	8	6 13/16	12	4 1/2	6 3/4	6 13/16	11	7 1/2	11 1/4	6 13/16	8	5	7 1/2	6 13/16
24'-5"	2	1.156	CP1152	445	8	5/8	18	N/A				11	4 1/2	6 3/4	6 13/16	N/A				7	5	7 1/2	6 13/16
25'-5"	2	1.156	CP1152 & CP1153	445	8	5/8	18	N/A				11	4 1/2	6 3/4	6 13/16	N/A				9	5	7 1/2	6 13/16
26'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				10	4 1/2	6 3/4	6 7/8	N/A				9	5	7 1/2	6 7/8
27'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				9	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8
28'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				9	4 1/2	6 3/4	6 7/8	N/A				8	2 1/2	3 3/4	6 7/8
29'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	17	N/A				8	4 1/2	6 3/4	6 7/8	N/A				7	2 1/2	3 3/4	6 7/8
30'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	16	N/A				8	4 1/2	6 3/4	6 7/8	N/A				N/A			
31'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15	N/A				8	4 1/2	6 3/4	6 7/8	N/A				N/A			
32'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
33'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
34'-5"	2	1.156	CP1152 & CP1153	648	6	3/4	18	N/A				6	4 1/2	6 3/4	6 7/8	N/A				N/A			
35'-5"	2 1/2	1.656	CP1152 & CP1153	648	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			
36'-5"	2 1/2	1.656	CP1152 & CP1153	648	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			
37'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	9	6 5/8	9 15/16	7 1/2	N/A			
38'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	8	6 5/8	9 15/16	7 1/2	N/A			
39'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2	N/A			
40'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				7	5	7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2	N/A			



	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ		Unless otherwise specified, dimensions are in inches & tolerances are:		
	P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM		0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG		
TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED		DRAWN BY: TJE	SIZE: B	SCALE: AS NOTED	SHEET: 31/53
		DWG NO: ES-16-62-TCCI			

L/TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0296 Minimum Thickness Galvanized or Stainless Steel - 30 PSF, Cont.

DBG Up To	Filled CMU												Cracked Concrete Minimum 3,000 PSI Compressive Strength												Steel (Wall anchors are the same diameter as assembly fasteners)						Superimposed Loads																						
	Hilti Kwik Bolt 3				Simpson Strong-Bolt 2				Through Bolt				Hilti Kwik Bolt TZ				Simpson Strong-Bolt 2				ITW Redhead Trubolt+						Welded		Through Bolt		Tapped		Vx (+)	Vy (+)	Vx (-)	Vy (-)																	
	Max O.C.	Dia.	Embed	Edge Dist	Max O.C.	Dia.	Embed	Edge Dist	Max. O.C.	Dia.	Edge Distance	Max O.C.	Dia.	Embed.	Min Wall Thick.	Edge Dist	Max O.C.	Dia.	Embed.	Min Wall Thick.	Edge Dist	Max O.C.	Dia.	Embed.	Min Wall Thick.	Edge Dist	Max O.C.	Slot Size	Max O.C.	Max O.C.	Min. Thickness																						
7'-5"	18	3/8	2 1/2	4 9/16	13	3/8	2 5/8	4 9/16	32	3/8	4 9/16	36	3/8	2 5/16	4	4 9/16	36	3/8	1 7/8	3 1/4	4 9/16	22 3/4	3/8	2	4	4 9/16	36	7/16 x 5/8	36	36	3/16	0	113	0	112																		
7'-5"	10	3/8	2 1/2	5 3/4	9	1/2	3 1/2	5 3/4	18	3/8	5 3/4	10 5/16	3/8	2 5/16	5	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	14 1/4	3/8	2	5	5 3/4	36	7/16 x 5/8	36	36	3/16	0	113	0	112																		
13'-5"	9	3/4	4 3/8	5 7/16	N/A				8	3/8	5 7/16	36	3/4	5 9/16	8	5 7/16	19	3/4	4 1/8	6 3/4	5 7/16	19	3/4	4 3/8	7	5 7/16	20	7/16 x 5/8	20	13	3/16	677	203	664	203																		
13'-5"	11	3/4	4 3/8	5 3/4	8	3/4	5 1/4	5 3/4	19	1/2	5 3/4	19	1/2	3 5/8	8	5 3/4	28 1/2	3/4	4 1/8	6 3/4	5 3/4	36	3/4	4 3/8	7	5 3/4	36	9/16 x 3/4	36	20	1/4	680	203	664	203																		
14'-5"	9	3/4	4 3/8	5 7/16	N/A				8	3/8	5 7/16	36	3/4	5 9/16	8	5 7/16	36	3/4	5 3/4	8 3/4	5 7/16	28 1/2	3/4	4 3/8	8	5 7/16	19	7/16 x 5/8	19	12	3/16	723	217	712	218																		
14'-5"	10	3/4	4 3/8	5 3/4	8	3/4	5 1/4	5 3/4	17	1/2	5 3/4	36	3/4	5 9/16	8	5 3/4	19	3/4	4 1/8	6 3/4	5 3/4	22 3/4	3/4	4 3/8	7	5 3/4	34	9/16 x 3/4	34	19	1/4	726	218	712	218																		
15'-5"	8	3/4	4 3/8	5 7/16	N/A				7	3/8	5 7/16	28 1/2	3/4	5 9/16	8	5 7/16	36	3/4	5 3/4	8 3/4	5 7/16	N/A						17	7/16 x 5/8	17	11	3/16	818	232	808	233																	
15'-5"	9	3/4	4 3/8	5 3/4	N/A				15	1/2	5 3/4	36	3/4	5 9/16	8	5 3/4	36	3/4	5 3/4	8 3/4	5 3/4	28 1/2	3/4	4 3/8	8	5 3/4	30	9/16 x 3/4	30	16	1/4	820	233	808	233																		
16'-5"	N/A				N/A				6	3/8	5 7/16	N/A						N/A						13	7/16 x 5/8	13	9	3/16	1013	248	1003	248																					
16'-5"	N/A				N/A				12	1/2	5 3/4	N/A						36	3/4	5 3/4	8 3/4	5 3/4	N/A						24	9/16 x 3/4	24	13	1/4	1015	248	1003	248																
17'-5"	N/A				N/A				11	1/2	5 3/4	N/A						22 3/4	3/4	5 3/4	8 3/4	5 3/4	N/A						21	9/16 x 3/4	21	12	1/4	1156	263	1145	264																
18'-5"	N/A				N/A				16	5/8	6 1/4	N/A						36	3/4	5 3/4	8 3/4	6 1/4	22 3/4	5/8	4 3/4	6 1/4	6 1/4	36	11/16 x 7/8	36	24	5/16	926	276	918	277																	
19'-5"	N/A				N/A				15	5/8	6 1/4	N/A						N/A						N/A						36	11/16 x 7/8	36	21	5/16	1036	291	1028	292															
20'-5"	N/A				N/A				16	5/8	6 13/16	N/A						36	3/4	5 3/4	8 3/4	6 13/16	N/A						36	11/16 x 7/8	36	23	5/16	1146	306	1138	307																
21'-5"	N/A				N/A				14	5/8	6 13/16	N/A						N/A						N/A						36	11/16 x 7/8	36	21	5/16	1256	322	1248	323															
22'-5"	N/A				N/A				13	5/8	6 13/16	N/A						N/A						N/A						36	11/16 x 7/8	36	20	5/16	1366	337	1358	338															
23'-5"	N/A				N/A				12	5/8	6 13/16	N/A						N/A						N/A						33	11/16 x 7/8	33	18	5/16	1477	352	1469	353															
24'-5"	N/A				N/A				11	5/8	6 13/16	N/A						N/A						N/A						31	11/16 x 7/8	31	17	5/16	1589	367	1581	368															
25'-5"	N/A				N/A				11	5/8	6 13/16	N/A						N/A						N/A						28	11/16 x 7/8	28	16	5/16	1702	383	1694	384															
26'-5"	N/A				N/A				10	5/8	6 7/8	N/A						N/A						N/A						25	11/16 x 7/8	25	14	5/16	1816	398	1808	399															
27'-5"	N/A				N/A				9	5/8	6 7/8	N/A						N/A						N/A						24	11/16 x 7/8	24	13	5/16	1931	413	1923	414															
28'-5"	N/A				N/A				9	5/8	6 7/8	N/A						N/A						N/A						22	11/16 x 7/8	22	12	5/16	2048	429	2039	430															
29'-5"	N/A				N/A				9	5/8	6 7/8	N/A						N/A						N/A						21	11/16 x 7/8	21	11	5/16	2166	444	2157	445															
29'-5"	N/A				N/A				8	5/8	6 7/8	N/A						N/A						N/A						20	11/16 x 7/8	20	11	5/16	2285	459	2277	461															
30'-5"	N/A				N/A				8	5/8	6 7/8	N/A						N/A						N/A						19	11/16 x 7/8	19	10	5/16	2406	475	2397	476															
31'-5"	N/A				N/A				8	5/8	6 7/8	N/A						N/A						N/A						18	11/16 x 7/8	18	10	5/16	2528	491	2519	492															
32'-5"	N/A				N/A				7	5/8	6 7/8	N/A						N/A						N/A						17	11/16 x 7/8	17	9	5/16	2652	506	2643	507															
33'-5"	N/A				N/A				7	5/8	6 7/8	N/A						N/A						N/A						36	11/16 x 7/8	36	21	3/8	2305	518	2297	519															
34'-5"	N/A				N/A				6	3/4	6 7/8	N/A						N/A						N/A						36	13/16 x 1	36	20	3/8	2411	534	2403	534															
35'-5"	N/A				N/A				9	3/4	7 1/2	N/A						N/A						N/A						35	13/16 x 1	35	19	3/8	2519	549	2511	550															
36'-5"	N/A				N/A				9	3/4	7 1/2	N/A						N/A						N/A						33	13/16 x 1	33	18	3/8	2628	565	2620	565															
37'-5"	N/A				N/A				8	3/4	7 1/2	N/A						N/A						N/A						32	13/16 x 1	32	17	3/8	2738	580	2729	581															
38'-5"	N/A				N/A				8	3/4	7 1/2	N/A						N/A						N/A						31	13/16 x 1	31	17	3/8	2849	596	2841	596															
39'-5"	N/A				N/A				8	3/4	7 1/2	N/A						N/A						N/A						30	13/16 x 1	30	16	3/8	2961	611	2953	612															
40'-5"	N/A				N/A				7	3/4	7 1/2	N/A						N/A						N/A						N/A						N/A						N/A						N/A					



Preferred door solutions™

COOKSON

24 ELMWOOD AVE 1901 S. LITCHFIELD RD
MOUNTAINTOP, PA GOODYEAR, AZ

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

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

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

DRAWN BY: TJE
SIZE: B
SCALE: AS NOTED
SHEET: 32/53
DWG NO: ES-16-62-TCCI

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0296 Minimum Thickness Galvanized or Stainless Steel - 40 PSF																							
Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																							
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Tru-Bolt				Powers Wedge-Bolt			
								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
6'-5"	N/A	N/A	N/A	333*	N/A	3/8	24	36	2 3/8	4	4 9/16	28	2 5/8	3 15/16	4 9/16	29	3	4 1/2	4 9/16	22	2	3	4 9/16
6'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	16	2 5/8	3 15/16	5 3/4	16	3	4 1/2	5 3/4	32	3 1/2	5 1/4	5 3/4
13'-5"	1 3/8	0.531	CP1152	334	10	3/8	10	N/A				5	2 5/8	3 15/16	5 7/16	6	3	4 1/2	5 7/16	7	3 1/2	5 1/4	5 7/16
13'-5"	1 3/8	0.531	CP1152	344	10	1/2	18	36	3 5/8	8	5 3/4	12	4 1/2	6 3/4	5 3/4	10	4 1/8	6 3/16	5 3/4	8	3 1/2	5 1/4	5 3/4
14'-5"	1 1/2	0.656	CP1152	334	10	3/8	9	N/A				5	2 5/8	3 15/16	5 7/16	N/A				7	3 1/2	5 1/4	5 7/16
14'-5"	1 1/2	0.656	CP1152	344	10	1/2	18	36	3 5/8	8	5 3/4	12	4 1/2	6 3/4	5 3/4	9	4 1/8	6 3/16	5 3/4	8	3 1/2	5 1/4	5 3/4
15'-5"	1 5/8	0.781	CP1152	444	9	5/8	18	36	4 3/8	8	6 1/4	14	4 1/2	6 3/4	6 1/4	12	5 1/8	7 11/16	6 1/4	9	4	6	6 1/4
16'-5"	1 3/4	0.906	CP1152	445	9	5/8	18	28	4 3/8	6	6 13/16	15	4 1/2	6 3/4	6 13/16	14	7 1/2	11 1/4	6 13/16	10	4	6	6 13/16
17'-5"	2	1.156	CP1152	445	9	5/8	18	28	4 3/8	6	6 13/16	15	4 1/2	6 3/4	6 13/16	14	7 1/2	11 1/4	6 13/16	10	4	6	6 13/16
18'-5"	2	1.156	CP1152	445	9	5/8	18	36	4 3/8	8	6 13/16	14	4 1/2	6 3/4	6 13/16	12	7 1/2	11 1/4	6 13/16	9	4	6	6 13/16
19'-5"	2	1.156	CP1152	445	8	5/8	18	28	4 3/8	8	6 13/16	12	4 1/2	6 3/4	6 13/16	11	7 1/2	11 1/4	6 13/16	8	4	6	6 13/16
20'-5"	2	1.156	CP1152	445	8	5/8	18	N/A				11	4 1/2	6 3/4	6 13/16	N/A				7	4	6	6 13/16
21'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				10	4 1/2	6 3/4	6 7/8	N/A				9	5	7 1/2	6 7/8
22'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				10	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8
23'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				9	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8
24'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	17	N/A				8	4 1/2	6 3/4	6 7/8	N/A				7	5	7 1/2	6 7/8
25'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	16	N/A				8	4 1/2	6 3/4	6 7/8	N/A				N/A			
26'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
27'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
28'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				10	5	7 1/2	7 1/2	11	6 5/8	9 15/16	7 1/2	N/A			
29'-5"	2 1/2	1.656	CP1152 & CP1153	648	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			
30'-5"	2 1/2	1.656	CP1152 & CP1153	648	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			
31'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	8	6 5/8	9 15/16	7 1/2	N/A			
32'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2	N/A			
33'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2	N/A			
34'-5"	2 1/2	1.656	CP1152 & CP1153	648	5	3/4	17	N/A				7	5	7 1/2	7 1/2	N/A				N/A			



	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ		Unless otherwise specified, dimensions are in inches & tolerances are:		
	P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM		0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG		
TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED		DRAWN BY: TJE	SIZE: B	SCALE: AS NOTED	SHEET: 33/53
		DWG NO: ES-16-62-TCCI			

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0296 Minimum Thickness Galvanized or Stainless Steel - 40 PSF, Cont.																																			
DBG Up To	Filled CMU									Cracked Concrete Minimum 3,000 PSI Compressive Strength															Steel (Wall anchors are the same diameter as assembly fasteners)			Superimposed Loads							
	Hilti Kwik Bolt 3				Simpson Strong-Bolt 2				Through Bolt			Hilti Kwik Bolt TZ					Simpson Strong-Bolt 2					ITW Redhead Trubolt+					Welded		Through Bolt	Tapped		Vx (+)	Vy (+)	Vx (-)	Vy (-)
	Max O.C.	Dia.	Embed	Edge Dist	Max O.C.	Dia.	Embed	Edge Dist	Max. O.C.	Dia.	Edge Distance	Max O.C.	Dia.	Embed.	Min Wall Thick.	Edge Dist	Max O.C.	Dia.	Embed.	Min Wall Thick.	Edge Dist	Max O.C.	Dia.	Embed.	Min Wall Thick.	Edge Dist	Max O.C.	Slot Size	Max O.C.	Max O.C.	Min. Thickness				
6'-5"	16	3/8	2 1/2	4 9/16	11	3/8	2 5/8	4 9/16	28	3/8	4 9/16	36	3/8	2 5/16	4	4 9/16	36	3/8	1 7/8	3 1/4	4 9/16	36	3/8	2	5	4 9/16	36	7/16 x 5/8	36	36	3/16	0	130	0	129
6'-5"	9	3/8	2 1/2	5 3/4	15	3/4	5 1/4	5 3/4	16	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	130	0	129
13'-5"	N/A				N/A				5	3/8	5 7/16	N/A					22 3/4	3/4	5 3/4	8 3/4	5 7/16	N/A					13	7/16 x 5/8	13	8	3/16	1022	270	1006	271
13'-5"	N/A				N/A				12	1/2	5 3/4	N/A					36	3/4	5 3/4	8 3/4	5 3/4	N/A					24	9/16 x 3/4	24	13	1/4	1024	271	1006	271
14'-5"	N/A				N/A				5	3/8	5 7/16	N/A					N/A					N/A					13	7/16 x 5/8	13	8	3/16	1067	290	1054	291
14'-5"	N/A				N/A				12	1/2	5 3/4	N/A					28 1/2	3/4	5 3/4	8 3/4	5 3/4	N/A					23	9/16 x 3/4	23	12	1/4	1070	291	1054	291
15'-5"	N/A				N/A				14	5/8	6 1/4	N/A					22 3/4	3/4	5 3/4	8 3/4	6 1/4	N/A					36	11/16 x 7/8	36	20	5/16	1127	309	1112	310
16'-5"	N/A				N/A				15	5/8	6 13/16	N/A					36	3/4	5 3/4	8 3/4	6 13/16	N/A					36	11/16 x 7/8	36	23	5/16	1183	329	1170	330
17'-5"	N/A				N/A				15	5/8	6 13/16	N/A					N/A					N/A					36	11/16 x 7/8	36	23	5/16	1156	348	1146	349
18'-5"	N/A				N/A				14	5/8	6 13/16	N/A					N/A					N/A					36	11/16 x 7/8	36	21	5/16	1297	368	1287	370
19'-5"	N/A				N/A				12	5/8	6 13/16	N/A					N/A					N/A					34	11/16 x 7/8	34	19	5/16	1437	389	1427	390
20'-5"	N/A				N/A				11	5/8	6 13/16	N/A					N/A					N/A					31	11/16 x 7/8	31	17	5/16	1579	409	1568	410
21'-5"	N/A				N/A				10	5/8	6 7/8	N/A					N/A					N/A					27	11/16 x 7/8	27	15	5/16	1720	429	1710	431
22'-5"	N/A				N/A				10	5/8	6 7/8	N/A					N/A					N/A					25	11/16 x 7/8	25	13	5/16	1863	450	1853	451
23'-5"	N/A				N/A				9	5/8	6 7/8	N/A					N/A					N/A					23	11/16 x 7/8	23	12	5/16	2008	470	1997	471
24'-5"	N/A				N/A				8	5/8	6 7/8	N/A					N/A					N/A					21	11/16 x 7/8	21	12	5/16	2154	490	2143	492
25'-5"	N/A				N/A				8	5/8	6 7/8	N/A					N/A					N/A					20	11/16 x 7/8	20	11	5/16	2302	511	2291	512
26'-5"	N/A				N/A				7	5/8	6 7/8	N/A					N/A					N/A					19	11/16 x 7/8	19	10	5/16	2451	531	2440	533
27'-5"	N/A				N/A				7	5/8	6 7/8	N/A					N/A					N/A					18	11/16 x 7/8	18	9	5/16	2603	552	2592	554
28'-5"	N/A				N/A				10	3/4	7 1/2	N/A					N/A					N/A					36	13/16 x 1	36	21	3/8	2282	570	2272	570
29'-5"	N/A				N/A				9	3/4	7 1/2	N/A					N/A					N/A					34	13/16 x 1	34	18	3/8	2545	610	2535	611
30'-5"	N/A				N/A				9	3/4	7 1/2	N/A					N/A					N/A					34	13/16 x 1	34	18	3/8	2679	631	2669	632
31'-5"	N/A				N/A				8	3/4	7 1/2	N/A					N/A					N/A					33	13/16 x 1	33	18	3/8	2679	631	2669	632
32'-5"	N/A				N/A				8	3/4	7 1/2	N/A					N/A					N/A					31	13/16 x 1	31	17	3/8	2815	652	2804	652
33'-5"	N/A				N/A				7	3/4	7 1/2	N/A					N/A					N/A					30	13/16 x 1	30	16	3/8	2952	672	2942	673
34'-5"	N/A				N/A				7	3/4	7 1/2	N/A					N/A					N/A					28	13/16 x 1	28	15	3/8	3091	693	3080	693



COOKSON Preferred door solutions.™

24 ELMWOOD AVE 1901 S. LITCHFIELD RD
MOUNTAINTOP, PA GOODYEAR, AZ

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

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

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

DRAWN BY: **TJE**

SIZE: **B**

SCALE: **AS NOTED**

SHEET: **34/53**

DWG NO: **ES-16-62-TCCI**

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0296 Minimum Thickness Galvanized or Stainless Steel - 60 PSF																							
Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																							
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Tru-Bolt				Powers Wedge-Bolt			
								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'-5"	N/A	N/A	N/A	333*	N/A	3/8	24	36	2 3/8	4	4 9/16	22	2 5/8	3 15/16	4 9/16	23	3	4 1/2	4 9/16	17	2	3	4 9/16
5'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	28	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	25	3 1/2	5 1/4	5 3/4
14'-5"	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	N/A				N/A			
15'-5"	1 5/8	0.781	CP1152 & CP1153	546	7	5/8	18	N/A				10	4 1/2	6 3/4	6 7/8	N/A				N/A			
16'-5"	1 3/4	0.906	CP1152 & CP1153	546	7	5/8	18	N/A				10	4 1/2	6 3/4	6 7/8	N/A				N/A			
17'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				10	4 1/2	6 3/4	6 7/8	N/A				N/A			
18'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	17	N/A				9	4 1/2	6 3/4	6 7/8	N/A				N/A			
19'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	16	N/A				8	4 1/2	6 3/4	6 7/8	N/A				N/A			
20'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
21'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	13	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
25'-5"	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	N/A				N/A			
26'-5"	2 1/2	1.656	CP1152 & CP1153	648	5	3/4	16	N/A				7	5	7 1/2	7 1/2	N/A				N/A			

CP0020 - 0.0296 Minimum Thickness Galvanized or Stainless Steel - 60 PSF, Cont.																				
DBG Up To	Filled CMU										Steel (Wall anchors are the same diameter as assembly fasteners)						Superimposed Loads			
	Hilti Kwik Bolt 3				Simpson Strong-Bolt 2				Through Bolt		Welded		Through Bolt	Tapped						
	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.	Max O.C.	Min. Thickness	Vx (+)	Vy (+)	Vx (-)	Vy (-)
5'-5"	12	3/8	2 1/2	4 9/16	8	3/8	2 5/8	4 9/16	22	3/8	4 9/16	36	7/16 x 5/8	36	36	3/16	0	165	0	163
5'-5"	8	1/2	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
14'-5"	N/A				N/A				8	1/2	5 3/4	12	9/16 x 3/4	12	12	1/4	1756	436	1735	436
15'-5"	N/A				N/A				10	5/8	6 7/8	25	11/16 x 7/8	25	14	5/16	1825	465	1804	466
16'-5"	N/A				N/A				10	5/8	6 7/8	24	11/16 x 7/8	24	13	5/16	1892	494	1874	496
17'-5"	N/A				N/A				10	5/8	6 7/8	25	11/16 x 7/8	25	14	5/16	1839	523	1825	525
18'-5"	N/A				N/A				9	5/8	6 7/8	23	11/16 x 7/8	23	12	5/16	2039	553	2024	555
19'-5"	N/A				N/A				8	5/8	6 7/8	20	11/16 x 7/8	20	11	5/16	2240	584	2226	586
20'-5"	N/A				N/A				7	5/8	6 7/8	19	11/16 x 7/8	19	10	5/16	2444	614	2429	616
21'-5"	N/A				N/A				7	5/8	6 7/8	17	11/16 x 7/8	17	9	5/16	2649	645	2634	647
25'-5"	N/A				N/A				8	3/4	7 1/2	15	13/16 x 1	15	15	3/8	2898	764	2883	765
26'-5"	N/A				N/A				7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	3083	795	3069	796



	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ	Unless otherwise specified, dimensions are in inches & tolerances are: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG
	P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM	
TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED	DRAWN BY: TJE SIZE: B SCALE: AS NOTED SHEET: 36/53	DWG NO: ES-16-62-TCCI

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0296 Minimum Thickness Galvanized or Stainless Steel - 65 PSF																							
Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																							
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Tru-Bolt				Powers Wedge-Bolt			
								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
4'-5"	N/A	N/A	N/A	333*	N/A	3/8	24	36	2 3/8	4	4 9/16	25	2 5/8	3 15/16	4 9/16	26	3	4 1/2	4 9/16	20	2	3	4 9/16
4'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	14	2 5/8	3 15/16	5 3/4	14	3	4 1/2	5 3/4	28	3 1/2	5 1/4	5 3/4
14'-5"	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	N/A				N/A			
15'-5"	1 5/8	0.781	CP1152 & CP1153	546	7	5/8	18	N/A				9	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8
16'-5"	1 3/4	0.906	CP1152 & CP1153	546	7	5/8	17	N/A				9	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8
17'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	17	N/A				9	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8
18'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	16	N/A				8	4 1/2	6 3/4	6 7/8	N/A				N/A			
19'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
20'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	13	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
25'-5"	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	N/A				N/A			

CP0020 - 0.0296 Minimum Thickness Galvanized or Stainless Steel - 65 PSF, Cont.																					
DBG Up To	Filled CMU												Steel (Wall anchors are the same diameter as assembly fasteners)					Superimposed Loads			
	Hilti Kwik Bolt 3				Simpson Strong-Bolt 2				Through Bolt				Welded		Through Bolt	Tapped		Vx (+)	Vy (+)	Vx (-)	Vy (-)
	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						
4'-5"	14	3/8	2 1/2	4 9/16	10	3/8	2 5/8	4 9/16	25	3/8	4 9/16	36	7/16 x 5/8	36	36	3/16	0	146	0	144	
4'-5"	8	3/8	2 1/2	5 3/4	13	3/4	5 1/4	5 3/4	14	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	147	0	144	
14'-5"	N/A				N/A				8	1/2	5 3/4	12	9/16 x 3/4	12	12	1/4	1928	473	1906	473	
15'-5"	N/A				N/A				9	5/8	6 7/8	23	11/16 x 7/8	23	13	5/16	2000	504	1977	506	
16'-5"	N/A				N/A				9	5/8	6 7/8	22	11/16 x 7/8	22	12	5/16	2070	536	2050	538	
17'-5"	N/A				N/A				9	5/8	6 7/8	23	11/16 x 7/8	23	12	5/16	2010	566	1994	568	
18'-5"	N/A				N/A				8	5/8	6 7/8	21	11/16 x 7/8	21	11	5/16	2224	599	2209	602	
19'-5"	N/A				N/A				7	5/8	6 7/8	19	11/16 x 7/8	19	10	5/16	2441	633	2425	635	
20'-5"	N/A				N/A				7	5/8	6 7/8	17	11/16 x 7/8	17	9	5/16	2660	666	2644	668	
25'-5"	N/A				N/A				8	3/4	7 1/2	15	13/16 x 1	15	15	3/8	3147	828	3132	829	



	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ	Unless otherwise specified, dimensions are in inches & tolerances are: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG
	P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM	TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED
DWG NO: ES-16-62-TCCI		

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0296 Minimum Thickness Galvanized or Stainless Steel - 70 PSF																							
Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																							
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Tru-Bolt				Powers Wedge-Bolt			
								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
4'-5"	N/A	N/A	N/A	333*	N/A	3/8	24	36	2 3/8	4	4 9/16	23	2 5/8	3 15/16	4 9/16	24	3	4 1/2	4 9/16	18	2	3	4 9/16
4'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	13	2 5/8	3 15/16	5 3/4	13	3	4 1/2	5 3/4	10	2	3	5 3/4
14'-5"	1 1/2	0.656	CP1152 & CP1153	546	7	5/8	18	N/A				9	4 1/2	6 3/4	6 7/8	N/A				7	5	7 1/2	6 7/8
15'-5"	1 5/8	0.781	CP1152 & CP1153	546	7	5/8	17	N/A				8	4 1/2	6 3/4	6 7/8	N/A				7	5	7 1/2	6 7/8
16'-5"	1 3/4	0.906	CP1152 & CP1153	546	6	5/8	16	N/A				8	4 1/2	6 3/4	6 7/8	N/A				N/A			
17'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	16	N/A				8	4 1/2	6 3/4	6 7/8	N/A				N/A			
18'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
19'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	13	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
20'-5"	2 1/2	1.656	CP1152 & CP1153	648	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			
21'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	8	6 5/8	9 15/16	7 1/2	N/A			
22'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2	N/A			
23'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	17	N/A				7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2	N/A			
24'-5"	2 1/2	1.656	CP1152 & CP1153	648	5	3/4	16	N/A				7	5	7 1/2	7 1/2	N/A				N/A			

CP0020 - 0.0296 Minimum Thickness Galvanized or Stainless Steel - 70 PSF, Cont.																					
DBG Up To	Filled CMU												Steel (Wall anchors are the same diameter as assembly fasteners)					Superimposed Loads			
	Hilti Kwik Bolt 3				Simpson Strong-Bolt 2				Through Bolt				Welded		Through Bolt	Tapped		Vx (+)	Vy (+)	Vx (-)	Vy (-)
	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.	Max O.C.	Min. Thickness					
4'-5"	13	3/8	2 1/2	4 9/16	9	3/8	2 5/8	4 9/16	23	3/8	4 9/16	36	7/16 x 5/8	36	36	3/16	0	157	0	155	
4'-5"	8	1/2	3 1/2	5 3/4	12	3/4	5 1/4	5 3/4	13	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	158	0	155	
14'-5"	N/A				N/A				9	5/8	6 7/8	22	11/16 x 7/8	22	12	5/16	2112	508	2084	510	
15'-5"	N/A				N/A				8	5/8	6 7/8	21	11/16 x 7/8	21	11	5/16	2174	543	2150	545	
16'-5"	N/A				N/A				8	5/8	6 7/8	20	11/16 x 7/8	20	11	5/16	2247	577	2226	579	
17'-5"	N/A				N/A				8	5/8	6 7/8	21	11/16 x 7/8	21	11	5/16	2180	610	2164	612	
18'-5"	N/A				N/A				7	5/8	6 7/8	19	11/16 x 7/8	19	10	5/16	2410	646	2393	648	
19'-5"	N/A				N/A				7	5/8	6 7/8	17	11/16 x 7/8	17	9	5/16	2642	682	2625	684	
20'-5"	N/A				N/A				9	3/4	7 1/2	36	13/16 x 1	36	20	3/8	2367	714	2352	715	
21'-5"	N/A				N/A				8	3/4	7 1/2	34	13/16 x 1	34	18	3/8	2568	750	2552	750	
22'-5"	N/A				N/A				8	3/4	7 1/2	31	13/16 x 1	31	17	3/8	2771	785	2755	786	
23'-5"	N/A				N/A				7	3/4	7 1/2	29	13/16 x 1	29	16	3/8	2976	821	2961	822	
24'-5"	N/A				N/A				7	3/4	7 1/2	27	13/16 x 1	27	15	3/8	3185	857	3169	858	



	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ	Unless otherwise specified, dimensions are in inches & tolerances are: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG
	P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM	TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED
DRAWN BY: TJE		SIZE: B
DWG NO: ES-16-62-TCCI		SCALE: AS NOTED
SHEET: 38/53		

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0296 Minimum Thickness Galvanized or Stainless Steel - 80 PSF																							
Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																							
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Tru-Bolt				Powers Wedge-Bolt			
								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
4'-5"	N/A	N/A	N/A	333*	N/A	3/8	24	36	2 3/8	4	4 9/16	20	2 5/8	3 15/16	4 9/16	21	3	4 1/2	4 9/16	16	2	3	4 9/16
4'-5"	N/A	N/A	N/A	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
14'-5"	1 1/2	0.656	CP1152 & CP1153	546	6	5/8	15	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
15'-5"	1 5/8	0.781	CP1152 & CP1153	546	6	5/8	15	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
16'-5"	1 3/4	0.906	CP1152 & CP1153	546	6	5/8	14	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
17'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
18'-5"	2 1/8	1.281	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	8	6 5/8	9 15/16	7 1/2	N/A			
19'-5"	2 3/8	1.531	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	8	6 5/8	9 15/16	7 1/2	N/A			
20'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2	N/A			
21'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	16	N/A				7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2	N/A			

CP0020 - 0.0296 Minimum Thickness Galvanized or Stainless Steel - 80 PSF, Cont.																					
DBG Up To	Filled CMU											Steel (Wall anchors are the same diameter as assembly fasteners)						Superimposed Loads			
	Hilti Kwik Bolt 3				Simpson Strong-Bolt 2				Through Bolt			Welded		Through Bolt	Tapped		Vx (+)	Vy (+)	Vx (-)	Vy (-)	
	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.	Max O.C.	Min. Thickness					
4'-5"	11	3/8	2 1/2	4 9/16	8	3/8	2 5/8	4 9/16	20	3/8	4 9/16	36	7/16 x 5/8	36	36	3/16	0	180	0	177	
4'-5"	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	180	0	177	
14'-5"	N/A				N/A				7	5/8	6 7/8	19	11/16 x 7/8	19	10	5/16	2458	581	2427	584	
15'-5"	N/A				N/A				7	5/8	6 7/8	18	11/16 x 7/8	18	10	5/16	2523	621	2496	623	
16'-5"	N/A				N/A				7	5/8	6 7/8	18	11/16 x 7/8	18	10	5/16	2602	660	2578	662	
17'-5"	N/A				N/A				7	5/8	6 7/8	18	11/16 x 7/8	18	10	5/16	2522	698	2503	700	
18'-5"	N/A				N/A				8	3/4	7 1/2	33	13/16 x 1	33	18	3/8	2637	739	2612	740	
19'-5"	N/A				N/A				8	3/4	7 1/2	33	13/16 x 1	33	18	3/8	2615	777	2596	778	
20'-5"	N/A				N/A				8	3/4	7 1/2	32	13/16 x 1	32	17	3/8	2727	816	2709	817	
21'-5"	N/A				N/A				7	3/4	7 1/2	29	13/16 x 1	29	16	3/8	2954	857	2936	858	



	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ 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 NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED	DRAWN BY: TJE SIZE: B SCALE: AS NOTED SHEET: 39/53 DWG NO: ES-16-62-TCCI

L/TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0296 Minimum Thickness Galvanized or Stainless Steel - 90 PSF																							
Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																							
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Tru-Bolt				Powers Wedge-Bolt			
								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
4'-5"	N/A	N/A	CP0417	333*	N/A	3/8	24	36	2 3/8	4	4 9/16	18	2 5/8	3 15/16	4 9/16	18	3	4 1/2	4 9/16	14	2	3	4 9/16
4'-5"	N/A	N/A	CP0417	344*	12	3/8	24	11	2 3/8	5	5 3/4	10	2 5/8	3 15/16	5 3/4	10	3	4 1/2	5 3/4	20	3 1/2	5 1/4	5 3/4
14'-5"	1 1/2	0.656	CP1152 & CP1153	648	6	3/4	18	N/A				6	4 1/2	6 3/4	6 7/8	N/A				N/A			
15'-5"	1 5/8	0.781	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2	N/A			
16'-5"	1 3/4	0.906	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2	N/A			
17'-5"	2	1.156	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2	N/A			
18'-5"	2 1/8	1.281	CP1152 & CP1153	648	6	3/4	17	N/A				7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2	N/A			
19'-5"	2 3/8	1.531	CP1152 & CP1153	648	6	3/4	16	N/A				7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2	N/A			
20'-5"	2 1/2	1.656	CP1152 & CP1153	648	5	3/4	16	N/A				7	5	7 1/2	7 1/2	N/A				N/A			

CP0020 - 0.0296 Minimum Thickness Galvanized or Stainless Steel - 90 PSF, Cont.																						
DBG Up To	Filled CMU												Steel (Wall anchors are the same diameter as assembly fasteners)						Superimposed Loads			
	Hilti Kwik Bolt 3				Simpson Strong-Bolt 2				Through Bolt				Welded		Through Bolt	Tapped		Vx (+)	Vy (+)	Vx (-)	Vy (-)	
	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.	Max O.C.	Min. Thickness						
4'-5"	10	3/8	2 1/2	4 9/16	8	1/2	3 1/2	4 9/16	18	3/8	4 9/16	36	7/16 x 5/8	36	36	3/16	0	202	0	199		
4'-5"	12	3/4	4 3/8	5 3/4	9	3/4	5 1/4	5 3/4	10	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	203	0	199		
14'-5"	N/A				N/A				6	3/4	6 7/8	31	11/16 x 7/8	31	17	3/8	2819	657	2772	658		
15'-5"	N/A				N/A				8	3/4	7 1/2	30	13/16 x 1	30	16	3/8	2886	701	2845	702		
16'-5"	N/A				N/A				8	3/4	7 1/2	29	13/16 x 1	29	16	3/8	2970	745	2933	746		
17'-5"	N/A				N/A				8	3/4	7 1/2	30	13/16 x 1	30	16	3/8	2875	787	2845	788		
18'-5"	N/A				N/A				7	3/4	7 1/2	29	13/16 x 1	29	16	3/8	2989	832	2962	833		
19'-5"	N/A				N/A				7	3/4	7 1/2	29	13/16 x 1	29	16	3/8	2963	875	2941	876		
20'-5"	N/A				N/A				7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	3086	919	3067	920		



	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ	Unless otherwise specified, dimensions are in inches & tolerances are: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG
	P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM	TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0405 Minimum Thickness Galvanized or Stainless Steel - 20 PSF																							
Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																							
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Tru-Bolt				Powers Wedge-Bolt			
								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
10'-5"	N/A	N/A	N/A	333*	N/A	3/8	24	36	2 3/8	4	4 9/16	35	2 5/8	3 15/16	4 9/16	36	3	4 1/2	4 9/16	27	2	3	4 9/16
10'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	20	2 5/8	3 15/16	5 3/4	20	3	4 1/2	5 3/4	36	3 1/2	5 1/4	5 3/4
13'-5"	1 5/16	0.532	CP1151	333	12	3/8	18	36	2 3/8	4	5 3/16	23	2 5/8	3 15/16	5 3/16	24	3	4 1/2	5 3/16	31	3 1/2	5 1/4	5 3/16
13'-5"	1 5/16	0.532	CP1151	344	12	1/2	18	36	2 1/4	4	5 3/4	36	4 1/2	6 3/4	5 3/4	36	4 1/8	6 3/16	5 3/4	36	3 1/2	5 1/4	5 3/4
14'-5"	1 7/16	0.657	CP1151	333	12	3/8	18	36	2 3/8	4	5 3/16	18	2 5/8	3 15/16	5 3/16	18	3	4 1/2	5 3/16	24	3 1/2	5 1/4	5 3/16
14'-5"	1 7/16	0.657	CP1151	344	12	1/2	18	36	2 1/4	4	5 3/4	36	4 1/2	6 3/4	5 3/4	35	4 1/8	6 3/16	5 3/4	29	3 1/2	5 1/4	5 3/4
15'-5"	1 1/2	0.719	CP1151	333	12	3/8	18	36	2 3/8	4	5 3/16	14	2 5/8	3 15/16	5 3/16	14	3	4 1/2	5 3/16	9	2	3	5 3/16
15'-5"	1 1/2	0.719	CP1151	344	12	1/2	18	36	2 1/4	4	5 3/4	34	4 1/2	6 3/4	5 3/4	27	4 1/8	6 3/16	5 3/4	15	2 1/2	3 3/4	5 3/4
16'-5"	1 1/2	0.719	CP1151	333	12	3/8	18	16	2 3/8	5	5 3/16	11	2 5/8	3 15/16	5 3/16	11	3	4 1/2	5 3/16	7	2	3	5 3/16
16'-5"	1 1/2	0.719	CP1151	344	12	1/2	18	16	2 1/4	4	5 3/4	26	4 1/2	6 3/4	5 3/4	21	4 1/8	6 3/16	5 3/4	12	2 1/2	3 3/4	5 3/4
17'-5"	1 1/2	0.719	CP1151	333	12	3/8	17	N/A				9	2 5/8	3 15/16	5 3/16	9	3	4 1/2	5 3/16	5	2	3	5 3/16
17'-5"	1 1/2	0.719	CP1151	344	12	1/2	18	36	3 5/8	6	5 3/4	22	4 1/2	6 3/4	5 3/4	17	4 1/8	6 3/16	5 3/4	10	2 1/2	3 3/4	5 3/4
18'-5"	1 1/2	0.719	CP1151	334	12	3/8	15	N/A				8	2 5/8	3 15/16	5 7/16	8	3	4 1/2	5 7/16	5	2	3	5 7/16
18'-5"	1 1/2	0.719	CP1151	344	12	1/2	18	36	3 5/8	6	5 3/4	18	4 1/2	6 3/4	5 3/4	15	4 1/8	6 3/16	5 3/4	8	2 1/2	3 3/4	5 3/4
19'-5"	1 1/2	0.719	CP1151	334	11	3/8	13	N/A				7	2 5/8	3 15/16	5 7/16	7	3	4 1/2	5 7/16	4	2	3	5 7/16
19'-5"	1 1/2	0.719	CP1151	344	11	1/2	18	36	3 5/8	6	5 3/4	16	4 1/2	6 3/4	5 3/4	13	4 1/8	6 3/16	5 3/4	7	2 1/2	3 3/4	5 3/4
20'-5"	1 1/2	0.656	CP1152	334	10	3/8	11	N/A				6	2 5/8	3 15/16	5 7/16	6	3	4 1/2	5 7/16	4	2 1/2	3 3/4	5 7/16
20'-5"	1 1/2	0.656	CP1152	344	10	1/2	18	28	3 5/8	6	5 3/4	14	4 1/2	6 3/4	5 3/4	11	4 1/8	6 3/16	5 3/4	6	2 1/2	3 3/4	5 3/4
21'-5"	1 1/2	0.656	CP1152	334	10	3/8	10	N/A				5	2 5/8	3 15/16	5 7/16	N/A				4	2 1/2	3 3/4	5 7/16
21'-5"	1 1/2	0.656	CP1152	344	10	1/2	18	36	3 5/8	8	5 3/4	12	4 1/2	6 3/4	5 3/4	10	4 1/8	6 3/16	5 3/4	8	3 1/2	5 1/4	5 3/4
22'-5"	1 1/2	0.656	CP1152	344	9	1/2	18	28	3 5/8	8	5 3/4	11	4 1/2	6 3/4	5 3/4	9	4 1/8	6 3/16	5 3/4	7	3 1/2	5 1/4	5 3/4
23'-5"	2	1.219	CP1151	444	11	5/8	18	36	4 3/8	6	6 1/4	18	4 1/2	6 3/4	6 1/4	15	5 1/8	7 11/16	6 1/4	7	3	4 1/2	6 1/4
24'-5"	2	1.156	CP1152	444	10	5/8	18	36	4 3/8	6	6 1/4	16	4 1/2	6 3/4	6 1/4	14	5 1/8	7 11/16	6 1/4	10	4	6	6 1/4
25'-5"	2	1.156	CP1152	444	10	5/8	18	22	4 3/8	6	6 1/4	15	4 1/2	6 3/4	6 1/4	13	5 1/8	7 11/16	6 1/4	9	4	6	6 1/4
26'-5"	2	1.156	CP1152	445	9	5/8	18	36	4 3/8	6	6 13/16	16	4 1/2	6 3/4	6 13/16	14	7 1/2	11 1/4	6 13/16	10	4	6	6 13/16
27'-5"	2	1.156	CP1152	445	9	5/8	18	28	4 3/8	6	6 13/16	15	4 1/2	6 3/4	6 13/16	13	7 1/2	11 1/4	6 13/16	9	4	6	6 13/16
28'-5"	2	1.156	CP1152	445	9	5/8	18	36	4 3/8	8	6 13/16	14	4 1/2	6 3/4	6 13/16	13	7 1/2	11 1/4	6 13/16	9	4	6	6 13/16
29'-5"	2	1.156	CP1152	445	8	5/8	18	36	4 3/8	8	6 13/16	13	4 1/2	6 3/4	6 13/16	12	7 1/2	11 1/4	6 13/16	8	4	6	6 13/16
30'-5"	2	1.156	CP1152	445	8	5/8	18	28	4 3/8	8	6 13/16	12	4 1/2	6 3/4	6 13/16	11	7 1/2	11 1/4	6 13/16	8	4	6	6 13/16
31'-5"	2	1.156	CP1152	445	8	5/8	18	22	4 3/8	8	6 13/16	12	4 1/2	6 3/4	6 13/16	N/A				7	4	6	6 13/16
32'-5"	2	1.156	CP1152 & CP1153	445	8	5/8	18	N/A				11	4 1/2	6 3/4	6 13/16	N/A				10	5	7 1/2	6 13/16
33'-5"	2	1.156	CP1152 & CP1153	445	7	5/8	18	N/A				11	4 1/2	6 3/4	6 13/16	N/A				9	5	7 1/2	6 13/16
34'-5"	2	1.156	CP1152 & CP1153	445	7	5/8	18	N/A				10	4 1/2	6 3/4	6 13/16	N/A				9	5	7 1/2	6 13/16
35'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				10	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8
36'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				9	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8
37'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				9	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8
38'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				8	4 1/2	6 3/4	6 7/8	N/A				7	5	7 1/2	6 7/8
39'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	17	N/A				8	4 1/2	6 3/4	6 7/8	N/A				7	5	7 1/2	6 7/8
40'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	16	N/A				8	4 1/2	6 3/4	6 7/8	N/A				N/A			



<p>Preferred door solutions. COOKSON</p> <p>24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ</p> <p>P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM</p>	Unless otherwise specified, dimensions are in inches & tolerances are:	
	0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG	
<p>TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED</p>	<p>DRAWN BY: TJE</p> <p>DWG NO: ES-16-62-TCCI</p>	<p>SIZE: B</p> <p>SCALE: AS NOTED</p> <p>SHEET: 41/53</p>

L/TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0405 Minimum Thickness Galvanized or Stainless Steel - 20 PSF, Cont.

DBG Up To	Filled CMU												Cracked Concrete Minimum 3,000 PSI Compressive Strength												Steel (Wall anchors are the same diameter as assembly fasteners)						Superimposed Loads					
	Hilti Kwik Bolt 3				Simpson Strong-Bolt 2				Through Bolt				Hilti Kwik Bolt TZ				Simpson Strong-Bolt 2				ITW Redhead Trubolt+						Welded		Through Bolt		Tapped		Vx (+)	Vy (+)	Vx (-)	Vy (-)
Max O.C.	Dia.	Embed	Edge Dist	Max O.C.	Dia.	Embed	Edge Dist	Max. O.C.	Dia.	Edge Distance	Max O.C.	Dia.	Embed.	Min Wall Thick.	Edge Dist	Max O.C.	Dia.	Embed.	Min Wall Thick.	Edge Dist	Max O.C.	Dia.	Embed.	Min Wall Thick.	Edge Dist	Max O.C.	Slot Size	Max O.C.	Max O.C.	Min. Thickness						
10'-5"	8	3/8	1 5/8	4 9/16	13	3/8	2 5/8	4 9/16	35	3/8	4 9/16	36	3/8	2 5/16	4	4 9/16	36	3/8	1 7/8	3 1/4	4 9/16	36	3/8	2	4	4 9/16	36	7/16 x 5/8	36	36	3/16	0	105	0	105	
10'-5"	11	3/8	2 1/2	5 3/4	9	1/2	3 1/2	5 3/4	20	3/8	5 3/4	7 1/8	3/8	2 5/16	4	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	22 3/4	3/8	2	5	5 3/4	36	7/16 x 5/8	36	36	3/16	0	105	0	105	
13'-5"	14	3/8	2 1/2	5 3/16	10	3/8	2 5/8	5 3/16	23	3/8	5 3/16	28 1/2	3/8	2 5/16	4	5 3/16	14 1/4	3/8	1 7/8	3 1/4	5 3/16	36	3/8	2	5	5 3/16	36	7/16 x 5/8	36	36	3/16	207	135	195	135	
13'-5"	14	1/2	2 1/4	5 3/4	14	1/2	3 1/2	5 3/4	36	1/2	5 3/4	19	1/2	2 3/8	4	5 3/4	36	1/2	2 3/4	4 1/2	5 3/4	36	1/2	2 1/2	4	5 3/4	36	9/16 x 3/4	36	36	1/4	210	135	195	135	
14'-5"	11	3/8	2 1/2	5 3/16	9	1/2	3 1/2	5 3/16	18	3/8	5 3/16	36	1/2	3 5/8	6	5 3/16	36	3/8	2 7/8	4 1/2	5 3/16	36	1/2	2 1/2	4	5 3/16	36	7/16 x 5/8	36	33	3/16	272	145	261	145	
14'-5"	11	1/2	2 1/4	5 3/4	11	1/2	3 1/2	5 3/4	36	1/2	5 3/4	36	1/2	3 5/8	6	5 3/4	36	1/2	2 3/4	4 1/2	5 3/16	36	1/2	2 1/2	4	5 3/16	36	9/16 x 3/4	36	36	1/4	274	145	261	145	
15'-5"	8	3/8	2 1/2	5 3/16	12	3/4	5 1/4	5 3/16	14	3/8	5 3/16	36	1/2	3 5/8	6	5 3/16	36	3/8	2 7/8	4 1/2	5 3/16	14 1/4	1/2	2 1/2	4	5 3/16	36	7/16 x 5/8	36	25	3/16	361	155	352	155	
15'-5"	8	1/2	2 1/4	5 3/4	8	1/2	3 1/2	5 3/4	34	1/2	5 3/4	36	1/2	3 5/8	6	5 3/4	36	1/2	2 3/4	4 1/2	5 3/4	36	1/2	2 1/2	4	5 3/4	36	9/16 x 3/4	36	36	1/4	363	155	352	155	
16'-5"	8	3/4	3 1/4	5 3/16	10	3/4	5 1/4	5 3/16	11	3/8	5 3/16	36	1/2	3 5/8	8	5 3/16	28 1/2	1/2	3 7/8	6	5 3/16	19	1/2	3 3/4	8	5 3/16	29	7/16 x 5/8	29	19	3/16	475	165	467	165	
16'-5"	9	1/2	3 1/2	5 3/4	12	3/4	5 1/4	5 3/4	26	1/2	5 3/4	36	1/2	3 5/8	6	5 3/4	28 1/2	1/2	2 3/4	4 1/2	5 3/4	16 1/4	1/2	3 3/4	6	5 3/4	36	9/16 x 3/4	36	28	1/4	477	165	467	165	
17'-5"	10	3/4	4 3/8	5 3/16	8	3/4	5 1/4	5 3/16	9	3/8	5 3/16	36	3/4	5 9/16	8	5 3/16	22 3/4	3/4	4 1/8	6 3/4	5 3/16	22 3/4	3/4	4 3/8	7	5 3/16	23	7/16 x 5/8	23	15	3/16	584	175	576	175	
17'-5"	8	1/2	3 1/2	5 3/4	9	3/4	5 1/4	5 3/4	22	1/2	5 3/4	36	1/2	3 5/8	8	5 3/16	28 1/2	1/2	3 7/8	6	5 3/4	19	1/2	3 3/4	8	5 3/4	36	9/16 x 3/4	36	23	1/4	585	175	576	175	
18'-5"	9	3/4	4 3/8	5 7/16																																
18'-5"	10	3/4	4 3/8	5 3/4	8	3/4	5 1/4	5 3/4	18	1/2	5 3/4	36	3/4	5 9/16	8	5 3/4	28 1/2	3/4	4 1/8	6 3/4	5 3/4	28 1/2	3/4	4 3/8	7	5 3/4	36	9/16 x 3/4	36	20	1/4	690	185	681	185	
19'-5"	8	3/4	4 3/8	5 7/16																																
19'-5"	9	3/4	4 3/8	5 3/4																																
20'-5"																																				
20'-5"	8	3/4	4 3/8	5 3/4																																
21'-5"																																				
21'-5"																																				
22'-5"																																				
23'-5"	8	3/4	4 3/8	6 1/4																																
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39'-5"																																				
40'-5"																																				





24 ELMWOOD AVE 1901 S. LITCHFIELD RD
MOUNTAINTOP, PA GOODYEAR, AZ

P: 800.390.8590
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Unless otherwise specified, dimensions are in inches & tolerances are:

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

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

DRAWN BY: TJE
SIZE: B
SCALE: AS NOTED
SHEET: 42/53
DWG NO: ES-16-62-TCCI

L/TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0405 Minimum Thickness Galvanized or Stainless Steel - 30 PSF																							
Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																							
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Tru-Bolt				Powers Wedge-Bolt			
								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
7'-5"	N/A	N/A	N/A	333*	N/A	3/8	24	36	2 3/8	4	4 9/16	32	2 5/8	3 15/16	4 9/16	33	3	4 1/2	4 9/16	26	2	3	4 9/16
7'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	18	2 5/8	3 15/16	5 3/4	19	3	4 1/2	5 3/4	36	3 1/2	5 1/4	5 3/4
13'-5"	1 5/16	0.532	CP1151	333	12	3/8	17	N/A				9	2 5/8	3 15/16	5 3/16	9	3	4 1/2	5 3/16	12	3 1/2	5 1/4	5 3/16
13'-5"	1 5/16	0.532	CP1151	344	12	1/2	18	36	3 5/8	6	5 3/4	23	4 1/2	6 3/4	5 3/4	18	4 1/8	6 3/16	5 3/4	15	3 1/2	5 1/4	5 3/4
14'-5"	1 7/16	0.657	CP1151	334	12	3/8	15	N/A				9	2 5/8	3 15/16	5 7/16	9	3	4 1/2	5 7/16	11	3 1/2	5 1/4	5 7/16
14'-5"	1 7/16	0.657	CP1151	344	12	1/2	18	36	3 5/8	6	5 3/4	20	4 1/2	6 3/4	5 3/4	16	4 1/8	6 3/16	5 3/4	13	3 1/2	5 1/4	5 3/4
15'-5"	1 1/2	0.719	CP1151	334	12	3/8	13	N/A				8	2 5/8	3 15/16	5 7/16	8	3	4 1/2	5 7/16	5	2	3	5 7/16
15'-5"	1 1/2	0.719	CP1151	344	12	1/2	18	36	3 5/8	6	5 3/4	17	4 1/2	6 3/4	5 3/4	14	4 1/8	6 3/16	5 3/4	8	2 1/2	3 3/4	5 3/4
16'-5"	1 1/2	0.719	CP1151	334	11	3/8	11	N/A				6	2 5/8	3 15/16	5 7/16	6	3	4 1/2	5 7/16	5	2 1/2	3 3/4	5 7/16
16'-5"	1 1/2	0.719	CP1151	344	11	1/2	18	36	3 5/8	6	5 3/4	14	4 1/2	6 3/4	5 3/4	12	4 1/8	6 3/16	5 3/4	6	2 1/2	3 3/4	5 3/4
17'-5"	1 1/2	0.656	CP1152	334	10	3/8	9	N/A				5	2 5/8	3 15/16	5 7/16	N/A				6	3 1/2	5 1/4	5 7/16
17'-5"	1.5	0.656	CP1152	344	10	1/2	18	36	3.625	8	5.75	12	4.5	6.75	5.75	9	4.125	6.1875	5.75	8	3.5	5.25	5.75
18'-5"	2	1.219	CP1151	444	11	5/8	18	36	4 3/8	6	6 1/4	18	4 1/2	6 3/4	6 1/4	16	5 1/8	7 11/16	6 1/4	7	3	4 1/2	6 1/4
19'-5"	2	1.156	CP1152	444	10	5/8	18	28	4 3/8	6	6 1/4	16	4 1/2	6 3/4	6 1/4	14	5 1/8	7 11/16	6 1/4	10	4	6	6 1/4
20'-5"	2	1.156	CP1152	445	10	5/8	18	36	4 3/8	6	6 13/16	16	4 1/2	6 3/4	6 13/16	15	7 1/2	11 1/4	6 13/16	10	4	6	6 13/16
21'-5"	2	1.156	CP1152	445	9	5/8	18	28	4 3/8	6	6 13/16	15	4 1/2	6 3/4	6 13/16	13	7 1/2	11 1/4	6 13/16	9	4	6	6 13/16
22'-5"	2	1.156	CP1152	445	9	5/8	18	36	4 3/8	8	6 13/16	14	4 1/2	6 3/4	6 13/16	12	7 1/2	11 1/4	6 13/16	9	4	6	6 13/16
23'-5"	2	1.156	CP1152	445	8	5/8	18	28	4 3/8	8	6 13/16	12	4 1/2	6 3/4	6 13/16	11	7 1/2	11 1/4	6 13/16	8	4	6	6 13/16
24'-5"	2	1.156	CP1152	445	8	5/8	18	N/A				12	4 1/2	6 3/4	6 13/16	N/A				7	4	6	6 13/16
25'-5"	2	1.156	CP1152 & CP1153	445	8	5/8	18	N/A				11	4 1/2	6 3/4	6 13/16	N/A				9	5	7 1/2	6 13/16
26'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				10	4 1/2	6 3/4	6 7/8	N/A				9	5	7 1/2	6 7/8
27'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				10	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8
28'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				9	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8
29'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	17	N/A				8	4 1/2	6 3/4	6 7/8	N/A				7	5	7 1/2	6 7/8
30'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	16	N/A				8	4 1/2	6 3/4	6 7/8	N/A				N/A			N/A
31'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	16	N/A				8	4 1/2	6 3/4	6 7/8	N/A				N/A			N/A
32'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			N/A
33'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			N/A
34'-5"	2	1.156	CP1152 & CP1153	648	6	3/4	18	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			N/A
35'-5"	2 1/2	1.656	CP1152 & CP1153	648	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
36'-5"	2 1/2	1.656	CP1152 & CP1153	648	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
37'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	9	6 5/8	9 15/16	7 1/2	N/A			N/A
38'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	8	6 5/8	9 15/16	7 1/2	N/A			N/A
39'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2	N/A			N/A
40'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				7	5	7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2	N/A			N/A



		24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ		Unless otherwise specified, dimensions are in inches & tolerances are:	
		P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM		0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG	
TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED			DRAWN BY: TJE	SIZE: B	SCALE: AS NOTED
			DWG NO: ES-16-62-TCCI		SHEET: 43/53

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

DBG Up To	Filled CMU															Cracked Concrete Minimum 3,000 PSI Compressive Strength															Steel (Wall anchors are the same diameter as assembly fasteners)					Superimposed Loads			
	Hilti Kwik Bolt 3				Simpson Strong-Bolt 2				Through Bolt			Hilti Kwik Bolt TZ					Simpson Strong-Bolt 2					ITW Redhead Trubolt+					Welded		Through Bolt	Tapped		Vx (+)	Vy (+)	Vx (-)	Vy (-)				
	Max O.C.	Dia.	Embed	Edge Dist	Max O.C.	Dia.	Embed	Edge Dist	Max. O.C.	Dia.	Edge Distance	Max O.C.	Dia.	Embed.	Min Wall Thick.	Edge Dist	Max O.C.	Dia.	Embed.	Min Wall Thick.	Edge Dist	Max O.C.	Dia.	Embed.	Min Wall Thick.	Edge Dist	Max O.C.	Slot Size	Max O.C.	Max O.C.	Min. Thickness								
	N/A				N/A				N/A			N/A					N/A					N/A					N/A		N/A	N/A									
7'-5"	18	3/8	1 5/8	4 9/16	13	3/8	2 5/8	4 9/16	32	3/8	4 9/16	36	3/8	2 5/16	4	4 9/16	36	3/8	1 7/8	3 1/4	4 9/16	22 3/4	3/8	2	4	4 9/16	36	7/16 x 5/8	36	36	3/16	0	113	0	112				
7'-5"	10	3/8	2 1/2	5 3/4	9	1/2	3 1/2	5 3/4	18	3/8	5 3/4	10 5/16	3/8	2 5/16	5	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	14 1/4	3/8	2	5	5 3/4	36	7/16 x 5/8	36	36	3/16	0	113	0	112				
13'-5"	10	3/4	4 3/8	5 3/16	8	3/4	5 1/4	5 3/16	9	3/8	5 3/16	19	1/2	3 5/8	8	5 3/16	36	3/4	4 1/8	6 3/4	5 3/16	28 1/2	3/4	4 3/8	7	5 3/16	25	7/16 x 5/8	25	16	3/16	551	203	536	203				
13'-5"	8	1/2	3 1/2	5 3/4	10	3/4	5 1/4	5 3/4	23	1/2	5 3/4	36	1/2	3 5/8	8	5 3/4	36	1/2	3 7/8	6	5 3/4	28 1/2	1/2	3 3/4	8	5 3/4	36	9/16 x 3/4	36	24	1/4	554	203	536	203				
14'-5"	10	3/4	4 3/8	5 7/16	8	3/4	5 1/4	5 7/16	9	3/8	5 7/16																22	7/16 x 5/8	22	14	3/16	615	217	602	217				
14'-5"	8	3/4	3 1/4	5 3/4	9	3/4	5 1/4	5 3/4	20	1/2	5 3/4	28 1/2	1/2	3 5/8	8	5 3/4	19	1/2	3 7/8	6	5 3/4	36	3/4	4 3/8	7	5 3/4	36	9/16 x 3/4	36	22	1/4	617	218	602	217				
15'-5"	9	3/4	4 3/8	5 7/16			N/A		8	3/8	5 7/16	36	3/4	5 9/16	8	5 7/16	36	3/4	5 3/4	8 3/4	5 7/16	28 1/2	3/4	4 3/8	8	5 7/16	19	7/16 x 5/8	19	12	3/16	723	232	712	232				
15'-5"	10	3/4	4 3/8	5 3/4			N/A		17	1/2	5 3/4	36	3/4	5 9/16	8	5 3/4	19	3/4	4 1/8	6 3/4	5 3/4	22 3/4	3/4	4 3/8	7	5 3/4	34	9/16 x 3/4	34	19	1/4	725	233	712	232				
16'-5"		N/A					N/A		6	3/8	5 7/16	19	3/4	5 9/16	8	5 7/16	36	3/4	5 3/4	8 3/4	5 7/16						16	7/16 x 5/8	16	10	3/16	872	247	861	248				
16'-5"	8	3/4	4 3/8	5 3/4			N/A		14	1/2	5 3/4	28 1/2	3/4	5 9/16	8	5 3/4	36	3/4	5 3/4	8 3/4	5 3/4						28	9/16 x 3/4	28	15	1/4	874	248	861	248				
17'-5"		N/A					N/A		5	3/8	5 7/16																	12	7/16 x 5/8	12	8	3/16	1080	263	1069	263			
17'-5"		N/A					N/A		12	1/2	5 3/4						28.5	0.75	5.75	8.75	5.75						23	9/16 x 3/4	23	12	0.25	1082	263	1069	263				
18'-5"	8	3/4	4 3/8	6 1/4			N/A		18	5/8	6 1/4	19	5/8	4 7/16	8	6 1/4	28 1/2	5/8	5 1/8	7 7/8	6 1/4	36	5/8	4 3/4	6 1/4	6 1/4	36	11/16 x 7/8	36	27	5/16	829	276	821	277				
19'-5"		N/A					N/A		16	5/8	6 1/4																	36	11/16 x 7/8	36	23	5/16	976	291	968	292			
20'-5"		N/A					N/A		16	5/8	6 13/16	22 3/4	3/4	5 9/16	8	6 13/16	36	3/4	5 3/4	8 3/4	6 13/16						36	11/16 x 7/8	36	25	5/16	1092	306	1083	307				
21'-5"		N/A					N/A		15	5/8	6 13/16																	36	11/16 x 7/8	36	22	5/16	1206	321	1198	322			
22'-5"		N/A					N/A		14	5/8	6 13/16																	36	11/16 x 7/8	36	20	5/16	1321	336	1313	337			
23'-5"		N/A					N/A		12	5/8	6 13/16																	34	11/16 x 7/8	34	19	5/16	1436	352	1428	353			
24'-5"		N/A					N/A		12	5/8	6 13/16																	31	11/16 x 7/8	31	17	5/16	1551	367	1543	368			
25'-5"		N/A					N/A		11	5/8	6 13/16																	29	11/16 x 7/8	29	16	5/16	1667	382	1659	383			
26'-5"		N/A					N/A		10	5/8	6 7/8																	26	11/16 x 7/8	26	14	5/16	1784	397	1775	398			
27'-5"		N/A					N/A		10	5/8	6 7/8																	24	11/16 x 7/8	24	13	5/16	1901	412	1893	413			
28'-5"		N/A					N/A		9	5/8	6 7/8																	23	11/16 x 7/8	23	12	5/16	2020	428	2011	429			
29'-5"		N/A					N/A		8	5/8	6 7/8																	21	11/16 x 7/8	21	12	5/16	2140	443	2131	444			
30'-5"		N/A					N/A		8	5/8	6 7/8																	20	11/16 x 7/8	20	11	5/16	2261	458	2252	459			
31'-5"		N/A					N/A		8	5/8	6 7/8																	19	11/16 x 7/8	19	10	5/16	2383	474	2374	475			
32'-5"		N/A					N/A		7	5/8	6 7/8																	18	11/16 x 7/8	18	10	5/16	2507	489	2498	490			
33'-5"		N/A					N/A		7	5/8	6 7/8																	17	11/16 x 7/8	17	9	5/16	2632	504	2623	506			
34'-5"		N/A					N/A		7	3/4	6 7/8																	36	11/16 x 7/8	36	21	3/8	2286	517	2278	518			
35'-5"		N/A					N/A		9	3/4	7 1/2																	36	13/16 x 1	36	20	3/8	2394	533	2386	533			
36'-5"		N/A					N/A		9	3/4	7 1/2																	35	13/16 x 1	35	19	3/8	2502	548	2494	549			
37'-5"		N/A					N/A		8	3/4	7 1/2																	34	13/16 x 1	34	18	3/8	2612	563	2604	564			
38'-5"		N/A					N/A		8	3/4	7 1/2																	32	13/16 x 1	32	17	3/8	2723	579	2714	579			
39'-5"		N/A					N/A		8	3/4	7 1/2																	31	13/16 x 1	31	17	3/8	2835	594	2826	595			
40'-5"		N/A					N/A		7	3/4	7 1/2																	30	13/16 x 1	30	16	3/8	2948	609	2939	610			



	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ		Unless otherwise specified, dimensions are in inches & tolerances are:		
	P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM		0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG		
	TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED		DRAWN BY: TJE	SIZE: B	SCALE: AS NOTED

DWG NO: ES-16-62-TCCI

L/TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0405 Minimum Thickness Galvanized or Stainless Steel - 40 PSF																							
Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																							
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Tru-Bolt				Powers Wedge-Bolt			
								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
7'-5"	N/A	N/A	N/A	333*	N/A	3/8	24	36	2 3/8	4	4 9/16	24	2 5/8	3 15/16	4 9/16	25	3	4 1/2	4 9/16	19	2	3	4 9/16
7'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	14	2 5/8	3 15/16	5 3/4	14	3	4 1/2	5 3/4	28	3 1/2	5 1/4	5 3/4
13'-5"	1 5/16	0.469	CP1152	334	10	3/8	10	N/A				6	2 5/8	3 15/16	5 7/16	6	3	4 1/2	5 7/16	7	3 1/2	5 1/4	5 7/16
13'-5"	1 5/16	0.469	CP1152	344	10	1/2	18	22	3 5/8	6	5 3/4	13	4 1/2	6 3/4	5 3/4	10	4 1/8	6 3/16	5 3/4	8	3 1/2	5 1/4	5 3/4
14'-5"	1 1/2	0.656	CP1152	334	10	3/8	10	N/A				6	2 5/8	3 15/16	5 7/16	6	3	4 1/2	5 7/16	4	2 1/2	3 3/4	5 7/16
14'-5"	1 1/2	0.656	CP1152	344	10	1/2	18	22	3 5/8	6	5 3/4	13	4 1/2	6 3/4	5 3/4	10	4 1/8	6 3/16	5 3/4	6	2 1/2	3 3/4	5 3/4
15'-5"	1 5/8	0.781	CP1152	444	10	5/8	18	28	4 3/8	6	6 1/4	15	4 1/2	6 3/4	6 1/4	13	5 1/8	7 11/16	6 1/4	9	4	6	6 1/4
16'-5"	1 3/4	0.906	CP1152	444	9	5/8	18	36	4 3/8	8	6 1/4	14	4 1/2	6 3/4	6 1/4	12	5 1/8	7 11/16	6 1/4	9	4	6	6 1/4
17'-5"	2	1.156	CP1152	445	10	5/8	18	36	4 3/8	6	6 13/16	16	4 1/2	6 3/4	6 13/16	15	7 1/2	11 1/4	6 13/16	10	4	6	6 13/16
18'-5"	2	1.156	CP1152	445	9	5/8	18	22	4 3/8	6	6 13/16	14	4 1/2	6 3/4	6 13/16	13	7 1/2	11 1/4	6 13/16	9	4	6	6 13/16
19'-5"	2	1.156	CP1152	445	8	5/8	18	36	4 3/8	8	6 13/16	13	4 1/2	6 3/4	6 13/16	12	7 1/2	11 1/4	6 13/16	8	4	6	6 13/16
20'-5"	2	1.156	CP1152	445	8	5/8	18	19	4 3/8	8	6 13/16	12	4 1/2	6 3/4	6 13/16	N/A				7	4	6	6 13/16
21'-5"	2	1.156	CP1152 & CP1153	445	8	5/8	18	N/A				11	4 1/2	6 3/4	6 13/16	N/A				9	5	7 1/2	6 13/16
22'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				10	4 1/2	6 3/4	6 7/8	N/A				9	5	7 1/2	6 7/8
23'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				9	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8
24'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	17	N/A				8	4 1/2	6 3/4	6 7/8	N/A				7	5	7 1/2	6 7/8
25'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	16	N/A				8	4 1/2	6 3/4	6 7/8	N/A				N/A			
26'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
27'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
28'-5"	2	1.156	CP1152 & CP1153	648	6	3/4	18	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
29'-5"	2 1/2	1.656	CP1152 & CP1153	648	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			
30'-5"	2 1/2	1.656	CP1152 & CP1153	648	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			
31'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	8	6 5/8	9 15/16	7 1/2	N/A			
32'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2	N/A			
33'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				7	5	7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2	N/A			
34'-5"	2 1/2	1.656	CP1152 & CP1153	648	5	3/4	17	N/A				7	5	7 1/2	7 1/2	N/A				N/A			
35'-5"	2 1/2	1.656	CP1152 & CP1153	648	5	3/4	16	N/A				7	5	7 1/2	7 1/2	N/A				N/A			



	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ	Unless otherwise specified, dimensions are in inches & tolerances are: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG
	P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM	TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED

L/TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0405 Minimum Thickness Galvanized or Stainless Steel - 40 PSF, Cont.																																								
DBG Up To	Filled CMU									Cracked Concrete Minimum 3,000 PSI Compressive Strength													Steel (Wall anchors are the same diameter as assembly fasteners)						Superimposed Loads											
	Hilti Kwik Bolt 3				Simpson Strong-Bolt 2				Through Bolt			Hilti Kwik Bolt TZ					Simpson Strong-Bolt 2				ITW Redhead Trubolt+				Welded		Through Bolt		Tapped		Vx (+)	Vy (+)	Vx (-)	Vy (-)						
	Max O.C.	Dia.	Embed	Edge Dist	Max O.C.	Dia.	Embed	Edge Dist	Max. O.C.	Dia.	Edge Distance	Max O.C.	Dia.	Embed.	Min Wall Thick.	Edge Dist	Max O.C.	Dia.	Embed.	Min Wall Thick.	Edge Dist	Max O.C.	Dia.	Embed.	Min Wall Thick.	Edge Dist	Max O.C.	Slot Size	Max O.C.	Max O.C.					Min. Thickness					
7'-5"	14	3/8	2 1/2	4 9/16	9	3/8	2 5/8	4 9/16	24	3/8	4 9/16	36	3/8	2 5/16	4	4 9/16	22 3/4	3/8	1 7/8	3 1/4	4 9/16	36	3/8	2 7/8	4 1/2	5 3/4	16 1/4	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	150	0	149
7'-5"	8	3/8	2 1/2	5 3/4	13	3/4	5 1/4	5 3/4	14	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	16 1/4	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	150	0	149					
13'-5"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6	3/8	5 7/16	N/A	N/A	N/A	N/A	N/A	28 1/2	3/4	5 3/4	8 3/4	5 7/16	N/A	N/A	N/A	N/A	N/A	14	7/16 x 5/8	14	9	3/16	986	270	967	271					
13'-5"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	13	1/2	5 3/4	19	3/4	5 9/16	8	5 3/4	36	3/4	5 3/4	8 3/4	5 3/4	N/A	N/A	N/A	N/A	N/A	25	9/16 x 3/4	25	14	1/4	989	271	967	271					
14'-5"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6	3/8	5 7/16	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	14	7/16 x 5/8	14	9	3/16	959	290	944	290					
14'-5"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	13	1/2	5 3/4	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	9/16 x 3/4	25	14	1/4	961	290	944	290					
14'-5"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	15	5/8	6 1/4	N/A	N/A	N/A	N/A	N/A	36	3/4	5 3/4	8 3/4	6 1/4	N/A	N/A	N/A	N/A	36	11/16 x 7/8	36	22	5/16	1031	309	1015	310						
15'-5"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14	5/8	6 1/4	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	36	11/16 x 7/8	36	21	5/16	1098	329	1085	330						
16'-5"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	16	5/8	6 13/16	N/A	N/A	N/A	N/A	N/A	36	3/4	5 3/4	8 3/4	6 13/16	N/A	N/A	N/A	N/A	36	11/16 x 7/8	36	25	5/16	1082	348	1071	349						
17'-5"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14	5/8	6 13/16	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	36	11/16 x 7/8	36	22	5/16	1230	368	1220	369						
18'-5"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	13	5/8	6 13/16	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	35	11/16 x 7/8	35	19	5/16	1378	388	1367	389						
19'-5"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12	5/8	6 13/16	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	32	11/16 x 7/8	32	17	5/16	1524	408	1514	410						
20'-5"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	11	5/8	6 13/16	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	29	11/16 x 7/8	29	16	5/16	1671	429	1661	430						
21'-5"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10	5/8	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	25	11/16 x 7/8	25	14	5/16	1818	449	1808	450						
22'-5"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9	5/8	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	23	11/16 x 7/8	23	13	5/16	1967	469	1956	470						
23'-5"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	5/8	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	22	11/16 x 7/8	22	12	5/16	2116	489	2105	491						
24'-5"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	5/8	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	20	11/16 x 7/8	20	11	5/16	2267	510	2256	511						
25'-5"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7	5/8	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	19	11/16 x 7/8	19	10	5/16	2419	530	2408	532						
26'-5"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7	5/8	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	18	11/16 x 7/8	18	10	5/16	2573	551	2562	552						
27'-5"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7	5/8	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	36	11/16 x 7/8	36	21	3/8	2255	569	2245	569						
28'-5"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7	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	36	13/16 x 1	36	20	3/8	2387	589	2377	590						
29'-5"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9	3/4	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	35	13/16 x 1	35	19	3/8	2521	609	2511	610						
30'-5"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	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	33	13/16 x 1	33	18	3/8	2657	630	2646	630						
31'-5"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	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	31	13/16 x 1	31	17	3/8	2794	650	2783	651						
32'-5"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	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	30	13/16 x 1	30	16	3/8	2932	671	2922	671						
33'-5"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7	3/4	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	28	13/16 x 1	28	15	3/8	3072	691	3062	692						
34'-5"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7	3/4	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	27	13/16 x 1	27	15	3/8	3214	711	3203	712						



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24 ELMWOOD AVE 1901 S. LITCHFIELD RD
MOUNTAINTOP, PA 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 NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED	DRAWN BY: TJE	SIZE: B	SCALE: AS NOTED	SHEET: 46/53
DWG NO: ES-16-62-TCCI				

L/TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0405 Minimum Thickness Galvanized or Stainless Steel - 50 PSF																											
DBG Up To	Windlock Flat Location	Slip	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)																			
								Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Tru-Bolt				Powers Wedge-Bolt							
								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
6'-5"	N/A	N/A	N/A	333*	N/A	3/8	24	36	2 3/8	4	4 9/16	22	2 5/8	3 15/16	4 9/16	23	3	4 1/2	4 9/16	18	2	3	4 9/16				
6'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	28	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	25	3 1/2	5 1/4	5 3/4				
14'-5"	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	N/A				N/A							
15'-5"	1 5/8	0.781	CP1152	445	8	5/8	18	36	4 3/8	8	6 13/16	13	4 1/2	6 3/4	6 13/16	12	7 1/2	11 1/4	6 13/16	8	4	6	6 13/16				
16'-5"	1 3/4	0.906	CP1152	445	8	5/8	18	28	4 3/8	8	6 13/16	12	4 1/2	6 3/4	6 13/16	11	7 1/2	11 1/4	6 13/16	8	4	6	6 13/16				
17'-5"	2	1.156	CP1152	445	8	5/8	18	28	4 3/8	8	6 13/16	12	4 1/2	6 3/4	6 13/16	11	7 1/2	11 1/4	6 13/16	8	4	6	6 13/16				
18'-5"	2	1.156	CP1152 & CP1153	445	8	5/8	18	N/A				11	4 1/2	6 3/4	6 13/16	N/A				10	5	7 1/2	6 13/16				
19'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				10	4 1/2	6 3/4	6 7/8	N/A				9	5	7 1/2	6 7/8				
20'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				9	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8				
21'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	17	N/A				8	4 1/2	6 3/4	6 7/8	N/A				7	5	7 1/2	6 7/8				
22'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15	N/A				8	4 1/2	6 3/4	6 7/8	N/A				N/A							
23'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A							
25'-5"	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	N/A				N/A							
27'-5"	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	N/A				N/A							
28'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2	N/A							
29'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	17	N/A				7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2	N/A							
30'-5"	2 1/2	1.656	CP1152 & CP1153	648	5	3/4	16	N/A				7	5	7 1/2	7 1/2	N/A				N/A							

CP0020 - 0.0405 Minimum Thickness Galvanized or Stainless Steel - 50 PSF, Cont.																					
DBG Up To	Filled CMU										Steel (Wall anchors are the same diameter as assembly fasteners)						Superimposed Loads				
	Hilti Kwik Bolt 3				Simpson Strong-Bolt 2				Through Bolt		Welded		Through Bolt	Tapped							
	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.	Max O.C.	Min. Thickness	Vx (+)	Vy (+)	Vx (-)	Vy (-)	
6'-5"	12	3/8	2 1/2	4 9/16	9	3/8	2 5/8	4 9/16	22	3/8	4 9/16	36	7/16 x 5/8	36	36	3/16	0	162	0	161	
6'-5"	8	1/2	3 1/2	5 3/4	12	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	163	0	161	
14'-5"	N/A				N/A				8	1/2	5 3/4	12	9/16 x 3/4	12	12	1/4	1304	362	1284	363	
15'-5"	N/A				N/A				13	5/8	6 13/16	35	11/16 x 7/8	35	19	5/16	1380	387	1361	388	
16'-5"	N/A				N/A				12	5/8	6 13/16	33	11/16 x 7/8	33	18	5/16	1453	411	1437	412	
17'-5"	N/A				N/A				12	5/8	6 13/16	34	11/16 x 7/8	34	19	5/16	1423	435	1410	436	
18'-5"	N/A				N/A				11	5/8	6 13/16	30	11/16 x 7/8	30	17	5/16	1601	460	1588	462	
19'-5"	N/A				N/A				10	5/8	6 7/8	26	11/16 x 7/8	26	14	5/16	1779	486	1766	487	
20'-5"	N/A				N/A				9	5/8	6 7/8	24	11/16 x 7/8	24	13	5/16	1957	511	1944	512	
21'-5"	N/A				N/A				8	5/8	6 7/8	21	11/16 x 7/8	21	12	5/16	2136	536	2123	538	
22'-5"	N/A				N/A				8	5/8	6 7/8	20	11/16 x 7/8	20	11	5/16	2316	561	2303	563	
23'-5"	N/A				N/A				7	5/8	6 7/8	18	11/16 x 7/8	18	10	5/16	2498	587	2484	589	
25'-5"	N/A				N/A				8	3/4	7 1/2	15	13/16 x 1	15	15	3/8	2364	635	2352	636	
27'-5"	N/A				N/A				N/A				11	13/16 x 1	11	11	3/8	2682	686	2670	686
28'-5"	N/A				N/A				8	3/4	7 1/2	31	13/16 x 1	31	16	3/8	2845	711	2832	712	
29'-5"	N/A				N/A				7	3/4	7 1/2	29	13/16 x 1	29	16	3/8	3008	737	2996	738	
30'-5"	N/A				N/A				7	3/4	7 1/2	27	13/16 x 1	27	15	3/8	3174	762	3162	763	



	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ	Unless otherwise specified, dimensions are in inches & tolerances are:
	P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM	0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG
TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED	DRAWN BY: TJE	SIZE: B
DWG NO: ES-16-62-TCCI	SCALE: AS NOTED	SHEET: 47/53

L/TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0405 Minimum Thickness Galvanized or Stainless Steel - 60 PSF																							
Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																							
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Tru-Bolt				Powers Wedge-Bolt			
								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
6'-5"	N/A	N/A	N/A	333*	N/A	3/8	24	36	2 3/8	4	4 9/16	18	2 5/8	3 15/16	4 9/16	19	3	4 1/2	4 9/16	15	2	3	4 9/16
6'-5"	N/A	N/A	N/A	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	21	3 1/2	5 1/4	5 3/4
14'-5"	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	N/A				N/A			
15'-5"	1 5/8	0.781	CP1152 & CP1153	445	7	5/8	18	N/A				10	4 1/2	6 3/4	6 13/16	N/A				9	5	7 1/2	6 13/16
16'-5"	1 3/4	0.906	CP1152 & CP1153	546	7	5/8	18	N/A				10	4 1/2	6 3/4	6 7/8	N/A				9	5	7 1/2	6 7/8
17'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				10	4 1/2	6 3/4	6 7/8	N/A				9	5	7 1/2	6 7/8
18'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				9	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8
19'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	16	N/A				8	4 1/2	6 3/4	6 7/8	N/A				7	5	7 1/2	6 7/8
20'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
21'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
25'-5"	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	N/A				N/A			
27'-5"	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	N/A				N/A			

CP0020 - 0.0405 Minimum Thickness Galvanized or Stainless Steel - 60 PSF, Cont.																					
DBG Up To	Filled CMU												Steel (Wall anchors are the same diameter as assembly fasteners)					Superimposed Loads			
	Hilti Kwik Bolt 3				Simpson Strong-Bolt 2				Through Bolt				Welded		Through Bolt	Tapped		Vx (+)	Vy (+)	Vx (-)	Vy (-)
	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.	Max O.C.	Min. Thickness					
6'-5"	10	3/8	2 1/2	4 9/16	9	1/2	3 1/2	4 9/16	18	3/8	4 9/16	36	7/16 x 5/8	36	36	3/16	0	195	0	193	
6'-5"	8	3/4	3 1/4	5 3/4	10	3/4	5 1/4	5 3/4	10	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	195	0	193	
14'-5"	N/A				N/A				8	1/2	5 3/4	12	9/16 x 3/4	12	12	1/4	1648	435	1625	436	
15'-5"	N/A				N/A				10	5/8	6 13/16	28	11/16 x 7/8	28	15	5/16	1729	464	1707	466	
16'-5"	N/A				N/A				10	5/8	6 7/8	26	11/16 x 7/8	26	14	5/16	1808	494	1789	495	
17'-5"	N/A				N/A				10	5/8	6 7/8	26	11/16 x 7/8	26	14	5/16	1765	522	1750	524	
18'-5"	N/A				N/A				9	5/8	6 7/8	23	11/16 x 7/8	23	13	5/16	1972	553	1957	554	
19'-5"	N/A				N/A				8	5/8	6 7/8	21	11/16 x 7/8	21	11	5/16	2180	583	2165	585	
20'-5"	N/A				N/A				7	5/8	6 7/8	19	11/16 x 7/8	19	10	5/16	2390	613	2374	615	
21'-5"	N/A				N/A				7	5/8	6 7/8	18	11/16 x 7/8	18	10	5/16	2600	644	2585	646	
25'-5"	N/A				N/A				8	3/4	7 1/2	15	13/16 x 1	15	15	3/8	2863	762	2849	763	
27'-5"	N/A				N/A				N/A				11	13/16 x 1	11	11	3/8	3241	823	3227	824



	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ	Unless otherwise specified, dimensions are in inches & tolerances are: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG
	P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM	TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0405 Minimum Thickness Galvanized or Stainless Steel - 65 PSF																							
Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																							
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Tru-Bolt				Powers Wedge-Bolt			
								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'-5"	N/A	N/A	N/A	333*	N/A	3/8	24	36	2 3/8	4	4 9/16	20	2 5/8	3 15/16	4 9/16	21	3	4 1/2	4 9/16	16	2	3	4 9/16
5'-5"	N/A	N/A	N/A	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	23	3 1/2	5 1/4	5 3/4
14'-5"	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	N/A				N/A			
15'-5"	1 5/8	0.781	CP1152 & CP1153	546	7	5/8	18	N/A				10	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8
16'-5"	1 3/4	0.906	CP1152 & CP1153	546	7	5/8	18	N/A				9	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8
17'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A				9	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8
18'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	16	N/A				8	4 1/2	6 3/4	6 7/8	N/A				7	5	7 1/2	6 7/8
19'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
20'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	13	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
25'-5"	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	N/A				N/A			

CP0020 - 0.0405 Minimum Thickness Galvanized or Stainless Steel - 65 PSF, Cont.																					
DBG Up To	Filled CMU											Steel (Wall anchors are the same diameter as assembly fasteners)						Superimposed Loads			
	Hilti Kwik Bolt 3				Simpson Strong-Bolt 2				Through Bolt			Welded		Through Bolt	Tapped		Vx (+)	Vy (+)	Vx (-)	Vy (-)	
	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.	Max O.C.	Min. Thickness					
5'-5"	11	3/8	2 1/2	4 9/16	8	3/8	2 5/8	4 9/16	20	3/8	4 9/16	36	7/16 x 5/8	36	36	3/16	0	179	0	177	
5'-5"	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	
14'-5"	N/A				N/A				8	1/2	5 3/4	12	9/16 x 3/4	12	12	1/4	1820	472	1796	472	
15'-5"	N/A				N/A				10	5/8	6 7/8	24	11/16 x 7/8	24	13	5/16	1904	503	1880	505	
16'-5"	N/A				N/A				9	5/8	6 7/8	23	11/16 x 7/8	23	13	5/16	1986	535	1965	537	
17'-5"	N/A				N/A				9	5/8	6 7/8	24	11/16 x 7/8	24	13	5/16	1935	566	1919	568	
18'-5"	N/A				N/A				8	5/8	6 7/8	21	11/16 x 7/8	21	12	5/16	2158	599	2142	601	
19'-5"	N/A				N/A				7	5/8	6 7/8	19	11/16 x 7/8	19	10	5/16	2381	632	2365	634	
20'-5"	N/A				N/A				7	5/8	6 7/8	18	11/16 x 7/8	18	9	5/16	2606	665	2590	667	
25'-5"	N/A				N/A				8	3/4	7 1/2	15	13/16 x 1	15	15	3/8	3113	826	3097	827	



24 ELMWOOD AVE 1901 S. LITCHFIELD RD
MOUNTAINTOP, PA GOODYEAR, AZ

P: 800.390.8590
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Unless otherwise specified, dimensions are in inches & tolerances are:

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

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

DRAWN BY: TJE
SIZE: B
SCALE: AS NOTED
SHEET: 49/53

DWG NO: ES-16-62-TCCI

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0405 Minimum Thickness Galvanized or Stainless Steel - 70 PSF																							
Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																							
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Tru-Bolt				Powers Wedge-Bolt			
								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'-5"	N/A	N/A	N/A	333*	N/A	3/8	24	36	2 3/8	4	4 9/16	19	2 5/8	3 15/16	4 9/16	19	3	4 1/2	4 9/16	15	2	3	4 9/16
5'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	6	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	21	3 1/2	5 1/4	5 3/4
14'-5"	1 1/2	0.656	CP1152 & CP1153	546	7	5/8	18	N/A				9	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8
15'-5"	1 5/8	0.781	CP1152 & CP1153	546	7	5/8	18	N/A				9	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8
16'-5"	1 3/4	0.906	CP1152 & CP1153	546	7	5/8	17	N/A				8	4 1/2	6 3/4	6 7/8	N/A				7	5	7 1/2	6 7/8
17'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	16	N/A				8	4 1/2	6 3/4	6 7/8	N/A				7	5	7 1/2	6 7/8
18'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
19'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
20'-5"	2 1/2	1.656	CP1152 & CP1153	648	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			
21'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	9	6 5/8	9 15/16	7 1/2	N/A			
22'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2	N/A			
23'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	17	N/A				7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2	N/A			
24'-5"	2 1/2	1.656	CP1152 & CP1153	648	5	3/4	16	N/A				7	5	7 1/2	7 1/2	N/A				N/A			

CP0020 - 0.0405 Minimum Thickness Galvanized or Stainless Steel - 70 PSF, Cont.																					
DBG Up To	Filled CMU												Steel (Wall anchors are the same diameter as assembly fasteners)					Superimposed Loads			
	Hilti Kwik Bolt 3				Simpson Strong-Bolt 2				Through Bolt				Welded		Through Bolt	Tapped		Vx (+)	Vy (+)	Vx (-)	Vy (-)
	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.	Max O.C.	Min. Thickness					
5'-5"	10	3/8	2 1/2	4 9/16	9	1/2	3 1/2	4 9/16	19	3/8	4 9/16	36	7/16 x 5/8	36	36	3/16	0	192	0	190	
5'-5"	8	3/4	3 1/4	5 3/4	10	3/4	5 1/4	5 3/4	10	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	193	0	190	
14'-5"	N/A				N/A				9	5/8	6 7/8	23	11/16 x 7/8	23	13	5/16	2002	507	1973	509	
15'-5"	N/A				N/A				9	5/8	6 7/8	22	11/16 x 7/8	22	12	5/16	2078	542	2053	544	
16'-5"	N/A				N/A				8	5/8	6 7/8	21	11/16 x 7/8	21	12	5/16	2163	576	2141	578	
17'-5"	N/A				N/A				8	5/8	6 7/8	22	11/16 x 7/8	22	12	5/16	2106	609	2089	612	
18'-5"	N/A				N/A				7	5/8	6 7/8	20	11/16 x 7/8	20	11	5/16	2343	645	2326	647	
19'-5"	N/A				N/A				7	5/8	6 7/8	18	11/16 x 7/8	18	10	5/16	2582	680	2564	683	
20'-5"	N/A				N/A				9	3/4	7 1/2	36	13/16 x 1	36	20	3/8	2314	713	2298	714	
21'-5"	N/A				N/A				8	3/4	7 1/2	34	13/16 x 1	34	18	3/8	2519	749	2503	749	
22'-5"	N/A				N/A				8	3/4	7 1/2	32	13/16 x 1	32	17	3/8	2726	784	2710	785	
23'-5"	N/A				N/A				7	3/4	7 1/2	30	13/16 x 1	30	16	3/8	2936	819	2920	820	
24'-5"	N/A				N/A				7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	3148	855	3132	856	



	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ	Unless otherwise specified, dimensions are in inches & tolerances are: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG
	P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM	TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED
	SIZE: B SCALE: AS NOTED SHEET: 50/53	

L/TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0405 Minimum Thickness Galvanized or Stainless Steel - 80 PSF																							
Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																							
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Tru-Bolt				Powers Wedge-Bolt			
								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'-5"	N/A	N/A	N/A	333*	N/A	3/8	24	36	2 3/8	4	4 9/16	16	2 5/8	3 15/16	4 9/16	17	3	4 1/2	4 9/16	13	2	3	4 9/16
5'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	N/A				9	2 5/8	3 15/16	5 3/4	9	3	4 1/2	5 3/4	19	3 1/2	5 1/4	5 3/4
14'-5"	1 1/2	0.656	CP1152 & CP1153	546	6	5/8	16	N/A				8	4 1/2	6 3/4	6 7/8	N/A				N/A			
15'-5"	1 5/8	0.781	CP1152 & CP1153	546	6	5/8	15	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
16'-5"	1 3/4	0.906	CP1152 & CP1153	546	6	5/8	14	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
17'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
18'-5"	2 1/4	1.406	CP1152 & CP1153	648	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			
19'-5"	2 1/2	1.656	CP1152 & CP1153	648	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			
20'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2	N/A			
21'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	17	N/A				7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2	N/A			
22'-5"	2 1/2	1.656	CP1152 & CP1153	648	5	3/4	16	N/A				7	5	7 1/2	7 1/2	N/A				N/A			

CP0020 - 0.0405 Minimum Thickness Galvanized or Stainless Steel - 80 PSF, Cont.																						
DBG Up To	Filled CMU												Steel (Wall anchors are the same diameter as assembly fasteners)						Superimposed Loads			
	Hilti Kwik Bolt 3				Simpson Strong-Bolt 2				Through Bolt				Welded		Through Bolt	Tapped		Vx (+)	Vy (+)	Vx (-)	Vy (-)	
	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.	Max O.C.	Min. Thickness						
5'-5"	9	3/8	2 1/2	4 9/16	8	1/2	3 1/2	4 9/16	16	3/8	4 9/16	36	7/16 x 5/8	36	36	3/16	0	220	0	217		
5'-5"	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	220	0	217		
14'-5"	N/A				N/A				8	5/8	6 7/8	20	11/16 x 7/8	20	11	5/16	2348	580	2316	582		
15'-5"	N/A				N/A				7	5/8	6 7/8	19	11/16 x 7/8	19	10	5/16	2427	619	2399	622		
16'-5"	N/A				N/A				7	5/8	6 7/8	18	11/16 x 7/8	18	10	5/16	2518	659	2493	661		
17'-5"	N/A				N/A				7	5/8	6 7/8	19	11/16 x 7/8	19	10	5/16	2447	697	2428	699		
18'-5"	N/A				N/A				9	3/4	7 1/2	35	13/16 x 1	35	19	3/8	2437	737	2414	737		
19'-5"	N/A				N/A				9	3/4	7 1/2	35	13/16 x 1	35	19	3/8	2444	775	2425	776		
20'-5"	N/A				N/A				8	3/4	7 1/2	32	13/16 x 1	32	17	3/8	2674	815	2655	816		
21'-5"	N/A				N/A				7	3/4	7 1/2	30	13/16 x 1	30	16	3/8	2905	856	2887	857		
22'-5"	N/A				N/A				7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	3140	896	3122	897		

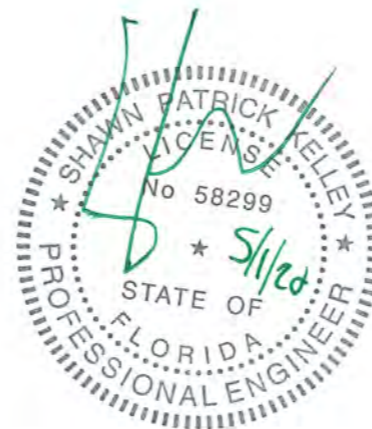


	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ	Unless otherwise specified, dimensions are in inches & tolerances are: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG	
	P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM		
TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED	DRAWN BY: TJE DWG NO: ES-16-62-TCCI	SIZE: B SCALE: AS NOTED	SHEET: 51/53

LTR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0405 Minimum Thickness Galvanized or Stainless Steel - 90 PSF																							
Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																							
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Tru-Bolt				Powers Wedge-Bolt			
								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
4'-5"	N/A	N/A	N/A	333*	N/A	3/8	24	36	2 3/8	4	4 9/16	18	2 5/8	3 15/16	4 9/16	18	3	4 1/2	4 9/16	14	2	3	4 9/16
4'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	11	2 3/8	5	5 3/4	10	2 5/8	3 15/16	5 3/4	10	3	4 1/2	5 3/4	20	3 1/2	5 1/4	5 3/4
14'-5"	1 1/2	0.656	CP1152 & CP1153	546	6	5/8	14	N/A				7	4 1/2	6 3/4	6 7/8	N/A				N/A			
15'-5"	1 5/8	0.781	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	8	6 5/8	9 15/16	7 1/2	N/A			
16'-5"	1 3/4	0.906	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2	N/A			
17'-5"	2	1.156	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2	N/A			
18'-5"	2 1/4	1.406	CP1152 & CP1153	648	6	3/4	18	N/A				8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2	N/A			
19'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	17	N/A				7	5	7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2	N/A			
20'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	16	N/A				7	5	7 1/2	7 1/2	N/A				N/A			

CP0020 - 0.0405 Minimum Thickness Galvanized or Stainless Steel - 90 PSF, Cont.																					
DBG Up To	Filled CMU											Steel (Wall anchors are the same diameter as assembly fasteners)						Superimposed Loads			
	Hilti Kwik Bolt 3				Simpson Strong-Bolt 2				Through Bolt			Welded		Through Bolt	Tapped						
	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.	Max O.C.	Min. Thickness	Vx (+)	Vy (+)	Vx (-)	Vy (-)	
4'-5"	10	3/8	2 1/2	4 9/16	8	1/2	3 1/2	4 9/16	18	3/8	4 9/16	36	7/16 x 5/8	36	36	3/16	0	202	0	199	
4'-5"	12	3/4	4 3/8	5 3/4	9	3/4	5 1/4	5 3/4	10	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	203	0	199	
14'-5"	N/A				N/A				7	5/8	6 7/8	17	11/16 x 7/8	17	9	5/16	2694	653	2658	656	
15'-5"	N/A				N/A				8	3/4	7 1/2	31	13/16 x 1	31	17	3/8	2791	699	2748	700	
16'-5"	N/A				N/A				8	3/4	7 1/2	30	13/16 x 1	30	16	3/8	2886	743	2848	744	
17'-5"	N/A				N/A				8	3/4	7 1/2	31	13/16 x 1	31	17	3/8	2801	786	2770	787	
18'-5"	N/A				N/A				8	3/4	7 1/2	31	13/16 x 1	31	17	3/8	2773	829	2748	830	
19'-5"	N/A				N/A				7	3/4	7 1/2	31	13/16 x 1	31	17	3/8	2777	872	2757	873	
20'-5"	N/A				N/A				7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	3033	918	3013	919	



	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ	Unless otherwise specified, dimensions are in inches & tolerances are: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG
	P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM	TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/16/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

CP0020 - 0.0405 Minimum Thickness Galvanized or Stainless Steel - 100 PSF																							
Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																							
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Tru-Bolt				Powers Wedge-Bolt			
								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
4'-5"	N/A	N/A	N/A	333*	N/A	3/8	24	36	2 3/8	4	4 9/16	16	2 5/8	3 15/16	4 9/16	16	3	4 1/2	4 9/16	13	2	3	4 9/16
4'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	N/A				9	2 5/8	3 15/16	5 3/4	9	3	4 1/2	5 3/4	18	3 1/2	5 1/4	5 3/4
14'-5"	1 1/2	0.656	CP1152 & CP1153	648	5	3/4	18	N/A				7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2	N/A			
15'-5"	1 5/8	0.781	CP1152 & CP1153	648	5	3/4	17	N/A				7	5	7 1/2	7 1/2	N/A							
16'-5"	1 3/4	0.906	CP1152 & CP1153	648	5	3/4	17	N/A				7	5	7 1/2	7 1/2	N/A							
17'-5"	2	1.156	CP1152 & CP1153	648	5	3/4	16	N/A				7	5	7 1/2	7 1/2	N/A							
18'-5"	2 1/4	1.406	CP1152 & CP1153	648	5	3/4	16	N/A				7	5	7 1/2	7 1/2	N/A							
19'-5"	2 1/2	1.656	CP1152 & CP1153	648	5	3/4	15	N/A				7	5	7 1/2	7 1/2	N/A							

CP0020 - 0.0405 Minimum Thickness Galvanized or Stainless Steel - 100 PSF, Cont.																					
DBG Up To	Filled CMU											Steel (Wall anchors are the same diameter as assembly fasteners)						Superimposed Loads			
	Hilti Kwik Bolt 3				Simpson Strong-Bolt 2				Through Bolt			Welded		Through Bolt	Tapped		Superimposed Loads				
	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.	Max O.C.	Min. Thickness	Vx (+)	Vy (+)	Vx (-)	Vy (-)	
4'-5"	9	3/8	2 1/2	4 9/16	15	3/4	5 1/4	4 9/16	16	3/8	4 9/16	36	7/16 x 5/8	36	36	3/16	0	224	0	221	
4'-5"	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	221	
14'-5"	N/A				N/A				7	3/4	7 1/2	29	13/16 x 1	29	15	3/8	3057	728	3004	729	
15'-5"	N/A				N/A				7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	3142	777	3095	778	
16'-5"	N/A				N/A				7	3/4	7 1/2	27	13/16 x 1	27	14	3/8	3243	826	3201	827	
17'-5"	N/A				N/A				7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	3144	874	3110	875	
18'-5"	N/A				N/A				7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	3109	921	3081	923	
19'-5"	N/A				N/A				7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	3111	969	3089	970	



	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ	Unless otherwise specified, dimensions are in inches & tolerances are: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG
	P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM	TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR CP0020 SLAT NON-IMPACT RATED