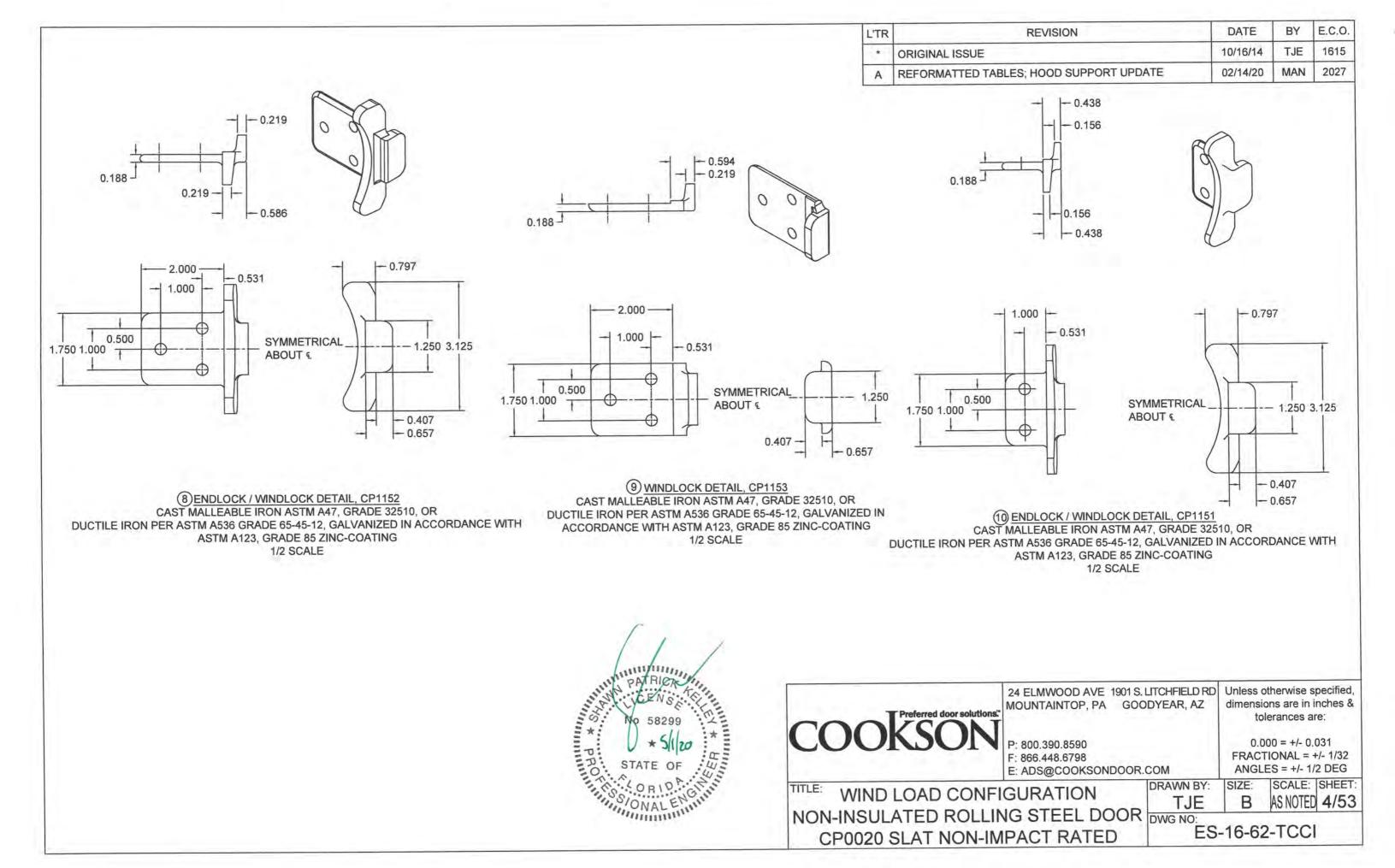
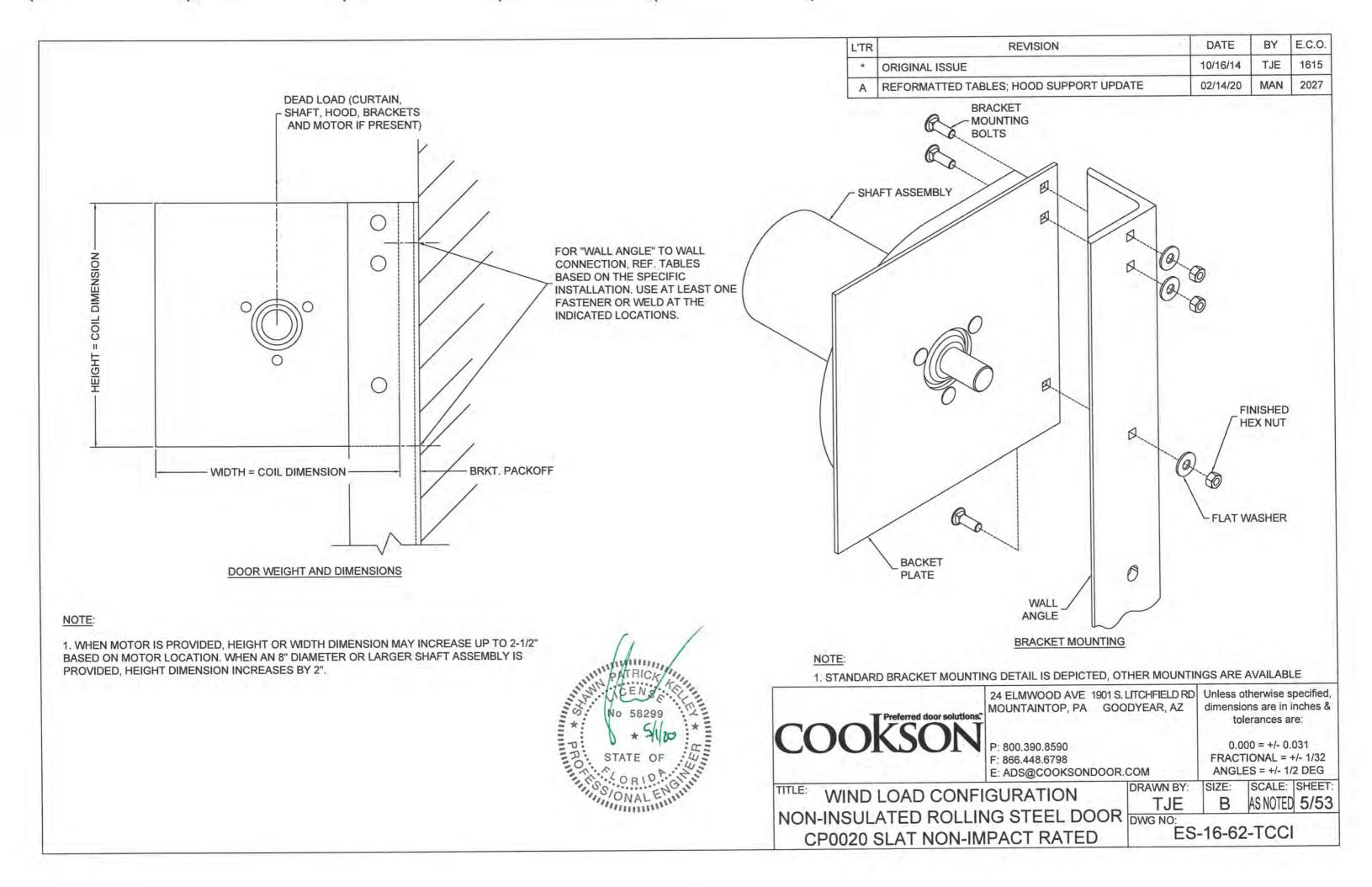
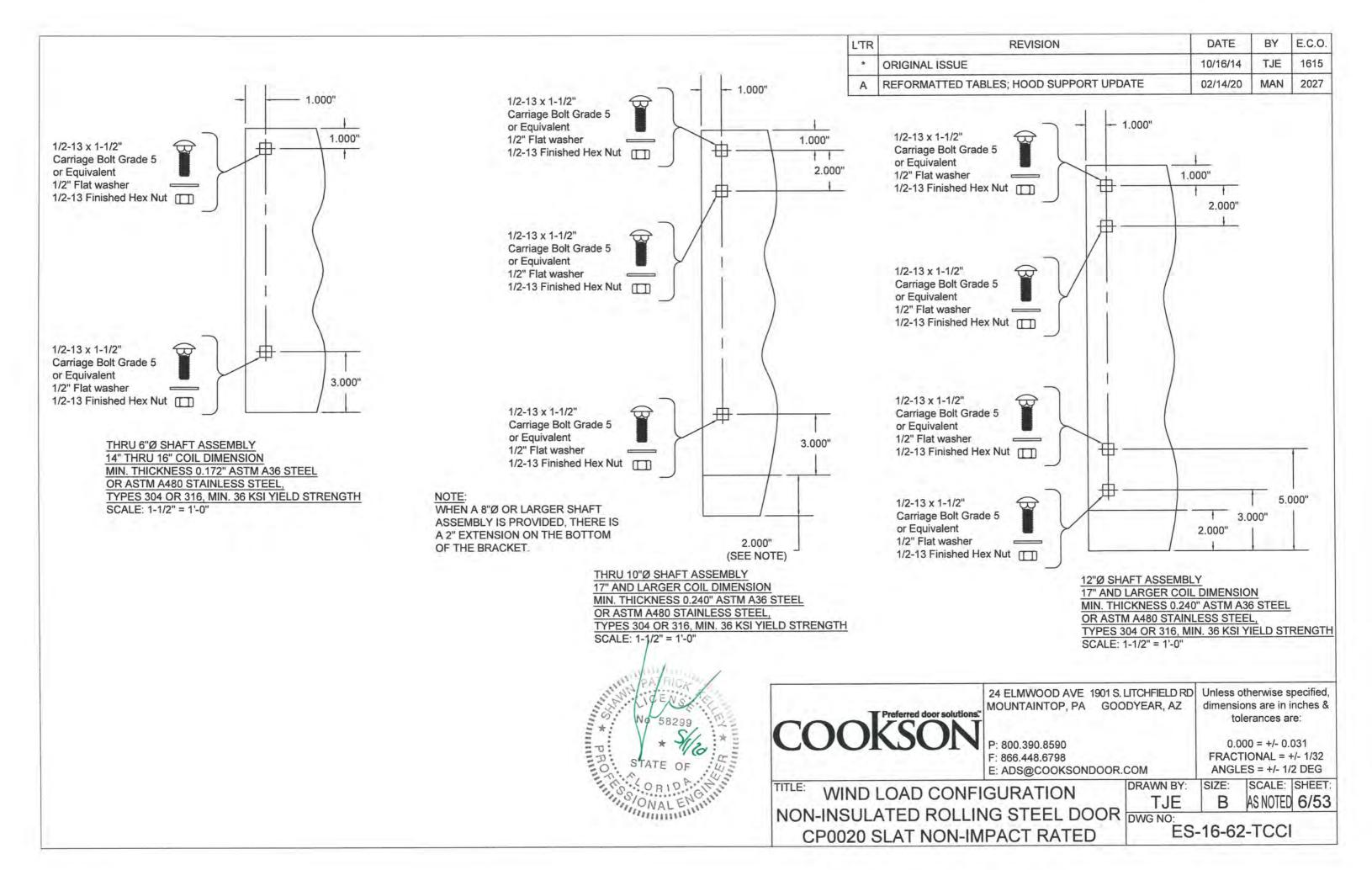


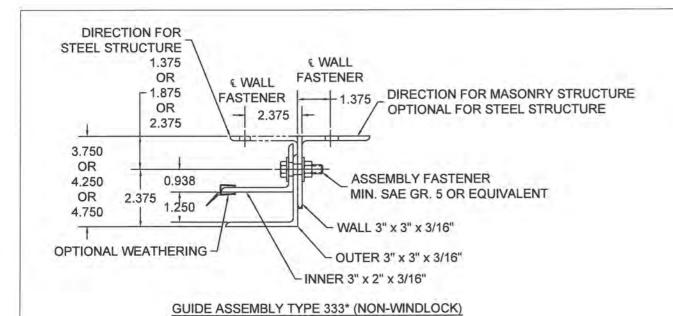
ES-16-62-TCCI

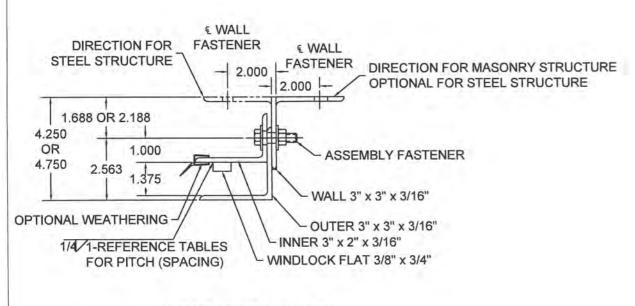
CP0020 SLAT NON-IMPACT RATED









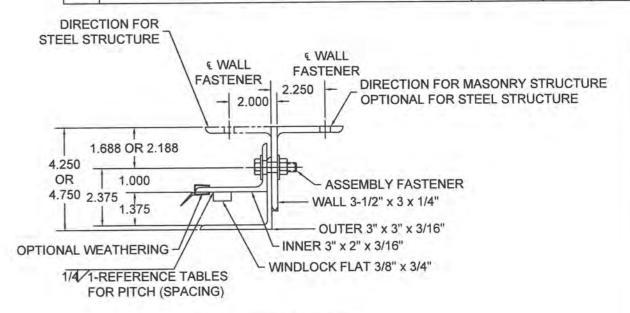


GUIDE ASSEMBLY TYPE 333 SCALE: 3" = 1'-0"

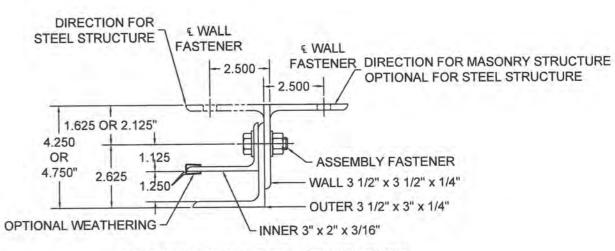
SCALE: 3" = 1'-0"



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



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



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



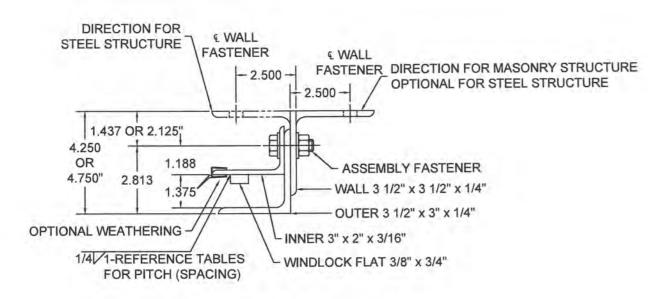
24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ

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

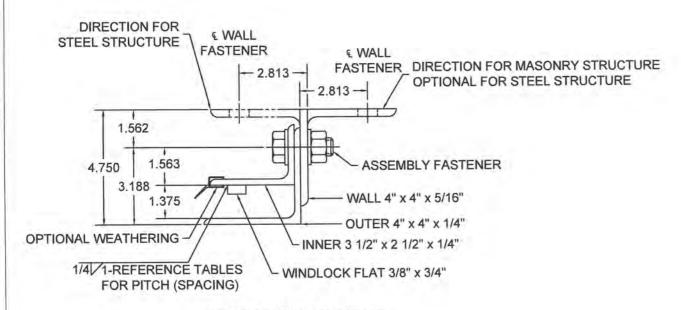
P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG

NON-INSULATED ROLLING STEEL DOOR
CP0020 SLAT NON-IMPACT RATED

TJE B AS NOTED 7/53

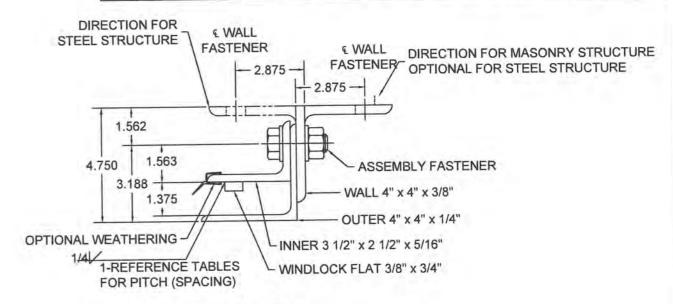


#### GUIDE ASSEMBLY TYPE 344 SCALE: 3" = 1'-0"

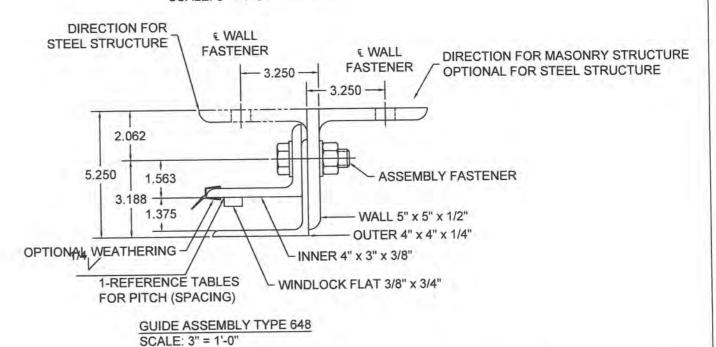


GUIDE ASSEMBLY TYPE 445 SCALE: 3" = 1'-0"

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



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





\* THE STATE OF WAS SONALE STATE

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

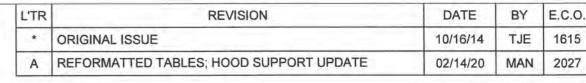
Unless otherwise specified, dimensions are in inches & tolerances are:

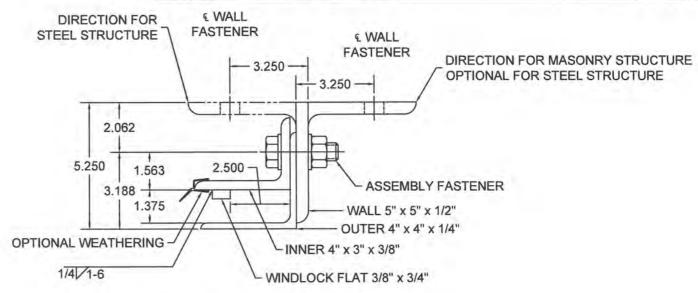
P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM

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

NON-INSULATED ROLLING STEEL DOOR
CP0020 SLAT NON-IMPACT RATED

TJE B AS NOTED 8/53

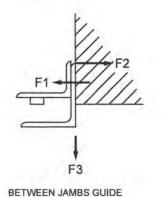




GUIDE ASSEMBLY TYPE DC 2 & DC 3 SCALE: 3" = 1'-0"

DIRECTION FOR € WALL STEEL STRUCTURE **FASTENER** & WALL FASTENER DIRECTION FOR MASONRY STRUCTURE 2.500 OPTIONAL FOR STEEL STRUCTURE 1.437 OR 2.125" 4.250 1.500 OR 1.188 ASSEMBLY FASTENER 4.750" 2.813 WALL 3 1/2" x 3 1/2" x 1/4" 1.375 OUTER 3 1/2" x 3" x 1/4" OPTIONAL WEATHERING INNER 3" x 2" x 1/4" 1/4/1-8 WINDLOCK FLAT 3/8" x 3/4"

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

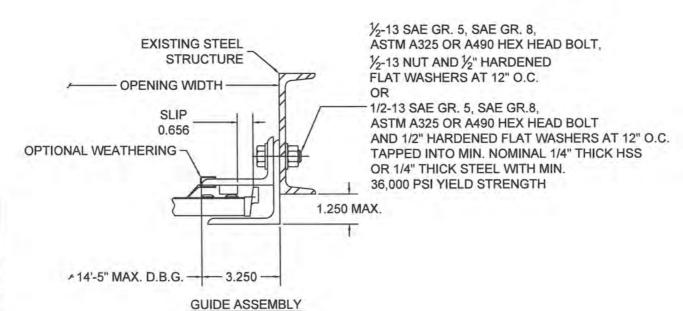


2.72.10

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

D	ETWEEN J	AIVIDO GOI	DE (14-5	VIAA. D.B.C	)
	<b>POSITIVE</b>			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.



STEEL STRUCTURE

(BETWEEN JAMBS GUIDE)

COOKSON Preferred door solutions.

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

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

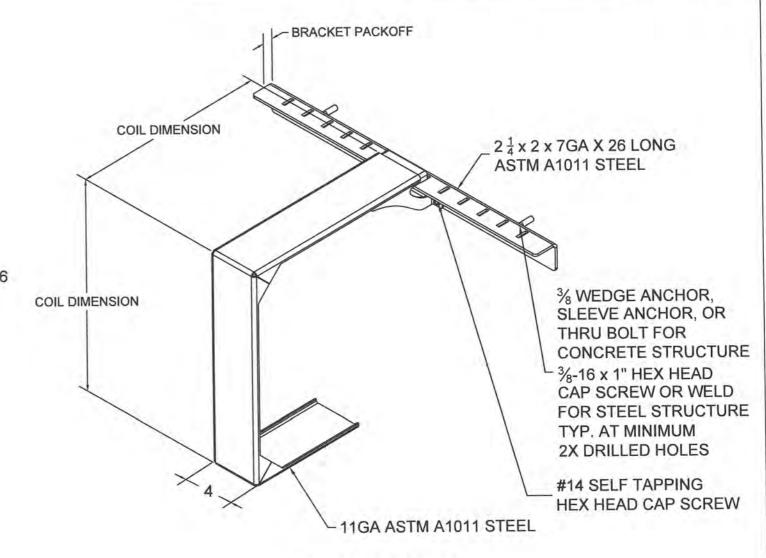
P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM

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

NON-INSULATED ROLLING STEEL DOOR
CP0020 SLAT NON-IMPACT RATED

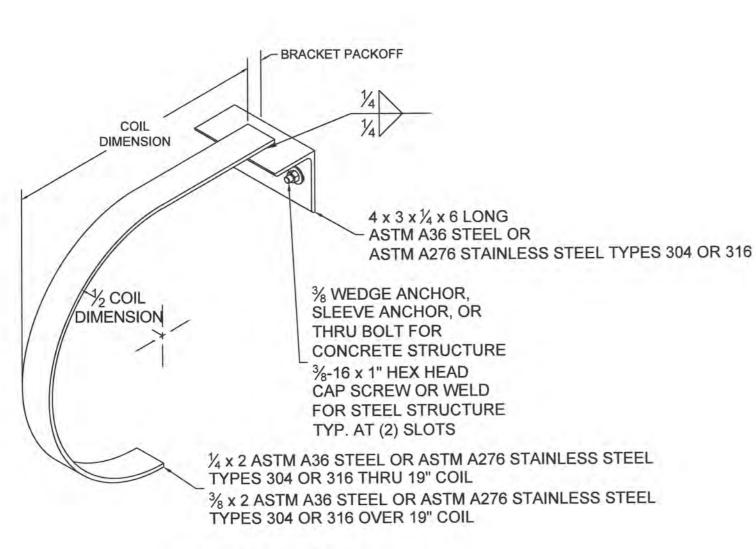
DRAWN BY: SIZE: SCALE: SHEET:
TJE B AS NOTED 9/53

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



MID-HOOD SUPPORT
(WHEN REQUIRED)

SQUARE STYLE DEPICTED, "D" SHAPE ALSO AVAILABLE
SCALE: NTS



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



COOKSON

P: 800.390.8590
F: 866.448.6798

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

> 0.0 FRAC

0.000 = +/- 0.031 FRACTIONAL = +/- 1/32

Unless otherwise specified, dimensions are in inches &

tolerances are:

ANGLES = +/- 1/2 DEG

GURATION DRAWN BY: STATE THE STATE OF THE ST

JE B AS NOTED 10/53

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
Α	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

				1				CP0020 -	0.0220 Mi	inimum Thic					co al /		ALCOHOLD IN	rational contract		/standalast/			
									Diffet M.	11. 0. 14. 2	Concret	e Minimum		Wedge All	e Strength (	Anchors are		liameter as a	assembly to	isteners)	Powers V	Vedge-Bolt	
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	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
2'-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
2'-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
3'-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
3'-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
4'-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
4'-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
5'-5"	1 1/2	0.719	CP1151	333	12	3/8	18			I/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
5'-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
6'-5"	1 1/2	0.719	CP1151	334	12	3/8	16			I/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
6'-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
7'-5"	1 1/2	0.719	CP1151	334	12	3/8	14			I/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
7'-5"	1 1/2	0.719	CP1151	344	12	1/2	18	36	3 5/8	T 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
8'-5"	1 1/2	0.719	CP1151	334	11	3/8	13			_		7	2 5/8	3 15/16	5 7/16	7	3	4 1/2	5 7/16	4	2	3	5 7/1
3'-5"	1 1/2	0.719	CP1151	344	11	1/2	18	36			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
9'-5"	1 1/2	0.656	CP1152	334	10	3/8	11			-	9.0/	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 7/1
9'-5"	1 1/2	0.656	CP1152	344	10	1/2	18	28	N/A 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
0'-5"	1 1/2	0.656	CP1152	334	10	3/8	10				3 3/1	5	2 5/8	3 15/16	5 7/16			/A	5 5/1	4	2 1/2	3 3/4	5 7/1
0'-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
1'-5"	1 1/2	0.656	CP1152	334	9	3/8	9	30		I/A	3 3/4	5	2 5/8	3 15/16	5 7/16	- 10		/A		6	3 1/2	5 1/4	5 7/1
1'-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
2'-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
3'-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
4'-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
5'-5"	2	1.156	CP1152	444	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 5/1
				-	9		18	-	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 13/1
6'-5"	2	1.156	CP1152	445	9	5/8		28	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 13/1
7'-5"	2	1.156	CP1152	7.1	-		18	36		_		-	4 1/2	6 3/4	6 13/16	12	7 1/2	11 1/4	6 13/16	8	4	6	6 13/1
8'-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	11	7 1/2	11 1/4	6 13/16	8	4	6	6 13/1
9'-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 13/1
0'-5"	2	1.156	CP1152 & CP1153	445	8	5/8	-	- 22		N/A	0 13/10	11	4 1/2	6 3/4	6 13/16	11		11 1/4 1/A	0 13/10	7	4	6	6 13/1
1'-5"	2	1.156	CP1152 & CP1153	445	8	-	18				_	-	_		-			***		9	5	7 1/2	6 13/1
2'-5"	2	1.156	CP1152 & CP1153	445	8	5/8	18			V/A		11	4 1/2	6 3/4	6 13/16			I/A	_	9	5	7 1/2	6 13/1
3'-5"	2	1.156	CP1152 & CP1153	445	7	5/8	18			N/A	-	10	4 1/2	6 3/4	6 13/16			1/A	_	9	5	_	-
4'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	-		N/A		10	4 1/2	6 3/4	6 7/8		_	I/A		-	-	7 1/2	6 7/8
5'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18			-	-	10	4 1/2	6 3/4	6 7/8			N/A		8	5	_	6 7/8
6'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18		N/A N/A			9	4 1/2	6 3/4	6 7/8			I/A		8	5	7 1/2	6 7/8
7'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18		N/A				4 1/2	6 3/4	6 7/8	-		N/A		8	5	7 1/2	6 7/8
8'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	17			N/A		8	4 1/2	6 3/4	6 7/8			V/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		1		N/A	
40'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	16		- 1	N/A		8	4 1/2	6 3/4	6 7/8		- 1	N/A				N/A	





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

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

SCALE: SHEET: AS NOTED 11/53

dimensions are in inches & tolerances are:

DRAWN BY: SIZE:

WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR

CP0020 SLAT NON-IMPACT RATED

TJE B AS NOTED DWG NO:
ES-16-62-TCCI CP0020 SLAT NON-IMPACT RATED

L'T	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/15/14	TJE	1615
A	REFORMATTED TABLES; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

														CP002	0 - 0.0220	Minimum 1	Thickness G	alvanized or	r Stainless	Steel - 20 P.	F, Cont.														
				-		Filled CN	ΛU				= 1							crete Minim			1000	th					Steel (W	all anchors are	the same ( steners)	diameter as	assembly		Superimpo	sed Loads	
DBG		Hilti Kw	vik Bolt 3			Simpson	Strong-Bolt	2		Through Bo	lt		Hi	lti Kwik Bolt	TZ			Simps	son Strong-	Bolt 2			ITW	Redhead Tru	ibolt+		W	/elded	Through Bolt	Тар	ped		-		
Up To	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	Vx (+)	Vy (+)	Vx (-)	Vy (-)
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 3/16	36	7/16 x 5/8	36	26	3/16	341	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	_	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	_	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		100000	N/A	45.30	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"			I/A	1/-	1		N/A		6	3/8	5 7/16			N/A		512			N/A					N/A			14	7/16 x 5/8	14	9	3/16	958	196	952	196
19'-5"			I/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"			I/A		100		N/A		5	3/8	5 7/16		9.3	N/A		1330 I	100		N/A					N/A			13	7/16 x 5/8	13	8	3/16	1052	206	1045	207
20'-5"			I/A				N/A	-	12	1/2	5 3/4			N/A			111		N/A					N/A			23	9/16 x 3/4	23	13	1/4	1053	206	1045	207
21'-5"		N	I/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	I/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"			I/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"			I/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"			I/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"			I/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"			I/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	1212	265	1206	266
27'-5"			I/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"			I/A	-	1		N/A		13	5/8	6 13/16			N/A					N/A					N/A			36	11/16 x 7/8	36	20	5/16	-	286	1360	286
29'-5"			I/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"			I/A		1		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"			V/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"			V/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	-	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		1		N/A	- 72 5	9	5/8	6 7/8			N/A					N/A					N/A			22	11/16 x 7/8	22	12	5/16		379	2102	380
38'-5"		_	V/A		1		N/A		8	5/8	6 7/8			N/A					N/A			1000		N/A			21	11/16 x 7/8	21	11	5/16	2196	389	2190	390
39'-5"			N/A		1		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		1		N/A	-	8	5/8	6 7/8			N/A					N/A			1		N/A			19	11/16 x 7/8	19	10	5/16	2374	410	2368	411





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DRAWN BY:

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

0.000 = +/- 0.031

FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG SCALE: SHEET: AS NOTED 12/53 SIZE:

WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO:
ES-16-62-TCCI CP0020 SLAT NON-IMPACT RATED

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

No.   No.																							
		A Second I					1 11				Concret	te Minimum	3,000 PSI (	Compressive	e Strength (	Anchors are	the same o	diameter as	assembly fa	steners)			
DBG		Secr		Guide					Hilti Kw	ik Bolt 3			Simpson	Wedge All			Red Hea	d Tru-Bolt		1 1	Powers V	1	
		Slip	Windlock					Max O.C.	Embed		Edge Dist	Max O.C.	Embed		Edge Dist	Max O.C.	Embed		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	8 36 3 5/8 6 5 3/4 16 1 N/A 6 8 28 3 5/8 6 5 3/4 13 0 N/A 5 8 28 3 5/8 8 5 3/4 12 8 36 4 3/8 6 6 1/4 18			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	11-	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	N/A 5 2 5 28 3 5/8 8 5 3/4 12 4 1 36 4 3/8 6 6 1/4 18 4 1 28 4 3/8 6 6 1/4 16 4 1			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 13/1
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 13/1
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 13/1
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	I/A		8	4	6	6 13/1
24'-5"	2	1.156	CP1152 & CP1153	445	8	5/8	18		N	/A		11	4 1/2	6 3/4	6 13/16			I/A		10	5	7 1/2	6 13/1
25'-5"	2	1.156	CP1152 & CP1153	445	7	5/8	18		N	/A		10	4 1/2	6 3/4	6 13/16		1	I/A		9	5	7 1/2	6 13/1
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	I/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			I/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		1	I/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			I/A		7	5	7 1/2	6 7/8
30'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	16		N	I/A		8	4 1/2	6 3/4	6 7/8		1	I/A				N/A	
31'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15		N	I/A		7	4 1/2	6 3/4	6 7/8			I/A				N/A	
32'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15		N	I/A		7	4 1/2	6 3/4	6 7/8		1	I/A				N/A	
33'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14		N	I/A		7	4 1/2	6 3/4	6 7/8		1	N/A			1	N/A	
34'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		N	I/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	I/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	I/A		9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2		1	N/A	
37'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		N	I/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	I/A		8	5	7 1/2	7 1/2	8	6 5/8	9 15/16	7 1/2		1	N/A	
39'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		N	I/A		8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2		3	N/A	
40'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18			I/A		7	5	7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2		- 1	N/A	





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NON-INSULATED ROLLING STEEL DOOR

STORY OF AT MON IMPACT RATED

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

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

SCALE: SHEET: AS NOTED 13/53

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

						Filled	d CMU											Thickness G Cracked Con					th					Steel (W	all anchors are	the same fasteners)	diameter as	assembly		Superimpo	osed Loads	
DBG									2	Т	hrough Bo	lt		н	ilti Kwik Bolt	TZ			Simp	oson Strong	Bolt 2			ıTW	Redhead Tr	ubolt+		W	'elded	Through Bolt	Таг	pped		Superimpe	300 00003	
Up To	Max O.C.	Dia.	Embed	Edge Dist	Max	x O.C. D	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	Vx (+)	Vy (+)	Vx (-)	Vy (-)
6'-5"	8	3/8	1 5/8	4 9/16	-	15 3	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	+		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	+		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			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/			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	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 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 4 4 3/8 5 7/16 N/A 7 3/8 5 7/16 36 3/4 5 9/16 4 4 3/8 5 3/4 N/A 16 1/2 5 3/4 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	3/4 4 3/8 5 7/16 N/A 7 3/8 5 7/16 36 3/4 5 9/16 3/4 4 3/8 5 3/4 N/A 16 1/2 5 3/4 36 3/4 5 9/16						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	1000				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	1 3 3 3		N/A					N/A					N/A			36	11/16 x 7/8	36	22	5/16	990	276	983	277
19'-5"	10	N	/A				N/	/A		14	5/8	6 1/4			N/A					N/A					N/A			36	11/16 x 7/8	_	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	-	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	-	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	-	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	-	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	-	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	-	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	_	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	-	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	_	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	_	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	_	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	_	10	5/16	2549	492	2540	493
33'-5"		N	/A				N/	/A		7	5/8	6 7/8	1		N/A					N/A					N/A			17	11/16 x 7/8	_	9	5/16	2671	508	2662	509
34'-5"		N	I/A		1		N/	/A		10	3/4	7 1/2			N/A					N/A			1		N/A		-	36	13/16 x 1	36	20	3/8	2323	520	2421	536
35'-5"		- 1	I/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	2527	551
36'-5"		- 1	I/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 2643	551 566	2635	567
37'-5"		- 1	I/A				N,	/A		8	3/4	7 1/2	1		N/A					N/A			-		N/A			33	13/16 x 1	33	18	3/8	2752	582	2744	583
38'-5"		- 1	I/A				N,	/A		8	3/4	7 1/2			N/A					N/A			1		N/A			32	13/16 x 1	32	17	3/8	2862	598	2854	598
39'-5"			I/A				N,	/A		8	3/4	7 1/2			N/A					N/A					N/A		-	31	13/16 x 1	31	16		2974	614	2966	614
40'-5"			I/A				N	/A		7	3/4	7 1/2			N/A					N/A					N/A			29	13/16 x 1	29	16	3/8	29/4	014	2300	014





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

P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM

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

NON-INSULATED ROLLING STEEL DOOR

ES-16-62-TCCI

SCALE: SHEET: AS NOTED 14/53

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

								CP0020 -	0.0220 Mi	nimum Thi	ckness Galv	anized or St	ainless Ste	el - 40 PSF						at a sevel			
											Concret	te Minimum			e Strength (	Anchors are			issembly la	isteners)	Danier II	Vedge-Bolt	
4.5	Windlock			6.0	Windlock	Assembly	Assembly		Hilti Kw	rik Bolt 3			Simpson	Wedge All			Red Head				Powers v	_	
DBG Up To	Flat Location	Slip	Windlock	Guide Assembly	Weld Pitch	Fastener Diameter	Fastener Spacing	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist		Embed	Min. Wall Thick.		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	5 3/4
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 7/16
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 3/4
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	
13'-5"	1 1/2	0.656	CP1152	334	10	3/8	10		N	I/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		1	I/A		11	4 1/2	6 3/4	6 13/16			I/A		9	5	7 1/2	6 13/10
21'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18		V	N/A		10	4 1/2	6 3/4	6 7/8			I/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			I/A		8	5	7 1/2	6 7/8
23'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18		1	N/A		9	4 1/2	6 3/4	6 7/8		N	I/A		8	5	7 1/2	6 7/8
24'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	17		1	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			I/A				N/A	
26'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15		1	N/A		7	4 1/2	6 3/4	6 7/8		N	N/A		-		N/A	
27'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14		1	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		1	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				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		1	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	





P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM

DRAWN BY:

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

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

NON-INSULATED ROLLING STEEL DOOR

ES-16-62-TCCI CP0020 SLAT NON-IMPACT RATED

SIZE:

SCALE: SHEET: AS NOTED 15/53

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

					- 3	Filled CMU						Steel (W	all anchors are	the same of	liameter as	assembly			er Service	
DBG		Hilti K	vik Bolt 3			Simpson S	trong-Bolt 2	2	Т	hrough Bo	lt	w	elded	Through Bolt	Тар	ped		Superimpo	osed Loads	
Up To	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"	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"		- 1	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"		1	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"		1	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"		- 1	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"		1	N/A			N	I/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				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	I/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	I/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				N	/A		12	5/8	6 13/16	33	11/16 x 7/8	33	18	5/16	1495	389	1485	390
20'-5"		- 1	N/A			N	I/A		11	5/8	6 13/16	30	11/16 x 7/8	30	16	5/16	1631	409	1621	411
21'-5"		- 1	N/A			N	I/A		10	5/8	6 7/8	26	11/16 x 7/8	26	14	5/16	1768	430	1758	431
22'-5"		- 1	N/A			N	I/A		9	5/8	6 7/8	24	11/16 x 7/8	24	13	5/16	1907	450	1896	452
23'-5"		- 1	N/A			N	I/A		9	5/8	6 7/8	22	11/16 x 7/8	22	12	5/16	2047	471	2037	472
24'-5"		- 1	N/A			N	I/A		8	5/8	6 7/8	21	11/16 x 7/8	21	11	5/16	2190	492	2180	493
25'-5"		- 1	N/A		/	N	I/A		8	5/8	6 7/8	20	11/16 x 7/8	20	11	5/16	2335	512	2325	514
26'-5"		- 1	N/A			N	I/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				N	I/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					N	I/A		9	3/4	7 1/2	36	13/16 x 1	36	20	3/8	2309	571	2299	571
29'-5"			N/A				I/A		9	3/4	7 1/2	36	13/16 x 1	36	19	3/8	2438	591	2428	592
30'-5"		3	N/A			N	I/A		9	3/4	7 1/2	34	13/16 x 1	34	18	3/8	2568	612	2558	613
31'-5"		- 1	N/A			1	I/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	I/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 Unless otherwise specified, MOUNTAINTOP, PA GOODYEAR, AZ

dimensions are in inches & tolerances are:

P: 800.390.8590 0.000 = +/- 0.031F: 866.448.6798 E: ADS@COOKSONDOOR.COM FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG

TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO: CP0020 SLAT NON-IMPACT RATED

SCALE: SHEET: AS NOTED 16/53 SIZE: DRAWN BY: В

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

								Croozo	0.0220 1111		Concret	e Minimum	3.000 PSI (	ompressive	Strength (A	Anchors are	the same o	diameter as a	assembly fa	steners)			
							Assembly		Hilti Ku	ik Bolt 3	Concret			Wedge All				d Tru-Bolt			Powers V	Vedge-Bolt	
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Fastener Spacing	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	CMED 7, 5100 7.	Embed	Min. Wall Thick.	coke ois
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		1	I/A		7	4	7 1/2	6 13/16
18'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A N/A				10	4 1/2	6 3/4	6 7/8			I/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		1	V/A		8	5	7 1/2	6 7/8
20'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	17		1	V/A		9	4 1/2	6 3/4	6 7/8		1	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		1	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		1	N/A		7	4 1/2	6 3/4	6 7/8		1	N/A			-	N/A	
24'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		1	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 N/A			9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2		- 10	N/A		
26'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A N/A				8	5	7 1/2	7 1/2	9	6 5/8	9 15/16	7 1/2		11	N/A	
27'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A 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	





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WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO:
ES-16-62-TCCI CP0020 SLAT NON-IMPACT RATED

Unless otherwise specified, dimensions are in inches &

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

SCALE: SHEET: AS NOTED 17/53 SIZE: DRAWN BY:

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

	4						CP0020 - 0	0.0220 Minit	mum Thickn	ess Galvar	nized or Stai	nless Steel	50 PSF, Cont.							
						Filled CML	j					Steel (W	all anchors are	the same of	diameter as	assembly		Superimp	osed Loads	
DBG		Hilti Kv	vik Bolt 3			Simpson S	trong-Bolt 2	2	Т	hrough Bo	olt	w	elded	Through Bolt	Тар	ped		Superimp	osed Loads	
Up To	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"	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"		1	I/A			N	I/A		15	5/8	6 13/16	36	11/16 x 7/8	36	21	5/16	1272	313	1249	314
13'-5"			I/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"		- 1	I/A			N	I/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 N/A N/A				I/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				1	N	I/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				N	I/A		11	5/8	6 13/16	31	11/16 x 7/8	31	17	5/16	1569	436	1558	438
18'-5"		1	I/A			N	I/A		10	5/8	6 7/8	27	11/16 x 7/8	27	15	5/16	1732	461	1720	463
19'-5"		1	I/A			N	I/A		9	5/8	6 7/8	24	11/16 x 7/8	24	13	5/16	1897	487	1884	489
20'-5"			I/A			N	I/A		9	5/8	6 7/8	22	11/16 x 7/8	22	12	5/16	2063	512	2051	514
21'-5"			I/A			N	I/A		8	5/8	6 7/8	21	11/16 x 7/8	21	11	5/16	2232	538	2220	540
22'-5"		1	I/A			٨	I/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	I/A		7	5/8	6 7/8	18	11/16 x 7/8	18	10	5/16	2578	590	2565	592
24'-5"		1	N/A			N	I/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 N/A						9	3/4	7 1/2	36	13/16 x 1	36	19	3/8	2432	637	2421	638	
26'-5"						I/A		8	3/4	7 1/2	34	13/16 x 1	34	18	3/8	2585	663	2574	664	
27'-5"			N/A				I/A		8	3/4	7 1/2	32	13/16 x 1	32	17	3/8	2741	689	2729	690
28'-5"		1	V/A				I/A		7	3/4	7 1/2	30	13/16 x 1	30	16	3/8	2898	715	2886	716





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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 DWG NO:
ES-16-62-TCCI

SCALE: SHEET: AS NOTED 18/53 SIZE: DRAWN BY:

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

								CP0020 -	0.0220 Mi	inimum Thic													
											Concret	e Minimum	3,000 PSI	Compressive	e Strength (	Anchors are	the same of	diameter as	assembly fa	steners)			
DRC	Windlock			Guide	Windlock	Assembly	Assembly	TIES (	Hilti Kw	vik Bolt 3			Simpson	Wedge All			Red Hea	d Tru-Bolt			Powers V	Vedge-Bolt	
DBG Up To	Flat Location	Slip	Windlock	Assembly	Weld Pitch	Fastener Diameter	Fastener Spacing	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	I/A		7	4	6	6 13/16
13'-5"	1 1/2	0.656	CP1152 & CP1153	445	8	5/8	18		N	I/A		11	4 1/2	6 3/4	6 13/16		N	I/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	I/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	I/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 N/A				10	4 1/2	6 3/4	6 7/8		٨	I/A		9	2 1/2	3 3/4	6 7/8
17'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18		N	I/A		9	4 1/2	6 3/4	6 7/8			I/A		8	2 1/2	3 3/4	6 7/8
18'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	17		N	I/A		8	4 1/2	6 3/4	6 7/8		٨	I/A		7	2 1/2	3 3/4	6 7/8
19'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15		٨	I/A		8	4 1/2	6 3/4	6 7/8			I/A			N	N/A	
20'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14		N	I/A		7	4 1/2	6 3/4	6 7/8			I/A				V/A	
21'-5"	2 1/2	1.656	CP1152 & CP1153	648	7	3/4	18		N	I/A		10	5	7 1/2	7 1/2	11	6 5/8	9 15/16	7 1/2		1	N/A	
22'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A 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		1	N/A	
24'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A 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		٨	I/A		7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2			N/A	

					F	illed CMU	1					Steel (Wa	all anchors are		iameter as	assembly				
DBG		Hilti Kv	vik Bolt 3			Simpson S	trong-Bolt 2		Ti	hrough Bo	olt	w	elded	Through Bolt	Тар	pped		Superimpo	sed Loads	
Up To	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"		1	N/A			- 1	I/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			- 1	I/A		11	5/8	6 13/16	30	11/16 x 7/8	30	16	5/16	1631	405	1609	407
14'-5"		- 1	N/A			N	I/A		11	5/8	6 13/16	29	11/16 x 7/8	29	16	5/16	1694	435	1674	437
15'-5"		1	N/A			1	I/A		11	5/8	6 13/16	30	11/16 x 7/8	30	16	5/16	1637	463	1622	465
16'-5"		- 1	N/A			٨	I/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			1	I/A		9	5/8	6 7/8	24	11/16 x 7/8	24	13	5/16	1911	524	1897	525
18'-5"		1	N/A			V	I/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				I/A		8	5/8	6 7/8	20	11/16 x 7/8	20	11	5/16	2298	585	2283	587
20'-5"		- 1	N/A			1	I/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/						I/A		10	3/4	7 1/2	36	13/16 x 1	36	21	3/8	2228	643	2215	644
22'-5"		- 1	N/A				I/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 N/A				I/A		8	3/4	7 1/2	34	13/16 x 1	34	18	3/8	2574	704	2561	705	
24'-5"		- 1	N/A			- 1	I/A		8	3/4	7 1/2	32	13/16 x 1	32	17	3/8	2751	735	2738	736
25'-5"		1	N/A				N/A		7	3/4	7 1/2	30	13/16 x 1	30	16	3/8	2931	766	2917	767





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

Unless otherwise specified,

dimensions are in inches & tolerances are:

TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR

CP0020 SLAT NON-IMPACT RATED

TJE B AS NOTED DWG NO:
ES-16-62-TCCI CP0020 SLAT NON-IMPACT RATED

SCALE: SHEET: AS NOTED 19/53 DRAWN BY: SIZE: В

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

								CP0020 -	0.0236 Mi	nimum Thi	kness Galva	anized or St	ainless Ste	el - 20 PSF	- 27.7		at a second of	ta ta a	accombby fo	ctonors)			
				100							Concret	e Minimum			Strength (	Anchors are			assembly ra	steners)	Downers W	/edge-Bolt	
DDC	Windlock			Guide	Windlock	Assembly	Assembly		Hilti Kw	ik Bolt 3			Simpson	Wedge All			Red Head	d Tru-Bolt				Min. Wall	1
DBG Up To	Flat Location	Slip	Windlock	Assembly	Weld Pitch	Fastener Diameter	Fastener Spacing	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist		Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	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	-
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			/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		1	/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			I/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 7/1
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			I/A		5	2 5/8	3 15/16	5 7/16		_	N/A		6	3 1/2	5 1/4	5 7/10
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	_	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	_	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	-	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	_	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	_	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		_	4	6	6 13/1
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		-	4	6	6 13/1
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		-	4	6	6 13/1
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	_	-	4	6	6 13/1
30'-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	-	4	6	6 13/1
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		7	4	6	6 13/1
32'-5"	2	1.156	CP1152 & CP1153	-	8	5/8	18			N/A		11	4 1/2	6 3/4	6 13/16			N/A		9	5	7 1/2	6 13/1
33'-5"	2	1.156	CP1152 & CP1153	_	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/
34'-5"	2	1.156	CP1152 & CP1153	-	7	5/8	18			N/A		10	4 1/2	6 3/4	6 7/8			N/A		9	5	7 1/2	_
	-	1.156	CP1152 & CP1153	-	7	5/8	18			N/A		10	4 1/2	6 3/4	6 7/8			N/A		8	5	7 1/2	_
35'-5"	2	1.156	CP1152 & CP1153	-	7	5/8	18			N/A		9	4 1/2	6 3/4	6 7/8			N/A		8	5	7 1/2	-
36'-5"	_	1.0000	CP1152 & CP1153	-	7	5/8	18			N/A		9	4 1/2	6 3/4	6 7/8			N/A		8	5	7 1/2	-
37'-5"	2	1.156			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/
38'-5"	2	1.156	CP1152 & CP1153	-	6	5/8	17	1		N/A		8	4 1/2	6 3/4	6 7/8			N/A				N/A	
39'-5" 40'-5"	2	1.156	CP1152 & CP1153	-	6	5/8	16			N/A	_	8	4 1/2	6 3/4	6 7/8		-	N/A				N/A	





dimensions are in inches & tolerances are:

P: 800.390.8590

F: 866.448.6798 E: ADS@COOKSONDOOR.COM

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

Unless otherwise specified,

WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO: ES-16-62-TCCI CP0020 SLAT NON-IMPACT RATED

SCALE: SHEET: AS NOTED 20/53 DRAWN BY: SIZE: TJE

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

		_								_	_			CPOO2	0 - 0.0236	Minimum	Thickness Ga	Ivanized o	r Stainless S	teel - 20 P	F, Cont.														
						Filled CM	IU							Crook	0.0230		Cracked Conc		- 1 2 1 1		75-1 T	th					Steel (Wa	all anchors are f	the same of asteners)	diameter as	assembly		Superimpos	sed Loads	
		Hilti Kwi	k Bolt 3				Strong-Bolt	2		Through Bo	lt		Hi	ti Kwik Bolt	TZ			Simp	son Strong-	Bolt 2			ITW F	Redhead Tru	ibolt+		w	elded	Through Bolt	Тар	ped		Superimps		
DBG Up To	Max O.C.	Dia.	Embed	Edge Dist	Max O.C.	Dia.	Embed	1	Max. O.C.		Edge Dist	Max O.C.	Dia.	Embed.	Min Wall	Edge Dist	Max O.C.	Dia.	Embed.	Min Wall Thick.	Edge Dist	Max O.C.	Dia.	Embed.	Min Wall E	dge Dist	Max O.C.	Slot Size	Max O.C.	Max O.C.	Min. Thickness	Vx (+)	Vy (+)	Vx (-)	Vy (-)
-1 -0	2000		70737	10000	27.50			1000				27. 5.71	3/8	2 5/16	Thick.	4 9/16	36	3/8	1 7/8	3 1/4	4 9/16	36	3/8	2		9/16	36	7/16 x 5/8	36	36	3/16	0	85	0	85
8'-5"	10	3/8	1 5/8	4 9/16	17	3/8	2 5/8	4 9/16	36	3/8	4 9/16 5 3/4	36 36	3/8	2 5/16	4	5 3/4	28 1/2	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	85	0	85
8'-5"	14	3/8	2 1/2	5 3/4	9	3/8	2 5/8	5 3/4	24	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	28 1/2	1/2	3 3/4	8	3/16	29	7/16 x 5/8	29	19	3/16	465	145	456	145
14'-5"	8	1/2	3 1/2	5 3/16	10	3/4	5 1/4	5 3/16	11	3/8	5 3/4	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	29	1/4	466	145	456	145
14'-5"	10	1/2	3 1/2	5 3/4	12	3/4	5 1/4	5 3/4	27	1/2	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	36	3/4	4 3/8	7	3/16	27	7/16 x 5/8	27	18	3/16	499	155	491	155
15'-5"	8	3/4	3 1/4	5 3/16	9	3/4	5 1/4	5 3/16	10	3/8	5 3/4	28 1/2	1/2	3 5/8	6	5 3/4	22 3/4	1/2	2 3/4	4 1/2	5 3/4	36	1/2	3 3/4	8	5 3/4	36	9/16 x 3/4	36	27	1/4	500	155	491	155
15'-5"	9	1/2	3 1/2	5 3/4	11	3/4	5 1/4	5 3/4	25	-	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	-	3/4	4 3/8	7	5 3/16	23	7/16 x 5/8	23	15	3/16	596	165	589	165
16'-5"	10	3/4	4 3/8	5 3/16	8	3/4	5 1/4	5 3/16	9	3/8	5 3/4	36	1/2	3 5/8	8	5 3/4	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	597	165	589	165
16'-5"	8	1/2	3 1/2	5 3/4	9	3/4	5 1/4	5 3/4	21	1/2	5 7/16	36	3/4	5 9/16	8	5 7/16	16 1/4	3/4	4 1/8	6 3/4	5 7/16	-	3/4	4 3/8	7	5 7/16	20	7/16 x 5/8	20	13	3/16	691	175	685	175
17'-5"	9	3/4	4 3/8	5 7/16		_	N/A 5 1/4	5 3/4	18	3/8	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	-	3/4	4 3/8	7	5 3/4	36	9/16 x 3/4	36	20	1/4	692	175	685	175
17'-5"	10	3/4	4 3/8	5 3/4	8	3/4		5 3/4	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	785	185	779	186
18'-5"	8	3/4	4 3/8	5 7/16			N/A		-	-	5 3/4	36	3/4	5 9/16	8	5 3/4	36	3/4	5 3/4	8 3/4		36	3/4	4 3/8	8	5 3/4	31	9/16 x 3/4	31	17	1/4	786	185	779	186
18'-5"	9	3/4	4 3/8	5 3/4			N/A		16	3/8	5 7/16	30	3/4	N/A		3 3/1	30		N/A					N/A			15	7/16 x 5/8	15	10	3/16	878	195	872	196
19'-5"		N/					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	19	3/4	4 3/8	8	5 3/4	28	9/16 x 3/4	28	15	1/4	879	196	872	196
19'-5"	8	3/4	4 3/8	5 3/4	-		N/A	_	6	3/8	5 7/16	30	3/4	N/A		3 3/4	30		N/A					N/A			13	7/16 x 5/8	13	8	3/16	1024	206	1017	206
20'-5"			/A		-		N/A	_	13	1/2	5 3/4		-	N/A					N/A					N/A			24	9/16 x 3/4	24	13	1/4	1025	206	1017	206
20'-5"		N)					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	1120	216	1114	217
21'-5"		N,			-		N/A		11	1/2	5 3/4		_	N/A	_				N/A					N/A			22	9/16 x 3/4	22	12	1/4	1121	216	1114	217
21'-5"	0 1	3/4	-	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	26	5/16	862	224	856	225
22'-5"	8		4 3/8	0 1/4	-		N/A		16	5/8	6 1/4	13	5/5	N/A		1	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	965	235	959	235
23'-5"		N,	/A	_	-		N/A	-	15	5/8	6 1/4			N/A		-			N/A				1 1 10	N/A			36	11/16 x 7/8	36	21	5/16	1041	245	1035	245
24'-5"			/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	1117	255	1112	256
25'-5"					-		N/A	_	15	5/8	6 13/16			N/A			36	3/4	5 3/4	8 3/4	6 13/16	The same		N/A			36	11/16 x 7/8	36	22	5/16	1195	265	1189	266
26'-5"			/A /A		-		N/A		14	5/8	6 13/16		_	N/A					N/A			11.		N/A			36	11/16 x 7/8	36	21	5/16	1273	275	1267	276
27'-5"			/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	1352	286	1346	286
28'-5"			/A	-	-		N/A	_	13	5/8	6 13/16			N/A					N/A					N/A			34	11/16 x 7/8	34	19	5/16	1431	296	1425	296
29'-5"			/A	-	-		N/A		12	5/8	6 13/16			N/A					N/A					N/A			32	11/16 x 7/8	_	18	5/16	1512	306	1506	307
30'-5"	-	N,			-		N/A		11	5/8	6 13/16			N/A					N/A					N/A			30	11/16 x 7/8	-	17	5/16	1593	316	1587	317
31'-5"			/A		-		N/A		11	5/8	6 13/16			N/A					N/A					N/A			29	11/16 x 7/8	_	16	5/16	1675	327	1669	327
32'-5"	-		/A	_	-		N/A		10	5/8	6 13/16			N/A					N/A					N/A			28	11/16 x 7/8	_	15	5/16	1758	337	1752	338
33'-5"		N					N/A		10	5/8	6 7/8			N/A			11111		N/A					N/A			25	11/16 x 7/8	_	14	5/16	1842	347	1836	348
34'-5"	-		/A		-		N/A		10	5/8	6 7/8			N/A					N/A					N/A			24	11/16 x 7/8	_	13	5/16	1927	358	1921	358
35'-5"			/A		-		N/A		9	5/8	6 7/8			N/A					N/A					N/A			23	11/16 x 7/8	-	12	5/16	2013	368	2007	369
36'-5"	-		/A	_	-		N/A		9	5/8	6 7/8			N/A					N/A	=				N/A			22	11/16 x 7/8	_	12	5/16	2100	378	2094	379
37'-5"			/A	-	-		N/A		8	5/8	6 7/8			N/A			111		N/A					N/A			21	11/16 x 7/8	-	11	5/16	2188	389	2182	390
38'-5"			/A				N/A		8	5/8	6 7/8			N/A	-				N/A					N/A			20	11/16 x 7/8	+	11	5/16	2277	399	2271	400
39'-5" 40'-5"			/A		-		N/A	_	8	5/8	6 7/8			N/A					N/A			1		N/A			19	11/16 x 7/8	19	10	5/16	2367	410	2361	411





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WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO: ES-16-62-TCCI CP0020 SLAT NON-IMPACT RATED

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

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

SCALE: SHEET: AS NOTED 21/53 SIZE: DRAWN BY:

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

								CP0020 -	0.0236 Mi	nimum Thio		anized or St														
											Concret	e Minimum	3,000 PSI (	Compressive	e Strength (	Anchors are	the same o	diameter as	assembly fa	asteners)						
DBG	Windlock	100		Guide	Windlock	Assembly	Assembly	11.5	Hilti Kw	ik Bolt 3			Simpson	Wedge All			Red Hea	d Tru-Bolt			Powers V	Vedge-Bolt				
Up To	Flat Location	Slip	Windlock	Assembly	Weld Pitch	Fastener Diameter	Fastener Spacing	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	I/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			I/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	I/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	I/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	I/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		٨	I/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			I/A			1	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		٨	I/A			1	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		1	I/A			1	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			I/A			1	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		1	I/A			1	N/A				
35'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		N	I/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	I/A		9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2		. 1	N/A				
37'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		N	I/A		8	5	7 1/2	7 1/2	9	6 5/8	9 15/16	7 1/2		- 1	N/A				
38'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		N	I/A		8	5	7 1/2	7 1/2	8	6 5/8	9 15/16	7 1/2							
39'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		N	I/A		8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2		- 1					
40'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		N	I/A		7	5	7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2		N/A					





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WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO:

ES-16-62-TCCI

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

0.000 = +/- 0.031

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

SCALE: SHEET: AS NOTED 22/53 DRAWN BY: SIZE:

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

														CP002	0 - 0.0236	Minimum	Thickness G	alvanized o	or Stainless	Steel - 30 P	SF, Cont.						Steel /M	all anchors are	the same d	iameter as a	ssembly		-		
						Filled CM	U									(	Cracked Con	crete Minir	mum 3,000 l	SI Compre	ssive Streng	gth					Steel (Wa		asteners)	nameter as a	ssembly		Superimpo	sed Loads	
		Hilti Ku	vik Bolt 3			Simpson	Strong-Bolt	2		Through Bo	olt		Hil	ti Kwik Bolt	Z			Simp	oson Strong-	Bolt 2			ITW	Redhead Tru	ıbolt+		W	elded	Through Bolt	Тарі	oed				
DBG Up To	Max O.C.	Dia.	Embed	Edge Dist	Max O.C.	Dia.	Embed	Torris	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	Vx (+)	Vy (+)	Vx (-)	Vy (-)
at ##							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"	8	3/8	1 5/8	4 9/16	15	3/8	-	-		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
6'-5"	12	3/8	2 1/2	5 3/4	8	3/8	2 5/8	5 3/4	21	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"	8	3/4	4 3/8	5 7/16			N/A		7	-	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
14'-5"	9	3/4	4 3/8	5 3/4			N/A		15	1/2	-	30	3/4	N/A	0	3 3/4	30	37.	N/A	7.77				N/A	_		16	7/16 x 5/8	16	10	3/16	860	232	851	233
15'-5"			I/A				N/A		7	3/8	5 7/16	26	3/4	5 9/16	0	5 3/4	36	3/4	5 3/4	8 3/4	5 3/4	19	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	N/A	0	3 3/4	30	3/4	N/A	0 0/		100000		N/A	23.5		13	7/16 x 5/8	13	8	3/16	1051	248	1041	249
16'-5"			I/A				N/A		5	3/8	5 7/16		_	N/A				_	N/A			1		N/A			23	9/16 x 3/4	23	13	1/4	1052	248	1041	249
16'-5"		_	I/A				N/A		12	1/2	5 3/4	-					-		N/A					N/A			21	9/16 x 3/4	21	11	1/4	1189	264	1178	264
17'-5"			I/A				N/A		11	1/2	5 3/4			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"			I/A				N/A		16	5/8	6 1/4			N/A	_	-	30	3/4	N/A	0 3/	1 4 4/			N/A		-	36	11/16 x 7/8	36	21	5/16	1063	292	1055	292
19'-5"			I/A				N/A		14	5/8	6 1/4			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	1170	307	1162	308
20'-5"			I/A				N/A		15	5/8	6 13/16			N/A	_		30	3/4	N/A	0 5/1	0 20,20			N/A			36	11/16 x 7/8	36	21	5/16	1278	322	1270	323
21'-5"			I/A			_	N/A		14	5/8	6 13/16					_			N/A					N/A			35	11/16 x 7/8	35	19	5/16	1386	337	1378	338
22'-5"			I/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"			I/A				N/A		12	5/8	6 13/16			N/A			-	_	N/A					N/A			30	11/16 x 7/8	30	17	5/16	1606	368	1598	369
24'-5"			I/A				N/A		11	5/8	6 13/16		_					_	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			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			24	11/16 x 7/8	24	13	5/16	1944	414	1936	415
27'-5"		- 1	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	2060	429	2052	431
28'-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	2177	445	2169	446
29'-5"			N/A				N/A		8	5/8	6 7/8			N/A			-	_	N/A	-		1		N/A			20	11/16 x 7/8	20	11	5/16	2296	461	2287	462
30'-5"			V/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	2416	476	2407	477
31'-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	2538	492	2529	493
32'-5"		1	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	2661	508	2652	509
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	20	3/8	2313	519	2306	520
34'-5"		1	N/A				N/A		6	3/4	6 7/8			N/A	-		-	_				-		N/A			36	13/16 x 1	36	20	3/8	2419	535	2411	535
35'-5"		t	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	2526	550	2518	551
36'-5"		- 1	N/A				N/A		9	3/4	7 1/2			N/A			1		N/A	-		-		N/A			33	13/16 x 1	33	18	3/8	2635	566	2626	566
37'-5"		1	N/A				N/A	3	8	3/4	7 1/2			N/A			1		N/A			-		N/A			32	13/16 x 1	32	17	3/8	2744	582	2736	582
38'-5"		- 1	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	2855	597	2847	598
39'-5"		1	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	2967	613	2959	613
40'-5"		- 1	N/A				N/A		7	3/4	7 1/2			N/A			-		N/A					N/A			50	,,						-	





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WIND LOAD CONFIGURATION CP0020 SLAT NON-IMPACT RATED Unless otherwise specified, dimensions are in inches & tolerances are:

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

SCALE: SHEET: AS NOTED 23/53 SIZE: DRAWN BY: NON-INSULATED ROLLING STEEL DOOR DWG NO:
ES-16-62-TCCI В

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

								CP0020 -	0.0236 Mi	inimum Thic	kness Galv	anized or St	ainless Ste	el - 40 PSF												
											Concret	te Minimum	3,000 PSI	Compressive	e Strength (	Anchors are	the same o	diameter as	assembly fa	asteners)						
DBG	Windlock	CII-		Guide	Windlock	Assembly	Assembly		Hilti Kw	vik Bolt 3			Simpson	Wedge All	y = 1		Red Hear	d Tru-Bolt			Powers V	Vedge-Bolt				
Up To	Flat Location	Slip	Windlock	Assembly	Weld Pitch	Fastener Diameter	Fastener Spacing	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 Dis			
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			_	/A	1 3 3/1			
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			/A	015/10	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			/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			/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	-		/A		8	5	7 1/2	6 7/8			
24'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	17			/A		8	4 1/2	6 3/4	6 7/8			/A	_	7	5	7 1/2	6 7/8			
25'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	16			/A		8	4 1/2	6 3/4	6 7/8			/A	-	/		/A	0 //8			
26'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15		N	/A		7	4 1/2	6 3/4	6 7/8	-		/A	_	-		/A				
27'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14			/A		7	4 1/2	6 3/4	6 7/8	-		/A				/A				
28'-5"	2	1.156	CP1152 & CP1153	648	6	3/4	18			/A		6	4 1/2	6 3/4	6 7/8	_		/A			_	/A				
29'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18			/A		9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2			/A				
30'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18			/A		9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2			/A				
31'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18			/A		8	5	7 1/2	7 1/2	8	6 5/8	9 15/16	7 1/2			/A				
32'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18			/A		8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2			/A				
33'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	17			/A		7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2	-						
34'-5"	2 1/2	1.656	CP1152 & CP1153	648	5	3/4	17			/A	_	7	5	7 1/2	7 1/2	3		/A	/ 1/2		N/A N/A					





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

dimensions are in inches & tolerances are:

P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM

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

WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO:
ES-16-62-TCCI

DRAWN BY: SCALE: SHEET: AS NOTED 24/53 SIZE:

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

							CP0020 - 0	.0236 Minir	num Thickne	ess Galvan	ized or Stair		40 PSF, Cont.							
						Filled CMU						Steel (Wa	all anchors are	the same d fasteners)	liameter as	assembly		Superimpo	osed Loads	
DBG		Hilti Kv	vik Bolt 3			Simpson S	trong-Bolt 2		Т	hrough Bo	olt	w	elded	Through Bolt	Тар	ped				
Up To	Max O.C.	Dia.	Embed	Edge Dist	Max O.C.	Dia.	Embed	Edge Dist	Max. O.C.	Dia.	Edge Dist	Max O.C.	Slot Size	Max O.C.	Max O.C.	Min. Thickness	Vx (+)	Vy (+)	Vx (-)	Vy (-)
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	-	17.9	_ 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	I/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	I/A		14	5/8	6 13/16	36	11/16 x 7/8	36	20	5/16	1333	330	1318	331
17'-5"			V/A			N	I/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				I/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				I/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	_			I/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				I/A	_	10	5/8	6 7/8	26	11/16 x 7/8	26	14	5/16	1742	430	1732	433
22'-5"			N/A				I/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				I/A		9	5/8	6 7/8	23	11/16 x 7/8	23	12	5/16	2026	471	2016	472
			N/A	_			I/A	_	8	5/8	6 7/8	21	11/16 x 7/8	21	11	5/16	2171	491	2160	493
24'-5"			N/A	_			I/A	_	8	5/8	6 7/8	20	11/16 x 7/8	20	11	5/16	2317	512	2306	513
25'-5"			N/A		-		I/A	_	7	5/8	6 7/8	19	11/16 x 7/8	19	10	5/16	2465	533	2455	534
26'-5"			N/A				N/A	-	7	5/8	6 7/8	17	11/16 x 7/8	17	9	5/16	2616	553	2605	55
27'-5"					-		V/A		6	3/4	6 7/8	36	11/16 x 7/8	-	21	3/8	2294	570	2285	57:
28'-5"		_	N/A		-		V/A		9	3/4	7 1/2	36	13/16 x 1	36	19	3/8	2424	591	2414	59:
29'-5"			N/A		-		N/A		9	3/4	7 1/2	34	13/16 x 1	34	18	3/8	2556	612	2546	61
30'-5"			N/A		-		-	_	8	3/4	7 1/2	33	13/16 x 1	33	18	3/8	2689	632	2679	63
31'-5"			N/A			_	N/A		8	3/4	7 1/2	31	13/16×1	31	17	3/8	2824	653	2814	65
32'-5"			N/A		-		N/A		7	3/4	7 1/2	30	13/16 x 1	30	16	3/8	2960	674	2950	67
33'-5"			N/A		-		N/A		-	3/4	7 1/2	28	13/16 x 1	28	15	3/8	3099	694	3089	69
34'-5"			N/A				N/A		7	3/4	1 1/2	20	13/10/1	10		-12	22.0			_





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

P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM

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

WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO:
ES-16-62-TCCI CP0020 SLAT NON-IMPACT RATED

DRAWN BY:

SCALE: SHEET: AS NOTED 25/53 SIZE:

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

											Concret	e Minimum	3,000 PSI (	Compressive	Strength (	Anchors are	the same o	diameter as a	assembly fa	steners)			
DBG	Windlock			Cuida	Windlock	Assembly	Assembly	er ig Max O.C. Embed Min. Wall Thick. Edge Dist Max 36 2 3/8 4 4 9/16 2 36 2 3/8 4 5 3/4 1 8 3 1/2 5 1/4 5 3/4 1 N/A N/A 1 N/A N/A 1 N/A 1 N/A N/A 1 N/A						Wedge All			-	d Tru-Bolt			Powers W	/edge-Bolt	
Up To	Flat Location	Slip	Windlock	Guide Assembly	Weld Pitch	Fastener Diameter	Fastener Spacing	Max O.C.	Embed		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 Dis
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	I/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	I/A			N	I/A	
16'-5"	1 5/8	0.781	CP1152 & CP1153	445	7	5/8	18						4 1/2	6 3/4	6 13/16		N	I/A			N	I/A	
17'-5"	1 7/8	1.031	CP1152 & CP1153	445	8	5/8	18	N/A					4 1/2	6 3/4	6 13/16		N	I/A			N	I/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	I/A			N	I/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	1	N	I/A			N	I/A	
20'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	17					9	4 1/2	6 3/4	6 7/8		N	I/A		(c)	N	I/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	I/A			N	I/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		٨	I/A		11	N	I/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		٨	I/A		1	N	I/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	I/A			N	I/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	I/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	I/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	I/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	I/A		
29'-5"	2 1/2	1.656	CP1152 & CP1153	648	5	3/4	17						5	7 1/2	7 1/2		N	I/A			N	I/A	

							CP0020 - 0	.0236 Minis	mum Thickne	ess Galvar	nized or Stair	nless Steel -	50 PSF, Cont.							
					- 1	Filled CMU						Steel (Wa	all anchors are	the same of fasteners)	liameter as	assembly		Superimo	osed Loads	
DBG		Hilti Kv	vik Bolt 3			Simpson S	trong-Bolt 2	2	Т	hrough Bo	olt	w	elded	Through Bolt	Тар	pped		Superimpo	osed Loads	
Up To	Max O.C.	Dia.	Embed	Edge Dist	Max O.C.	Dia.	Embed	Edge Dist	Max. O.C.	Dia.	Edge Dist	Max O.C.	Slot Size	Max O.C.	Max O.C.	Min. Thickness	Vx (+)	Vy (+)	Vx (-)	Vy (-)
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"		- 1	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"		- 1	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"		- 1	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"		1	N/A		1	N	I/A		11	5/8	6 13/16	30	11/16 x 7/8	30	16	5/16	1635	437	1621	438
18'-5"		- 1	N/A			N	I/A		11	5/8	6 7/8	27	11/16 x 7/8	27	15	5/16	1698	461	1685	463
19'-5"		15 3/8 2 1/2 4				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				٨	I/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				٨	I/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	I/A		7	5/8	6 7/8	19	11/16 x 7/8	19	10	5/16	2380	564	2368	565
23'-5"		- 1	N/A			1	I/A		7	5/8	6 7/8	18	11/16 x 7/8	18	10	5/16	2557	589	2544	591
24'-5"		- 1	N/A			- 1	I/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			٨	I/A		9	3/4	7 1/2	36	13/16 x 1	36	19	3/8	2414	637	2402	638
26'-5"			N/A			1	I/A		8	3/4	7 1/2	34	13/16 x 1	34	18	3/8	2569	663	2557	664
27'-5"		- 0	N/A				I/A		8	3/4	7 1/2	32	13/16 x 1	32	17	3/8	2725	688	2713	689
28'-5"		- 0	N/A			1	I/A		7	3/4	7-1/2	30	13/16 x 1	30	16	3/8	2884	714	2872	715
29'-5"		0	N/A			1	I/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 Unless otherwise specified, MOUNTAINTOP, PA GOODYEAR, AZ

dimensions are in inches & tolerances are:

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

WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO:

ES-16-62-TCCI

SIZE: SCALE: SHEET: DRAWN BY: AS NOTED 26/53

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

	7 11										Concret	e Minimum	3,000 PSI	Compressive	Strength (	Inchors are	the same of	diameter as	assembly fa	steners)			
	Windlock				Windlock	Assembly	Assembly		Hilti Kwik Bolt 3  O.C. Embed Min. Wall Edition  16 2 3/8 4 4 4 16 2 3/8 4 5 1/4 5 1/4 5 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4				Simpson	Wedge All			Red Hea	d Tru-Bolt				Vedge-Bolt	
DBG Up To	Flat	Slip	Windlock	Guide Assembly	Weld Pitch	Fastener Diameter	Fastener Spacing	Max O.C.	Embed		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.	-
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	N/A		8	4 1/2	6 3/4	5 3/4		N	I/A			٨	I/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		٨	I/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 N/A				9	4 1/2	6 3/4	6 7/8		٨	I/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	I/A		9	4 1/2	6 3/4	6 7/8			I/A		8	2 1/2	3 3/4	6 7/8
18'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	17		N	I/A		9	4 1/2	6 3/4	6 7/8		٨	I/A		7	2 1/2	3 3/4	6 7/8
19'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	16		N	I/A		8	4 1/2	6 3/4	6 7/8		N	I/A				N/A	
20'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14		1	I/A		7	4 1/2	6 3/4	6 7/8		1	I/A				N/A	
21'-5"	2	1.156	CP1152 & CP1153	648	7	3/4	18		1	I/A		7	4 1/2	6 3/4	6 7/8	0		V/A				N/A	
22'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		N	I/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 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		١	I/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		1	I/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		1	V/A		7	5	7 1/2	7 1/2		1	N/A			1	N/A	

					- 1	Filled CMU		.0230 Willin	iidiii tiiidiiid	33 041141			60 PSF, Cont. all anchors are		diameter as	assembly		Euparimo	osed Loads	
DBG		Hilti K	wik Bolt 3			Simpson S	trong-Bolt 2		TI	nrough Bo	olt	W	elded	Through Bolt	Тар	ped		Superimpo	osed coads	
Up To	Max O.C.	Dia.	Embed	Edge Dist	Max O.C.	Dia.	Embed	Edge Dist	Max. O.C.	Dia.	Edge Dist	Max O.C.	Slot Size	Max O.C.	Max O.C.	Min. Thickness	Vx (+)	Vy (+)	Vx (-)	Vy (-)
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			1	I/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			1	I/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				I/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				I/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			1	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			1	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			1	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			1	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			1	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	- 17		1	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			1	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





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

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

WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO: ES-16-62-TCCI CP0020 SLAT NON-IMPACT RATED

SCALE: SHEET: SIZE: DRAWN BY: TJE AS NOTED 27/53

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

								CP0020 -	0.0236 Mi	nimum Thic													
											Concret	e Minimum	3,000 PSI	Compressive	e Strength (	Anchors are	the same o	diameter as	assembly fa	asteners)			
DBG	Windlock	T. W.	DATE OF THE OWNER, THE	Guide	Windlock	Assembly	Assembly	11	Hilti Kw	ik Bolt 3				Wedge All			Red Hea	d Tru-Bolt				Vedge-Bolt	
Up To	Flat Location	Slip	Windlock	Assembly	Weld Pitch	Fastener Diameter	er Spacing Max O.C. Embed Thick. 24 36 2 3/8 4	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 Dis			
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	I/A			N	I/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	I/A			N	I/A	
16'-5"	1 5/8	0.781	CP1152 & CP1153	546	6	5/8	16	N/A N/A				8	4 1/2	6 3/4	6 7/8		N	I/A			N	I/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	I/A			N	I/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	I/A	-		N	I/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	I/A			N	I/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	I/A			N	I/A	-
21'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18						5	7 1/2	7 1/2		N	I/A			٨	I/A	
22'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18					8	5	7 1/2	7 1/2		N	I/A			N	I/A	
23'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18					8	5	7 1/2	7 1/2		N	I/A			N	I/A	
24'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	17					7	5	7 1/2	7 1/2	1000	N	I/A			٨	I/A	

							CP0020 - 0	1.0236 Minir	num Thickne	ss Galvar	nized or Stair	iless Steel -	65 PSF, Cont.							
					1	illed CMU	ı					Steel (Wa	all anchors are	the same d asteners)	diameter as	assembly		Superimpo	osed Loads	
DBG		Hilti K	wik Bolt 3			Simpson S	trong-Bolt 2	2	Ti	rough Bo	olt	W	elded	Through Bolt	Тар	pped		Superimpo	oseu coaus	
Up To	Max O.C.	Dia.	Embed	Edge Dist	Max O.C.	Dia.	Embed	Edge Dist	Max. O.C.	Dia.	Edge Dist	Max O.C.	Slot Size	Max O.C.	Max O.C.	Min. Thickness	Vx (+)	Vy (+)	Vx (-)	Vy (-)
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"		19	N/A			N	I/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	I/A		8	5/8	6 7/8	20	11/16 x 7/8	20	11	5/16	2255	506	2229	508
16'-5"		- 4	N/A			N	I/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	I/A	11	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	I/A	5.70	8	5/8	6 7/8	20	11/16 x 7/8	20	11	5/16	2254	600	2238	602
19'-5"		-0	N/A			N	I/A		7	5/8	6 7/8	19	11/16 x 7/8	19	10	5/16	2467	634	2452	636
20'-5"	1		N/A			N	I/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	I/A		9	3/4	7 1/2	36	13/16 x 1	36	19	3/8	2396	697	2382	697
22'-5"	1	- 40	N/A			N	I/A		8	3/4	7 1/2	34	13/16 x 1	34	18	3/8	2583	730	2569	731
23'-5"	1		N/A			N	I/A		8	3/4	7 1/2	31	13/16 x 1	31	17	3/8	2774	763	2759	764
24'-5"		733	N/A			1	N/A		7	3/4	7 1/2	29	13/16 x 1	29	16	3/8	2967	796	2952	797





P: 800.390.8590 F: 866.448.6798

E: ADS@COOKSONDOOR.COM

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

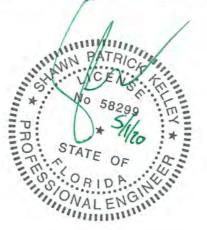
> 0.000 = +/- 0.031FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG

WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO:
ES-16-62-TCCI

SCALE: SHEET: AS NOTED 28/53 SIZE: DRAWN BY:

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

_	1	_	1					CP0020 -	0.0296 IMI	nimum Thic		anized or St			Character /		41	K		********			
					130018/ 10						Concret	e Minimum			e Strength (	Anchors are			assembly fa	isteners)	Daware V	/edge-Bolt	
DBG Up To	Windlock Flat	Slip	Windlock	Guide Assembly	Windlock Weld	Assembly Fastener	Assembly Fastener	Max O.C.	Embed Embed	Min. Wall	Edge Dist	Max O.C.	Embed	Wedge All Min. Wall	Edge Dist	Max O.C.	Embed	Min. Wall	Edge Dist	Max O.C.	Embed	Min. Wall	Edge Dis
-1	Location	77.46		-	Pitch	Diameter	Spacing	11111111111		Thick.	100			Thick.		Texta 2.651	10000	Thick.	1151	100000	- 5.02.6: F	Thick.	
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	1 5	N	I/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	I/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	I/A		5	2 5/8	3 15/16	5 7/16		N	I/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			I/A		12	4 1/2	6 3/4	6 13/16			I/A		7	4	6	6 13/1
32'-5"	2	1.156	CP1152 & CP1153	445	8	5/8	18			I/A		11	4 1/2	6 3/4	6 13/16			N/A		9	5	7 1/2	6 13/1
33'-5"	2	1.156	CP1152 & CP1153	445	7	5/8	18			I/A		10	4 1/2	6 3/4	6 13/16			N/A		9	5	7 1/2	6 13/1
34'-5"	2	1.156	CP1152 & CP1153	445	7	5/8	18			4.7		10	4 1/2	6 3/4	6 13/16			N/A		9	5	7 1/2	6 13/1
35'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18						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						4 1/2	6 3/4	6 7/8			V/A		8	5	7 1/2	6 7/8
37'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18					9	4 1/2	6 3/4	6 7/8			V/A		8	5	7 1/2	6 7/8
38'-5"	2	1.156		546	7	5/8	17	N/A 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		CP1152 & CP1153	-		-	17				-	4 1/2	6 3/4	6 7/8			N/A		-		1/A	1 0 7/0	
29 -2	2	1.156	CP1152 & CP1153 CP1152 & CP1153	546 546	6	5/8	16	N/A 8 N/A 8			-	4 1/2	6 3/4	6 7/8			N/A		-		V/A		





24 ELMWOOD AVE 1901 S. LITCHFIELD RD

P: 800.390.8590 F: 866.448.6798

0.000 = +/- 0.031

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

FRACTIONAL = +/- 1/32 E: ADS@COOKSONDOOR.COM ANGLES = +/- 1/2 DEG SCALE: SHEET: AS NOTED 29/53

WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO:
ES-16-62-TCCI

SIZE: DRAWN BY:

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

														CP002	20 - 0.0296	Minimum T	hickness Ga	lvanized o	or Stainless	Steel - 20 P	SF, Cont.						Stool /\A/	all anchors are t	the same	diameter as	assembly				
						Filled CM	u									Cr	acked Conc	rete Minir	mum 3,000	PSI Compre	ssive Streng	gth					Steel (W		asteners)	ulameter as	assembly		Superimpo	sed Loads	
		Hilti Kw	ik Bolt 3			Simpson S	Strong-Bolt :	2	т	hrough Bol	lt		Ні	lti Kwik Bolt	TZ			Simp	oson Strong	-Bolt 2			ITW	Redhead Tri	ubolt+		w	elded	Through Bolt	Та	pped				
DBG Up To	Max O.C.	Dia.	Embed	Edge Dist	Lane J	Dia.	Embed	1	Max. O.C.	Dia.	Edge	Max O.C.	Dia.	Embed.	Min Wall	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	Vx (+)	Vy (+)	Vx (-)	Vy (-)
01 111	30.00	7.5	200-24		35.00 \$ 000	1.7	7. 25.	100	36	3/8	Distance 4 9/16	36	3/8	2 5/16	Thick.	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"	9	3/8	1 5/8	4 9/16 5 3/4	15 8	3/8	2 5/8	4 9/16 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
9'-5" 13'-5"	9	3/8	2 1/2	5 3/16	0	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
3'-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
4'-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
4'-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
5'-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	_	7/16 x 5/8	30	19	3/16	456	155	449	155
5'-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	449 551	169
6'-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	_	7/16 x 5/8	24	16	3/16	559	165	551	165
6'-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 3/4	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	560	165	651	175
7'-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 7/16	21	7/16 x 5/8	21	13	3/16	658	175	651	17
7'-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		749	18
8'-5"	9	3/4	4 3/8	5 7/16		- 1	N/A		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	_	3/4	4 3/8	8	5 7/16	_	7/16 x 5/8	18	12	3/16	756 757	185	749	18
8'-5"	9	3/4	4 3/8	5 3/4		- 1	N/A		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	852	195	845	19
9'-5"	8	3/4	4 3/8	5 7/16			N/A		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		_	N/A		1	16	7/16 x 5/8	16	10	3/16	853	195	845	19
9'-5"	8	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	22 3/4	3/4	4 3/8	8	5 3/4	29	9/16 x 3/4	29	16	3/16	1000	206	993	20
0'-5"		N	/A				N/A		9	3/8	5 7/16			N/A					N/A					N/A			13	7/16 x 5/8	13	9	1/4	1000	206	993	20
0'-5"		N	/A				N/A		14	1/2	5 3/4			N/A					N/A					N/A		_	25	9/16 x 3/4	25	8	3/16	1001	216	1092	21
1'-5"		N	/A				N/A		8	3/8	5 7/16			N/A					N/A					N/A			12	7/16 x 5/8 9/16 x 3/4	12	12	1/4	1099	216	1092	21
1'-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	1199	226	1191	22
2'-5"		N	/A			- 1- 1	N/A		11	1/2	5 3/4			N/A					N/A	1	1 4 4 11		T 5/0	N/A	T 6 1/4	6 1/4		11/16 x 7/8	36	23	5/16	946	235	941	2
3'-5"		N	/A				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	0 1/4	36	11/16 x 7/8	36	22	5/16	1024	245	1018	24
4'-5"		N	/A				N/A		22	5/8	6 1/4			N/A					N/A					N/A N/A	_		36	11/16 x 7/8	36	20	5/16	1102	255	1096	25
5'-5"		N	/A				N/A		20	5/8	6 1/4			N/A				-	N/A	1 2 2/4	1 5 42/46		_	N/A	_	-	36	11/16 x 7/8	-	23	5/16	1180	265	1175	26
6'-5"		N	/A				N/A		23	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	_	21	5/16	1260	275	1254	2
27'-5"		N	/A				N/A		21	5/8	6 13/16			N/A				-	N/A			-	-	N/A		-	36	11/16 x 7/8		20	5/16	1339	285	1333	28
28'-5"		N	/A				N/A		20	5/8	6 13/16			N/A				_	N/A			-		N/A	-	-	34	11/16 x 7/8	-	19	5/16	1420	295	1414	29
29'-5"		N	/A				N/A		19	5/8	6 13/16			N/A				_	N/A N/A			-	_	N/A	_		32	11/16 x 7/8	32	18	5/16	1501	306	1495	30
30'-5"		N	/A				N/A		18	5/8	6 13/16			N/A				-	N/A	_	_	-		N/A			31	11/16 x 7/8	31	17	5/16	1583	316	1577	31
31'-5"		N	/A				N/A		17	5/8	6 13/16		_	N/A					N/A			1	_	N/A			29	11/16 x 7/8	29	16	5/16	1666	326	1660	32
32'-5"		_ N	/A				N/A		16	5/8	6 13/16			N/A					N/A N/A			1		N/A			28	11/16 x 7/8	-	15	5/16	1749	336	1743	33
33'-5"			I/A				N/A		15	5/8	6 13/16		N/A				N/A					N/A			26	11/16 x 7/8	-	14	5/16	1834	347	1828	34		
34'-5"			I/A				N/A		14	5/8	6 13/16	N/A N/A				N/A					N/A			24	11/16 x 7/8		13	5/16	1920	357	1913	35			
35'-5"		_	I/A				N/A		13	5/8	6 7/8					N/A			-		N/A			23	11/16 x 7/8	-	12	5/16	2006	367	2000	36			
36'-5"			I/A				N/A		12	5/8	6 7/8						N/A					N/A			22	11/16 x 7/8	-	12	5/16	2093	378	2087	37		
37'-5"			I/A				N/A		12	5/8	6 7/8					N/A			1		N/A			21	11/16 x 7/8	21	11	5/16	2182	388	2175	38			
38'-5"			I/A				N/A		11	5/8	6 7/8		_	N/A N/A		-			N/A			1		N/A			20	11/16 x 7/8	20	11	5/16	2271	398	2265	39
39'-5"			I/A				N/A N/A		11	5/8	6 7/8			N/A N/A		-	-		/ N/A		-	1		N/A			19	11/16 x 7/8	19	10	5/16	2361	409	2355	40



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

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

WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO:
ES-16-62-TCCI CP0020 SLAT NON-IMPACT RATED

DRAWN BY:

SIZE:

SCALE: SHEET: AS NOTED 30/53

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

		_						CF0020	0.0230 IVII	minum itin		anized or St e Minimum			Strongth (	Anchore are	the came o	liameter ac	accembly fa	steners)			
									THE LABOR.	21. D - 14. D	Concret	e Minimum		Wedge All	e strength (	anchors are		d Tru-Bolt	assembly re	Stellers	Powers V	Vedge-Bolt	
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	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 Dis
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	I/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 7/10
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	I/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	I/A		6	2 5/8	3 15/16	5 7/16	6	3	4 1/2	5 7/16	4	2	3	5 7/1
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 13/1
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 13/1
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 13/1
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 13/1
24'-5"	2	1.156	CP1152	445	8	5/8	18		N	I/A		11	4 1/2	6 3/4	6 13/16		N	I/A		7	5	7 1/2	6 13/1
25'-5"	2	1.156	CP1152 & CP1153	445	8	5/8	18		. N	I/A		11	4 1/2	6 3/4	6 13/16		N	I/A		9	5	7 1/2	6 13/1
26'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18		N	I/A		10	4 1/2	6 3/4	6 7/8			I/A		9	5	7 1/2	6 7/8
27'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18		N	I/A		9	4 1/2	6 3/4	6 7/8			I/A		8	5	7 1/2	6 7/8
28'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18		N	I/A		9	4 1/2	6 3/4	6 7/8			I/A		8	2 1/2	3 3/4	6 7/8
29'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	17		N	I/A		8	4 1/2	6 3/4	6 7/8		1	I/A		7	2 1/2	3 3/4	6 7/8
30'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	16		٨	I/A		8	4 1/2	6 3/4	6 7/8		١	N/A			- 1	N/A	
31'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15		N	I/A		8	4 1/2	6 3/4	6 7/8		1	N/A			- 1	N/A	
32'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15			I/A		7	4 1/2	6 3/4	6 7/8			N/A			1	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		1	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			_ 9	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	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	(	1	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		1	V/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		T P	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		1	N/A		7	5	7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2			N/A	





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WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO:
ES-16-62-TCCI

Unless otherwise specified, dimensions are in inches &

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

SCALE: SHEET: AS NOTED 31/53 DRAWN BY: SIZE:

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

														CP00	20 - 0.029	Minimum 1	Thickness Ga	lvanized (	or Stainless	Steel - 30 P	SF, Cont.						Steel (W	all anchors are	the same	diameter as	assembly				
						Filled CM	U									C	cracked Conc	rete Minii	mum 3,000 l	SI Compres	ssive Streng	th					Steer (1.		asteners)				Superimpo	sed Loads	
1000		Hilti Kw	rik Bolt 3			Simpson	Strong-Bolt	2		Through Bo	lt		Hi	lti Kwik Bolt	TZ			Simp	pson Strong-	Bolt 2			ITW	Redhead Tr	ubolt+		W	/elded	Through Bolt	Тар	pped				
DBG Up To	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 Wal	Edge Dist	Max O.C.	Dia.	Embed.	Min Wall Thick.	Edge Dist	Max O.C.	Dia.	Embed.	Min Wall Thick.	Edge Dist	4	. 5.57 7.50	7,22, 50,0	Max O.C.	Min. Thickness	Vx (+)	Vy (+)	Vx (-)	Vy (-)
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	-	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		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	677	113 203	664	203
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	-	7/16 x 5/8	20	20	1/4	680	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	_	9/16 x 3/4	36 19	12	3/16	723	217	712	218
14'-5"	9	3/4	4 3/8	5 7/16		TER	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	_	7/16 x 5/8	34	19	1/4	726	218	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 7/16 x 5/8	17	11	3/16	818	232	808	233
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	1 .	5 2/4	30	9/16 x 3/4	30	16	1/4	820	233	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	13	7/16 x 5/8	13	9	3/16	1013	248	1003	248
16'-5"		N	/A				N/A		6	3/8	5 7/16			N/A			-		N/A		-			N/A			24	9/16 x 3/4	24	13	1/4	1015	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 N/A	_	_	21	9/16 x 3/4	21	12	1/4	1156	263	1145	264
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	20.24	F /0	4 3/4	6 1/4	6 1/4	36	11/16 x 7/8	36	24	5/16	926	276	918	277
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	N/A	0 1/4	0 1/4	36	11/16 x 7/8	36	21	5/16	1036	291	1028	292
19'-5"		N	/A				N/A		15	5/8	6 1/4			N/A					N/A	1 1	T c 42/45		_	N/A		_	36	11/16 x 7/8	36	23	5/16	1146	306	1138	307
20'-5"		N	I/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		21	5/16	1256	322	1248	323
21'-5"		N	I/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	1366	337	1358	338
22'-5"		N	I/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	1477	352	1469	353
23'-5"		N	I/A				N/A		12	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
24'-5"		N	I/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
25'-5"		N	I/A				N/A		11	5/8	6 13/16			N/A			-	_	N/A		-	-		N/A			25	11/16 x 7/8	25	14	5/16	1816	398	1808	399
26'-5"		N	I/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	1931	413	1923	414
27'-5"		N	I/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
28'-5"		N	I/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"			I/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"			I/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	2406	475	2397	476
31'-5"			I/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"			I/A				N/A		7	5/8	6 7/8			N/A		_	-		N/A	7	_			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	-	_	-	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" 40'-5"			N/A N/A		-		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	2961	611	2953	612





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WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO: ES-16-62-TCCI CP0020 SLAT NON-IMPACT RATED

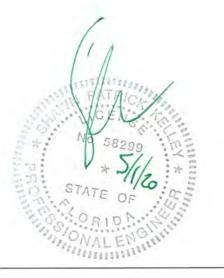
Unless otherwise specified, dimensions are in inches & tolerances are:

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

SCALE: SHEET: SIZE: DRAWN BY: AS NOTED 32/53 TJE

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

								CP0020 -	0.0296 Mi	nimum Thic													
											Concret	e Minimum	3,000 PSI	Compressive	e Strength (A	Anchors are	the same d	liameter as	assembly fa	steners)			
DBG	Windlock		1 700 3 1	Guide	Windlock	Assembly	Assembly		Hilti Kw	rik Bolt 3	-		Simpson	Wedge All			Red Head	d Tru-Bolt			Powers V	Vedge-Bolt	
Up To	Flat Location	Slip	Windlock	Assembly	Weld Pitch	Fastener Diameter	Fastener Spacing	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	I/A		8	4 1/2	6 3/4	6 7/8		N	I/A			1	I/A	
26'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15		N	I/A		7	4 1/2	6 3/4	6 7/8		N	/A				V/A	
27'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14		N	I/A		7	4 1/2	6 3/4	6 7/8		N	I/A			١	N/A	
28'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		N	I/A		10	5	7 1/2	7 1/2	11	6 5/8	9 15/16	7 1/2		1	N/A	
29'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		N	I/A		9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2		1	N/A	
30'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		N	I/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	I/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	I/A		8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2		1	N/A	
33'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		N	I/A		7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2		1	N/A	
34'-5"	2 1/2	1.656	CP1152 & CP1153	648	5	3/4	17		N	I/A		7	5	7 1/2	7 1/2		N	I/A			1	N/A	





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TITLE: WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO:
ES-16-62-TCCI

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

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

SCALE: SHEET: AS NOTED 33/53 SIZE: DRAWN BY:

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

															CPOO	20 - 0.0296	Minimum '	Thickness Ga	Ivanized o	r Stainless	Steel - 40 P	SF, Cont.														
						Fille	d CMU											racked Conc					th					Steel (W	/all anchors are	the same ( fasteners)	diameter as	assembly		Superimpo	sed Loads	
7.1		Hilti Kwi	k Rolt 3			Simi	pson St	trong-Bolt 2	2		Through Bo	lt		Hi	lti Kwik Boli	TZ			Simp	son Strong-	Bolt 2			ITW	Redhead Tri	ubolt+		V	Velded	Through Bolt	Та	oped				
DBG Up To	Max O.C.	Dia.	Embed	Edge Dist	May C		Dia.	Embed		Max. O.C.	Dia.	Edge	Max O.C.	Dia.	Embed.	Min Wall	Edge Dist	Max O.C.	Dia.	Embed.	Min Wall Thick.	Edge Dist	Max O.C.	Dia.	Embed.	Min Wa	Edge Dis	Max O.C.	Slot Size	Max O.C.	Max O.C.	Min. Thickness	Vx (+)	Vy (+)	Vx (-)	Vy (-)
-	11.02	1000	20032							Social acres	Ter. 6, 50 F	Distance			2 5/16	Thick.	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"	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	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
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	N/A	0	3 3/4	22 3/4	3/4	5 3/4	8 3/4	5 7/16	30		N/A			13	7/16 x 5/8	13	8	3/16	1022	270	1006	271
13'-5"		N/						/A		5	3/8	5 7/16			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
13'-5"		N/	-				-	/A		12	1/2	5 3/4			N/A	-	_	30	3/4	N/A	0 3/1	1 5 5/1			N/A			13	7/16 x 5/8	13	8	3/16	1067	290	1054	291
14'-5"		N/						/A	_	5	3/8	5 7/16		_	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
14'-5"		N/			-			/A		12	1/2	5 3/4		_	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
15'-5"		N/	-		-			/A	_	14	5/8		_		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
16'-5"		N/			-			/A		15	5/8	6 13/16		_	N/A	_		30	5/1	N/A					N/A			36	11/16 x 7/8	36	23	5/16	1156	348	1146	349
17'-5"		N/						/A		15	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
18'-5"		N/				-		/A	_	14	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
19'-5"		N/						/A		12	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
20'-5"		N/				_		/A		11	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
21'-5"		N/						I/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
22'-5"		N/			-	_		I/A		-	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
23'-5"		N/						I/A I/A		9	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
24'-5"		N/			-		_	I/A	-	0	5/8	6 7/8		_	N/A					N/A	-				N/A	1500		20	11/16 x 7/8	20	11	5/16	2302	511	2291	512
25'-5"		N/			-	_		I/A	-	7	5/8	6 7/8		-	N/A	1000				N/A					N/A			19	11/16 x 7/8	19	10	5/16	2451	531	2440	533
26'-5"		N,			-	_		I/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
27'-5"		N)			-	-		***		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
28'-5"		N,			-			I/A I/A	_	10	3/4	7 1/2		_	N/A					N/A					N/A			36	13/16 x 1	36	20	3/8	2413	590	2403	591
29'-5"		N,			-	_		*		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,	-		-		_	I/A I/A		9	3/4	7 1/2			N/A					N/A					N/A			33	13/16 x 1	33	18	3/8	2679	631	2669	632
31'-5"		N,			-	_	_			9	3/4	7 1/2		_	N/A	-			-	N/A					N/A			31	13/16 x 1	31	17	3/8	2815	652	2804	652
32'-5"		N,			-	-		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
33'-5"			/A /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





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

WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO:
ES-16-62-TCCI CP0020 SLAT NON-IMPACT RATED

DRAWN BY:

SIZE: SCALE: SHEET: AS NOTED 34/53

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

								CPUUZU -	U.U250 MIII	nimum Thic	Concret	e Minimum	3 000 PSI 0	omoressive	Strength (A	Anchors are	the same o	diameter as a	assembly fa	steners)			
								-	Hilti Kw	ik Bolt 2	Concret	- IVIIIIIIIIIII		Wedge All	- Comment			d Tru-Bolt		100	Powers V	Vedge-Bolt	
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist		Embed	Min. Wall Thick.	Edge Dist		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	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	I/A			N	I/A	
15'-5"	1 5/8	0.781	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
16'-5"	1 3/4	0.906	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	I/A		7	4	6	6 13/16
17'-5"	2 3/4	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	I/A		7	4	6	6 13/16
18'-5"	2	1.156	CP1152 & CP1153	546	8	5/8	18			I/A		11	4 1/2	6 3/4	6 7/8			I/A		9	5	7 1/2	6 7/8
	2	-	CP1152 & CP1153	546	7	5/8	18			I/A		10	4 1/2	6 3/4	6 7/8		N	I/A		8	5	7 1/2	6 7/8
19'-5"	2	1.156		546	7	5/8	18			I/A		9	4 1/2	6 3/4	6 7/8		N	I/A		8	5	7 1/2	6 7/8
20'-5"	2	1.156	CP1152 & CP1153	-	7	5/8	16			I/A	_	8	4 1/2	6 3/4	6 7/8		N	I/A		7	5	7 1/2	6 7/8
21'-5"	2	1.156	CP1152 & CP1153	546	/		15			I/A		8	4 1/2	6 3/4	6 7/8			N/A			1	N/A	
22'-5"	2	1.156	CP1152 & CP1153	546	6	5/8						7	4 1/2	6 3/4	6 7/8		N	N/A				N/A	
23'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14			I/A	7 1/2	11	4 1/2	7 1/2	7 1/2			N/A			1	N/A	
25'-5"	2 1/2	1.656	CP1152 & CP1153	DC2	6	3/4	15	11	4 3/4	7 1/8	/ 1/2		5	7 1/2	7 1/2	9	6 5/8	9 15/16	7 1/2		1	V/A	
26'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18			I/A		8	-	-	-	7	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	1		I/A		8	5	7 1/2	7 1/2	/		-	-			N/A	
28'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18			I/A		8	5	7 1/2	7 1/2	6	6 5/8	9 15/16	/ 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			V/A		-		-	_
30'-5"	2 1/2	1.656	CP1152 & CP1153	648	5	3/4	16		1	N/A		7	5	7 1/2	7 1/2		- 1	N/A				N/A	

							CP0020 - 0	.0296 Minir	mum Thickne	ess Galvan	ized or Stair		50 PSF, Cont.							
					F	illed CMU						Steel (Wa	all anchors are	the same of asteners)	liameter as	assembly		Superimpo	sed Loads	
DBG		Hilti K	vik Bolt 3	m - 1	S	impson St	trong-Bolt 2		Т	hrough Bo	olt	W	elded	Through Bolt	Тар	ped		30,000,000		
Uр То	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"	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	1413	363	1395	363
15'-5"			N/A				I/A		12	5/8	6 13/16	33	11/16 x 7/8	33	18	5/16	1476	387	1458	388
16'-5"	N/A					-	I/A		12	5/8	6 13/16	32	11/16 x 7/8	32	17	5/16	1538	412	1522	413
17'-5"	N/A N/A						I/A		12	5/8	6 13/16	32	11/16 x 7/8	32	18	5/16	1498	435	1485	437
18'-5"							I/A		11	5/8	6 7/8	28	11/16 x 7/8	28	15	5/16	1668	461	1656	462
19'-5"			N/A				I/A		10	5/8	6 7/8	25	11/16 x 7/8	25	14	5/16	1839	486	1826	488
20'-5"			N/A	-		_	I/A		9	5/8	6 7/8	23	11/16 x 7/8	23	12	5/16	2011	512	1999	513
21'-5"			N/A				I/A		8	5/8	6 7/8	21	11/16 x 7/8	21	11	5/16	2185	537	2172	539
22'-5"			N/A			_	I/A	-	8	5/8	6 7/8	19	11/16 x 7/8	19	11	5/16	2361	563	2348	564
23'-5"			N/A	-			V/A		7	5/8	6 7/8	18	11/16 x 7/8	18	10	5/16	2539	588	2526	590
25'-5"			N/A	_			V/A		8	3/4	7 1/2	15	13/16 x 1	15	15	3/8	2398	636	2387	636
26'-5"				_		_	N/A		8	3/4	7 1/2	34	13/16 x 1	34	18	3/8	2555	662	2543	662
27'-5"	N/A N/A						N/A		8	3/4	7 1/2	32	13/16 x 1	32	17	3/8	2712	687	2700	688
28'-5"					-		N/A		8	3/4	7 1/2	30	13/16 x 1	30	16	3/8	2872	713	2860	714
	N/A					N/A		7	3/4	7 1/2	29	13/16 x 1	29	15	3/8	3034	739	3022	739	
29'-5" 30'-5"	N/A N/A N/A						N/A		7	/3/4	7 1/2	27	13/16 x 1	27	15	3/8	3198	764	3186	765



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WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO: ES-16-62-TCCI CP0020 SLAT NON-IMPACT RATED

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

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

SCALE: SHEET: AS NOTED 35/53 DRAWN BY: SIZE:

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

								CP0020 -	0.0296 Mi	inimum Thi	kness Galva	anized or St	ainless Ste	el - 60 PSF									
		Slip	Windlock	Guide Assembly		Assembly Fastener Diameter	1	Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)															
DBG Up To	Windlock Flat Location				Windlock		Fastener	Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Tru-Bolt				Powers Wedge-Bolt			
					Weld Pitch			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 Di
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	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	I/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	I/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	I/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	I/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	I/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	15	N	I/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	1	N	I/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 Minis	mum Thickne	ss Galvar	nized or Stair	nless Steel -	60 PSF, Cont.							
	Filled CMU												all anchors are		Superimp	abeat base				
DBG Up To	Hilti Kwik Bolt 3				Simpson Strong-Bolt 2			Through Bolt			Welded		Through Bolt	Тар	ped	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 (-)
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"		- 3	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"		- 1	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 Unless otherwise specified,

P: 800.390.8590 F: 866.448.6798 E: ADS@COOKSONDOOR.COM dimensions are in inches & tolerances are:

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

WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO:

ES-16-62-TCCI

SCALE: SHEET: AS NOTED 36/53 SIZE: DRAWN BY:

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

								CP0020 -	0.0296 M	inimum Thic													
											Concret	e Minimum	3,000 PSI	Compressive	e Strength (	Anchors are	the same	diameter as	assembly fa	steners)			
DBG	Windlock			Guide	Windlock	Assembly	Assembly		Hilti Kv	vik Bolt 3			Simpson	Wedge All				d Tru-Bolt				Vedge-Bolt	
Up To	Flat Location	Slip	Windlock	Assembly	Weld Pitch	Fastener Diameter	Fastener Spacing	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	I/A			N	I/A	
15'-5"	1 5/8	0.781	CP1152 & CP1153	546	7	5/8	18			I/A		9	4 1/2	6 3/4	6 7/8			I/A		8	5	7 1/2	6 7/8
16'-5"	1 3/4	0.906	CP1152 & CP1153	546	7	5/8	17		١	I/A		9	4 1/2	6 3/4	6 7/8			I/A		8	5	7 1/2	6 7/8
17'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	17			I/A		9	4 1/2	6 3/4	6 7/8		١	I/A		8	5	7 1/2	6 7/8
18'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	16		- 1	I/A		8	4 1/2	6 3/4	6 7/8		1	I/A			N	I/A	
19'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14		1	I/A		7	4 1/2	6 3/4	6 7/8		1	V/A			N	I/A	
20'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	13			I/A		7	4 1/2	6 3/4	6 7/8			I/A			٨	I/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		1	N/A				I/A	

						Filled CMU	r.					Steel (Wa	all anchors are	the same d asteners)	iameter as	assembly		Superimpo	sed Loads	
DBG		Hilti K	wik Bolt 3			Simpson S	trong-Bolt 2		TI	rough Bo	olt	W	elded	Through Bolt	Тар	pped		Superimpo	seu coaus	
Up To	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"	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"		- 1	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"		- 1	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"		1	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"			V/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"		- 0	N/A				/A		8	5/8	6 7/8	21	11/16 x 7/8	21	11	5/16	2224	599	2209	602
19'-5"		0	N/A			N	I/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				/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			٨	I/A		8	3/4	7 1/2	15	13/16 x 1	15	15	3/8	3147	828	3132	829





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Unless otherwise specified, dimensions are in inches &

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

WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO:

ES-16-62-TCCI

SCALE: SHEET: AS NOTED 37/53 SIZE: DRAWN BY:

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

								CP0020 -	0.0230 1411	inimum Thio	Concret	e Minimum	3,000 PSI	Compressive	Strength (/	Anchors are	the same	diameter as	assembly fa	steners)			
	ME-di-di			E	Windlock	Assembly	Assembly		Hilti Kw	vik Bolt 3				Wedge All				d Tru-Bolt				Vedge-Bolt	
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Weld Pitch	Fastener Diameter	Fastener Spacing	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	I/A	-	9	4 1/2	6 3/4	6 7/8			I/A		7	5	7 1/2	6 7/8
15'-5"	1 5/8	0.781	CP1152 & CP1153	546	7	5/8	17		N	I/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		1	N/A				N/A	
17'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	16	N/A N/A				8	4 1/2	6 3/4	6 7/8		1	N/A			1	N/A	
18'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14		٨	N/A		7	4 1/2	6 3/4	6 7/8		1	V/A			- 1	N/A	
19'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	13		- 1	N/A		7	4 1/2	6 3/4	6 7/8		1	N/A				N/A	
20'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		٨	V/A		9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2		- 1	V/A	
21'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		N	N/A		8	5	7 1/2	7 1/2	8	6 5/8	9 15/16	7 1/2		1	N/A	
22'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18					8	5	7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2		- 1	N/A	
23'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	17					7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2		1	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		1	N/A				N/A		

							CP0020 - 0	.0296 Minir	num Thickne	ss Galvan	ized or Stair	iless Steel -	70 PSF, Cont.							
					100	Filled CMU	ľ					Steel (Wa	all anchors are	the same d fasteners)	liameter as	assembly		Superimpo	sed Loads	
DBG		Hilti Kı	wik Bolt 3			Simpson S	trong-Bolt 2	2	Т	hrough Bo	lt	w	elded	Through Bolt	Тар	oped	-	Superimp	ocu couus	
Up To	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"	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			٨	I/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	I/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	-		٨	I/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		-	٨	I/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	-			I/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			1	V/A		9	3/4	7 1/2	36	13/16 x 1	36	20	3/8	2367	714	2352	715
21'-5"			-			1	N/A		8	3/4	7 1/2	34	13/16 x 1	34	18	3/8	2568	750	2552	750
22'-5"							-		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 N/A N/A N/A 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	_			V/A	-	7	3/4	7 1/2	27	13/16 x 1	27	15	3/8	3185	857	3169	858





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WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO:
ES-16-62-TCCI CP0020 SLAT NON-IMPACT RATED

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

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

SCALE: SHEET: AS NOTED 38/53 SIZE: DRAWN BY:

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

											Concret	e Minimum	3,000 PSI	Compressive	e Strength (	Anchors are	the same of	diameter as	assembly fa	steners)			
DBG	Windlock			Guide	Windlock	Assembly	Assembly		Hilti Kw	rik Bolt 3			Simpson	Wedge All	0.00			d Tru-Bolt				Vedge-Bolt	
Up To	Flat Location	Slip	Windlock	Assembly	Mold	Fastener Diameter	Fastener Spacing	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 Dis
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 N/A				7	4 1/2	6 3/4	6 7/8		N	I/A			N	I/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	I/A				I/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	I/A			- 1	I/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	I/A			- 1	I/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			I/A	
19'-5"	2 3/8	1.531	CP1152 & CP1153	648	6	3/4	18					8	5	7 1/2	7 1/2	8	6 5/8	9 15/16	7 1/2		١	I/A	
20'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A N/A				8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2			I/A	
21'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	16					7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2			I/A	

							CP0020 - 0	0.0296 Minis	mum Thickne	ss Galvar	nized or Stair	nless Steel -	80 PSF, Cont.							
						Filled CMU	)					Steel (Wa	all anchors are	the same d	diameter as	assembly		Superimpe	osed Loads	
DBG		Hilti Kv	wik Bolt 3			Simpson S	trong-Bolt 2	2	Т	hrough Bo	olt	W	elded	Through Bolt	Тар	ped		Superimpt	sed coads	
Up To	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"	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"		1	V/A			1	V/A		7	5/8	6 7/8	19	11/16 x 7/8	19	10	5/16	2458	581	2427	584
15'-5"		1	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"		1	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"		- 1	N/A			1	N/A		7	5/8	6 7/8	18	11/16 x 7/8	18	10	5/16	2522	698	2503	700
18'-5"		- 1	N/A			1	N/A		8	3/4	7 1/2	33	13/16 x 1	33	18	3/8	2637	739	2612	740
19'-5"		- 1	N/A			1	N/A		8	3/4	7 1/2	33	13/16 x 1	33	18	3/8	2615	777	2596	778
20'-5"		- 0	N/A			1	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						7	3/4	7 1/2	29	13/16 x 1	29	16	3/8	2954	857	2936	858	





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dimensions are in inches & tolerances are:

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

NON-INSULATED ROLLING STEEL DOOR

ES-16-62-TCCI

SCALE: SHEET: AS NOTED 39/53

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

											Concret	e Minimum	3,000 PSI	Compressive	e Strength (	Anchors are	the same of	diameter as a	assembly fa	steners)			
bos	Windlock			C.11-	Windlock	Assembly	Assembly		Hilti Kw	ik Bolt 3				Wedge All				d Tru-Bolt		1		Vedge-Bolt	
DBG Up To	Flat Location	Slip	Windlock	Guide Assembly	Weld Pitch	Fastener Diameter	Fastener Spacing	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 Dis
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					4 1/2	6 3/4	6 7/8		N	I/A			٨	N/A	
15'-5"	1 5/8	0.781	CP1152 & CP1153	648	6	3/4	18	N/A N/A				8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2		N	I/A	
16'-5"	1 3/4	0.906	CP1152 & CP1153	648	6	3/4	18		N	I/A		8	5	7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2		1	N/A	
17'-5"	2	1.156	CP1152 & CP1153	648	6	3/4	18		. 1	I/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					7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2	0		N/A	
19'-5"	2 3/8	1.531	CP1152 & CP1153	648	6	3/4	16						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		I/A		7	5	7 1/2	7 1/2		- 1	I/A			h	N/A		

					F	illed CMU						Steel (Wa	all anchors are	the same d asteners)	liameter as	assembly		Superimpo	need Loads	
DBG		Hilti K	wik Bolt 3		9	Simpson S	trong-Bolt 2		Т	hrough Bo	olt	w	elded	Through Bolt	Тар	ped		Superimpo	73EG E0803	
Up To	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							6	3/4	6 7/8	31	11/16 x 7/8	31	17	3/8	2819	657	2772	658
15'-5"		- 1	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"		- 1	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 N/A					3/4	7 1/2	30	13/16 x 1	30	16	3/8	2875	787	2845	788
18'-5"			N/A N/A							3/4	7 1/2	29	13/16 x 1	29	16	3/8	2989	832	2962	833
19'-5"										3/4	7 1/2	29	13/16 x 1	29	16	3/8	2963	875	2941	876
20'-5"			N/A			N	I/A		7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	3086	919	3067	920





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

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

WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO:
ES-16-62-TCCI

SIZE: SCALE: SHEET: DRAWN BY: AS NOTED 40/53

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

DBG Up To																							
											Concret	e Minimum	3,000 PSI	Compressive	e Strength (	Anchors are	the same of	diameter as	assembly fa	steners)			
<b>Јр То</b>	Windlock	cl:-	ing the st	Guide	Windlock	Assembly	Assembly		Hilti Kw	ik Bolt 3		1	Simpson	Wedge All			Red Hea	d Tru-Bolt	_		Powers V	Vedge-Bolt	
	Flat Location	Slip	Windlock	Assembly	Weld Pitch	Fastener Diameter	Fastener Spacing	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
3'-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
4'-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
5'-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
5'-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
8'-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
9'-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
9'-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
0'-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
0'-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
1'-5"	1 1/2	0.656	CP1152	334	10	3/8	10		28 3 5/8 6 5 3/4 N/A				2 5/8	3 15/16	5 7/16			I/A		4	2 1/2	3 3/4	5 7/16
21'-5"	1 1/2	0.656	CP1152	344	10	1/2	18	N/A 36 3 5/8 8 5 3/4					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
2'-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
3'-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
6'-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 13/1
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 13/10
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 13/10
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			I/A	0 10/10	7	4	6	6 13/10
32'-5"	2	1.156	CP1152 & CP1153	445	8	5/8	18			/A	10 107 10	11	4 1/2	6 3/4	6 13/16			I/A	-	10	5	7 1/2	6 13/1
33'-5"	2	1.156	CP1152 & CP1153	445	7	5/8	18			/A		11	4 1/2	6 3/4	6 13/16			I/A		9	5	7 1/2	6 13/1
34'-5"	2	1.156	CP1152 & CP1153	445	7	5/8	18			/A		10	4 1/2	6 3/4	6 13/16			I/A		9	5	7 1/2	6 13/1
5'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18			/A		10	4 1/2	6 3/4	6 7/8			I/A		8	5	7 1/2	6 7/8
36'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18			/A		9	4 1/2	6 3/4	6 7/8			I/A		8	5	7 1/2	6 7/8
37'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	-		/A		9	4 1/2	6 3/4	6 7/8			I/A		8	5	7 1/2	6 7/8
38'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18			/A		8	4 1/2	6 3/4	-			_		7	5	-	-
39'-5"	2	1.156		-	-	-		-				8		-	6 7/8	-		I/A				7 1/2	6 7/8
40'-5"	2	1.156	CP1152 & CP1153	546 546	6	5/8	17	-		/A /A		8	4 1/2	6 3/4	6 7/8			I/A I/A		7	5	7 1/2 V/A	6 7/8





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

WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO:
ES-16-62-TCCI

DRAWN BY: SIZE:

SCALE: SHEET AS NOTED 41/53

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

						-									CP002	0 - 0.0405	Minimum T	hickness Ga	Ivanized o	r Stainless S	teel - 20 PS	F, Cont.														
						Filled (	CMU											racked Conc		2 - 3 O C - O		LA LIVE	th					Steel (Wa	all anchors are f	the same of asteners)	diameter as	assembly		Superimpo	sed Loads	
		Hilti Kw	vik Bolt 3			Simps	on Strong-Bo	olt 2	T	Т	hrough Bol	t		Hil	ti Kwik Bolt	ΤZ			Simp	son Strong-	Bolt 2			ırw	Redhead Tru	bolt+		W	elded	Through Bolt	Tar	pped				
DBG Up To	Max O.C.	Dia.	Embed	Edge Dist	Max O		1	-	e Dist N	Max. O.C.	Dia.	Edge	Max O.C.	Día.	Embed.	Min Wall	Edge Dist	Max O.C.	Dia.	Embed.	Min Wall Thick.	Edge Dist	Max O.C.	Dia.	Embed.	Min Wall Thick.	dge Dist	Max O.C.	Slot Size	Max O.C.	Max O.C.	Min. Thickness	Vx (+)	Vy (+)	Vx (-)	Vy (-)
101 511	1000000	200		-	444	3.5	- 1		9/16	35	3/8	Distance 4 9/16	36	3/8	2 5/16	Thick.	4 9/16	36	3/8	1 7/8	3 1/4	4 9/16	36	3/8	2		4 9/16	36	7/16 x 5/8	36	36	3/16	0	105	0	105
10'-5"	8	3/8	1 5/8	4 9/16	13		-		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
10'-5"	11	3/8	2 1/2	5 3/4	-	3/8			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
3'-5"	14	3/8	2 1/2	5 3/4	1			_	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
4'-5"	14	3/8	2 1/2	5 3/16	9	1/2	_	_	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
4'-5"	11	1/2	2 1/4	5 3/4	11		_	_	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	274	145	261	145
5'-5"	8	3/8	2 1/2	5 3/16	_		_	_	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
5'-5"	8	1/2	2 1/4	5 3/4	8	1/2	-	_	3/4	34	1/2	5 3/4	36		-	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
6'-5"	8	3/4	3 1/4	5 3/16	-	_			3/16	11	3/8	5 3/16	36	-		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
6'-5"	9	1/2	3 1/2	5 3/4	12	_			3/4	26	1/2	5 3/4	36	-		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
7'-5"	10	3/4	4 3/8	5 3/16	-	3/4		_	3/16	9	3/8	5 3/16	36	36 1/2 3 5/8 6 5 3/4 36 36 1/2 3 5/8 8 5 3/16 28 3 36 1/2 3 5/8 6 5 3/4 28 3 36 3/4 5 9/16 8 5 3/16 22 3 36 3/4 5 9/16 8 5 3/4 28 3 36 3/4 5 9/16 8 5 7/16 16 3 36 3/4 5 9/16 8 5 3/4 28 3 36 3/4 5 9/16 8 5 3/4 28 3 36 3/4 5 9/16 8 5 3/4 28 3 36 3/4 5 9/16 8 5 3/4 38 3 36 3/4 5 9/16 8 5 7/16 3					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
7'-5"	8	1/2	3 1/2	5 3/4	9	3/4		_	3/4	22	1/2	5 3/4		36 1/2 3 5/8 6 5 3/4 28 1 36 3/4 5 9/16 8 5 3/16 22 3 36 1/2 3 5/8 8 5 3/4 28 1 36 3/4 5 9/16 8 5 7/16 16 1 36 3/4 5 9/16 8 5 3/4 28 1					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
8'-5"	9	3/4	4 3/8	5 7/16	3	1 3/	N/A	- 1 -	3/4	8	3/8	5 7/16		36 3/4 5 9/16 8 5 7/16 16 36 3/4 5 9/16 8 5 3/4 28					3/4	4 1/8	6 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	689	185	681	185
8'-5"	10	3/4	4 3/8	5 3/4	8	3/4		/4   5	3/4	18	1/2	5 3/4		36 3/4 5 9/16 8 5 3/4 28					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
9'-5"	8	3/4	4 3/8	5 7/16	0	3/	N/A	-   -	5/1	7	3/8	5 7/16		36 3/4 5 9/16 8 5 7/16					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	792	195	784	195
9'-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					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	793	195	784	195
0'-5"	3		N/A	3 3/4	-		N/A	_		6	3/8	5 7/16		N/A						N/A	= 33				N/A			14	7/16 x 5/8	14	9	3/16	945	205	938	206
0'-5"	8	3/4	-	5 3/4			N/A			14	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	947	206	938	206
1'-5"	0		V/A	3 3/4		-	N/A			5	3/8	5 7/16			N/A					N/A					N/A			13	7/16 x 5/8	13	8	3/16	1049	216	1042	216
1'-5"			V/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	1050	216	1042	216
2'-5"			V/A				N/A			11	1/2	5 3/4			N/A					N/A					N/A			21	9/16 x 3/4	21	12	1/4	1154	226	1145	226
3'-5"	8	3/4	-	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	_	25	5/16	876	234	871	235
4'-5"	-		N/A	1			N/A			16	5/8	6 1/4			N/A					N/A					N/A			36	11/16 x 7/8	_	22	5/16	986	244	980	245
5'-5"			N/A				N/A			15	5/8	6 1/4			N/A					N/A					N/A			36	11/16 x 7/8	-	21	5/16	1067	255	1061	255
6'-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	-	23	5/16	1148	265	1142	265
27'-5"			N/A				N/A			15	5/8	6 13/16			N/A					N/A					N/A			36	11/16 x 7/8	-	22	5/16	1229	275	1224	275
28'-5"			N/A				N/A			14	5/8	6 13/16			N/A					N/A					N/A			36	11/16 x 7/8	-	20	5/16	1311	285	1305	285 296
29'-5"		N	N/A				N/A			13	5/8	6 13/16			N/A					N/A					N/A			35	11/16 x 7/8	-	19	5/16	1394	295	1388	306
30'-5"			N/A				N/A		-	12	5/8	6 13/16			N/A					N/A					N/A			33	11/16 x 7/8	_	18	5/16	1476	305	1471	316
31'-5"		٨	N/A				N/A			12	5/8	6 13/16			N/A					N/A					N/A			31	11/16 x 7/8	-	17	5/16	1560	315	1554	_
32'-5"			N/A				N/A			11	5/8	6 13/16			N/A					N/A					N/A			29	11/16 x 7/8	1	16	5/16	1644	325	1638	326 336
3'-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	-	15	5/16	1729	336	1723	346
34'-5"			N/A				N/A			10	5/8	6 13/16		N/A N/A						N/A					N/A			27	11/16 x 7/8	-	15	5/16	1815	346		357
5'-5"			N/A				N/A			10	5/8	6 7/8	N/A							N/A			1		N/A			24	11/16 x 7/8	_	13	5/16	1902	356	1895 1983	367
6'-5"			N/A				N/A			9	5/8	6 7/8	N/A							N/A			12.33		N/A			23	11/16 x 7/8	-	13	5/16	1989	366		367
37'-5"			N/A				N/A			9	5/8	6 7/8								N/A					N/A			22	11/16 x 7/8	_		5/16	2077	376	2071	387
38'-5"		_	N/A				N/A			8	5/8	6 7/8	-1-							N/A					N/A			21	11/16 x 7/8	_	11	5/16	2167	_	2250	398
39'-5"			N/A				N/A			8	5/8	6 7/8			N/A					N/A			1		N/A			20	11/16 x 7/8	-	11	5/16	2257	397 407	2341	408
40'-5"			N/A				N/A			8	5/8	6 7/8	( Ballion		N/A			1		N/A					N/A			19	11/16 x 7/8	3 19	11	5/16	2348	407	2341	408



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

WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO:
ES-16-62-TCCI CP0020 SLAT NON-IMPACT RATED

SCALE: SHEET DRAWN BY: SIZE: AS NOTED 42/53

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

								CP0020 -	0.0405 Mi	nimum Thi	kness Galv	anized or St	ainless Ste	el - 30 PSF		Cat Made	4E 2 - 200	Provide a se	annamble 6	etanaer)	_		
			-			4	h				Concret	e Minimum			e Strength (	Anchors are			assembly fa	isteners)	-		
DBG	Windlock		11 . 3 5 5 -	Guide	Windlock	Assembly	Assembly	Thick.  36  2 3/8  4  4 9/16  36  2 3/8  4  5 3/4  N/A  36  3 5/8  6  5 3/4  N/A  N/A  36  3 6/25  8  5.75  36  4 3/8  6  6 1/4  36  4 3/8  6  6 13/16  28  4 3/8  6  6 13/16  28  4 3/8  8  6 13/16  28  4 3/8  8  6 13/16  N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/				Simpson	Wedge All		11 -	Red Hea	d Tru-Bolt			Powers W	/edge-Bolt	1	
Up To	Flat Location	Slip	Windlock	Assembly	Weld Pitch	Fastener Diameter	Fastener Spacing	Max O.C.	Embed		Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	100000 515	Embed	Min. Wall Thick.	Eage Dis
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	I/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	I/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	I/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	I/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			I/A		5	2 5/8	3 15/16	5 7/16		1	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 13/1
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 13/1
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 13/1
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 13/1
24'-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		1	N/A		7	4	6	6 13/1	
25'-5"	2	1.156	CP1152 & CP1153	445	8	5/8	18		1	N/A		11	4 1/2	6 3/4	6 13/16		1	N/A		9	5	7 1/2	6 13/1
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		1	V/A		10	4 1/2	6 3/4	6 7/8		- 1	N/A		8	5	7 1/2	6 7/8
28'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18		- 1	N/A		9	4 1/2	6 3/4	6 7/8		- 1	N/A		8	5	7 1/2	6 7/8
29'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	17		1	N/A		8	4 1/2	6 3/4	6 7/8		- 1	N/A		7	5	7 1/2	6 7/8
30'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	16		- 1	N/A		8	4 1/2	6 3/4	6 7/8			N/A			- 1	N/A	
31'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	16		1	N/A		8	4 1/2	6 3/4	6 7/8		- 1	N/A			1	N/A	
32'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15	1	- 1	N/A		7	4 1/2	6 3/4	6 7/8			N/A			1	N/A	
33'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14		- 4	N/A		7	4 1/2	6 3/4	6 7/8			N/A			1	N/A	
34'-5"	2	1.156	CP1152 & CP1153	648	6	3/4	18		1	N/A		7	4 1/2	6 3/4	6 7/8		1	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		1	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		Ů.	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		- 1	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 N/A				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	





tolerances are:

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

Unless otherwise specified, dimensions are in inches &

WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO:

ES-16-62-TCCI CP0020 SLAT NON-IMPACT RATED

SCALE: SHEET DRAWN BY: SIZE: AS NOTED 43/53

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

														CPOC	20 - 0.040	5 Minimum	Thickness G	alvanized o	or Stainless	Steel - 30 F	SF, Cont.														
						Filled CN	NU									(	Cracked Con	crete Minir	num 3,000	PSI Compre	ssive Streng	th					Steel (W	/all anchors are	the same (	diameter as	assembly		Superimpo	sed Loads	
DBG	Max O.C. Dia. Embed Edg  18 3/8 1 5/8 4  10 3/8 2 1/2 5  10 3/4 4 3/8 5  8 1/2 3 1/2 5  10 3/4 4 3/8 5  8 3/4 3 1/4 5  9 3/4 4 3/8 5  10 3/4 4 3/8 5  N/A  N/A  N/A  N/A  N/A  N/A  N/A				Simpson	Strong-Bolt	2	1 7 63	Through Bo	lt		Hi	lti Kwik Bol	TZ			Simp	son Strong-	Bolt 2			ITW	Redhead Tru	bolt+		v	Velded	Through Bolt	Та	pped		Superimpe	300 10003		
Up To	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	Edge Dist	Max O.C.	Dia.	Embed.	Min Wall	Edge Dist	Max O.C.	Dia.	Embed.	Min Wall Thick.	dge Dist	Max O.C.	Slot Size	Max O.C.	Max O.C.	Min. Thickness	Vx (+)	Vy (+)	Vx (-)	Vy (-)
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			N/A	1				N/A					N/A			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	I/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			N/A			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			N/A			28	9/16 x 3/4	28	15	1/4	874	248	861	248
17'-5"		N/A 8 3/4 4 3/8 5 3/4 N/A 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	1080	263	1069	263
17'-5"		N	I/A				N/A		12	1/2	5 3/4			N/A			28.5	0.75	5.75	8.75	5.75			N/A			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	I/A				N/A		16	5/8	6 1/4	190		N/A					N/A					N/A			36	11/16 x 7/8	36	23	5/16	976	291	968	292
20'-5"		N	I/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			N/A			36	11/16 x 7/8	36	25	5/16	1092	306	1083	307
21'-5"		N	I/A		Target.		N/A		15	5/8	6 13/16			N/A					N/A					N/A			36	11/16 x 7/8	36	22	5/16	1206	321	1198	322
22'-5"		N	I/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	1321	336	1313	337
23'-5"		N	I/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	1436	352	1428	353
24'-5"		N	I/A				N/A		12	5/8	6 13/16			N/A					N/A					N/A			31	11/16 x 7/8	31	17	5/16	1551	367	1543	368
25'-5"		N	I/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	1667	382	1659	383
26'-5"		N	I/A				N/A		10	5/8	6 7/8			N/A					N/A					N/A			26	11/16 x 7/8	26	14	5/16	1784	397	1775	398
27'-5"		N	I/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	1901	412	1893	413
28'-5"		N	I/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	2020	428	2011	429
29'-5"		N	I/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	2140	443	2131	444
30'-5"		N	I/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	2261	458	2252	459
31'-5"		N	I/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	2383	474	2374	475
32'-5"		N	I/A		1		N/A		7	5/8	6 7/8			N/A					N/A					N/A			18	11/16 x 7/8	18	10	5/16	2507	489	2498	490
33'-5"		N	I/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	2632	504	2623	506
34'-5"		N	I/A				N/A		7	3/4	6 7/8			N/A					N/A					N/A			36	11/16 x 7/8	36	21	3/8	2286	517	2278	518
35'-5"		N	I/A				N/A		9	3/4	7 1/2	1		N/A					N/A					N/A			36	13/16 x 1	36	20	3/8	2394	533	2386	533
36'-5"		N	I/A				N/A		9	3/4	7 1/2			N/A					N/A					N/A			35	13/16 x 1	35	19	3/8	2502	548	2494	549
37'-5"		N	I/A				N/A		8	3/4	7 1/2			N/A					N/A					N/A			34	13/16 x 1	34	18	3/8	2612	563	2604	564
38'-5"		N	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	2723	579	2714	579
39'-5"		- N	N/A				N/A		8	3/4	7 1/2	Haut E.		N/A			1		N/A					N/A			31	13/16 x 1	31	17	3/8	2835	594	2826	595
40'-5"		- 1	N/A		10000		N/A		7	3/4	7 1/2	1		N/A		,			N/A					N/A			30	13/16 x 1	30	16	3/8	2948	609	2939	610





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WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO:
ES-16-62-TCCI

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

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

SCALE: SHEET: AS NOTED 44/53 DRAWN BY: SIZE:

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

								CP0020 -	U.0405 IVII	inimum Thio					e Strength (	Anchors are	the same d	liameter as a	ssembly fa	steners)			
	Windlock			100	Windlock	Assembly	Assembly		Hilti Kv	vik Bolt 3	Concret			Wedge All		I		Tru-Bolt			Powers V	Vedge-Bolt	
DBG Up To	Flat	Slip	Windlock	Guide Assembly	Weld Pitch	Fastener Diameter	Fastener Spacing	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.	Euge 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		٨	I/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		٨	I/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
8'-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	16		/A		7	4	6	6 13/16
21'-5"	2	1.156	CP1152 & CP1153	445	8	5/8	18					11	4 1/2	6 3/4	6 13/16			/A		9	5	7 1/2	6 13/16
22'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	N/A N/A					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		1	N/A		9	4 1/2	6 3/4	6 7/8			I/A		8	5	7 1/2	6 7/8
24'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	17		1	N/A		8	4 1/2	6 3/4	6 7/8			I/A		7	5	7 1/2	6 7/8
25'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	16		1	N/A		8	4 1/2	6 3/4	6 7/8	1	N	I/A			_	N/A	
26'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15		- 1	N/A		7	4 1/2	6 3/4	6 7/8			I/A				N/A	
27'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14		1	N/A		7	4 1/2	6 3/4	6 7/8		N	I/A				N/A	
28'-5"	2	1.156	CP1152 & CP1153	648	6	3/4	18		1	N/A		7	4 1/2	6 3/4	6 7/8			I/A				N/A	-
29'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		- 1	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		- 1	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		- 1	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		1	N/A			-	N/A	





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

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

WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO: ES-16-62-TCCI CP0020 SLAT NON-IMPACT RATED

SCALE: SHEET SIZE: DRAWN BY: AS NOTED 45/53

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

						Filled	d CMU							Ci oozi	0.0.03				mum 3,000 F			gth					Steel (W	all anchors are	the same (	diameter as	assembly		Superimpo	sed Loads	
		Hilti Kw	ik Bolt 3			Simps	son Strong-Bolt	2		Through Bo	t		Hil	ti Kwik Bolt T	Z			Simp	oson Strong-	Bolt 2			ITW	Redhead Tr	ubolt+		W	/elded	Through Bolt	Тар	ped		Superimpe	Jaca Louas	
DBG Up To	Max O.C.	Dia.	Embed Edge Dist Max O.C. Dia. Embed Edge Dist Max. O.C. Dia. Dia. Dia. Dia. Dia. Dia. Dia. 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	Vx (+)	Vy (+)	Vx (-)	Vy (-)							
7'-5"	14	3/8	2 1/2	1 0/16	0	2/	/0 2 5/0	4 9/16	24	3/8		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	5	4 9/16	36	7/16 x 5/8	36	36	3/16	0	150	0	149
7'-5"	9	3/8	_		-	-			_					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"	0		/A	3 3/4	13	1 3/		1 5 5/1	6					N/A			28 1/2	3/4	5 3/4	8 3/4	5 7/16			N/A			14	7/16 x 5/8	14	9	3/16	986	270	967	271
13'-5"			/A						13			19	3/4	5 9/16	8	5 3/4	36	3/4	5 3/4	8 3/4	5 3/4			N/A			25	9/16 x 3/4	25	14	1/4	989	271	967	271
14'-5"			/A			_			6		-			N/A					N/A					N/A			14	7/16 x 5/8	14	9	3/16	959	290	944	290
14'-5"			/A				N/A		13	1/2	5 3/4			N/A					N/A					N/A			25	9/16 x 3/4	_	14	1/4	961	290	944	290
15'-5"			/A	N/A 15 5/8 6 1/4									N/A			36	3/4	5 3/4	8 3/4	6 1/4			N/A			36	11/16 x 7/8	_	22	5/16	1031	309	1015	310	
16'-5"		N/A N/A 14 5/8 6 1/4 N/A							N/A		0.00			N/A					N/A			36	11/16 x 7/8	_	21	5/16	1098	329	1085	330					
17'-5"			N/A N/A 16 5/8 613/16 N/A						N/A			36	3/4	5 3/4	8 3/4	6 13/16			N/A			36	11/16 x 7/8	_	25	5/16	1082	348	1071	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	_	22	5/16	1230	368	1220	369
19'-5"		N	/A				N/A		13	5/8	6 13/16			N/A					N/A					N/A			35	11/16 x 7/8	_	19	5/16	1378	388	1367	389
20'-5"		N	/A				N/A		12	5/8	6 13/16			N/A					N/A					N/A			32	11/16 x 7/8	_	17	5/16	1524	408	1514	410
21'-5"		N	/A				N/A		11	5/8	6 13/16			N/A					N/A					N/A			29	11/16 x 7/8	-	16	5/16	1671	429	1661	430 450
22'-5"		N	/A				N/A		10	5/8	6 7/8			N/A					N/A				_	N/A			25	11/16 x 7/8	_	14	5/16	1818 1967	449 469	1956	470
23'-5"		N	/A				N/A		9	5/8	6 7/8			N/A					N/A					N/A			23	11/16 x 7/8	_	13	5/16 5/16	2116	489	2105	491
24'-5"		N	/A				N/A		8	5/8	6 7/8			N/A					N/A			-		N/A			22	11/16 x 7/8	-	12	5/16	2267	510	2256	511
25'-5"		N	/A				N/A		8	5/8	6 7/8			N/A					N/A					N/A			20	11/16 x 7/8		11	5/16	2419	530	2408	532
26'-5"		N	/A				N/A		7	5/8	6 7/8			N/A					N/A					N/A			19	11/16 x 7/8	_	10	5/16	2573	551	2562	552
27'-5"		N	/A				N/A		7	5/8	6 7/8			N/A					N/A				_	N/A			18	11/16 x 7/8 11/16 x 7/8	-	21	3/8	2255	569	2245	569
28'-5"		N	/A				N/A		7	3/4	6 7/8			N/A					N/A			-		N/A			36	13/16 x 1/8	36	20	3/8	2387	589	2377	590
29'-5"	1	N	/A				N/A		9	3/4	7 1/2			N/A					N/A					N/A			36	13/16 x 1	35	19	3/8	2521	609	2511	610
30'-5"		N	/A				N/A		9	3/4	7 1/2	-		N/A					N/A					N/A		_	35	13/16 x 1	33	18	3/8	2657	630	2646	630
31'-5"		N	/A				N/A		8	3/4	7 1/2	N/A							N/A			-		N/A			33	13/16 x 1	31	17	3/8	2794	650	2783	651
32'-5"		N	I/A				N/A		8	3/4	7 1/2								N/A				-	N/A		-	30	13/16 x 1	30	16	3/8	2932	671	2922	671
33'-5"		N	I/A				N/A		7	3/4	7 1/2 N/A								N/A					N/A			28	13/16 x 1	28	15	3/8	3072	691	3062	692
34'-5"		N	I/A				N/A		7	3/4	7 1/2								N/A			-		N/A		_	27	13/16 x 1	_	15	3/8	3214	711	3203	712
35'-5"		N	I/A				N/A		7	3/4	7 1/2			N/A				-	N/A					N/A			21	13/10 X I	2/	13	3/0	32.14	7.4.4	3203	_





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WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO: ES-16-62-TCCI CP0020 SLAT NON-IMPACT RATED

SCALE: SHEET: AS NOTED 46/53 DRAWN BY: SIZE:

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

								CP0020 -	0.0405 Mi	inimum Thi	kness Galv	anized or St	ainless Ste	el - 50 PSF									
											Concret	e Minimum	3,000 PSI (	Compressive	Strength (	Anchors are	the same	diameter as	assembly fa	steners)			
DBG	Windlock			Guide	Windlock	Assembly	Assembly		Hilti Kw	rik Bolt 3			Simpson	Wedge All			Red Hea	d Tru-Bolt				Vedge-Bolt	
Up To	Flat Location	Slip	Windlock	Assembly	Weld Pitch	Fastener Diameter	Fastener Spacing	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 Dis
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		- 1	I/A			N	I/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	I/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	I/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	I/A		9	4 1/2	6 3/4	6 7/8		- 1	N/A		8	5	7 1/2	6 7/8
21'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	17		N	I/A		8	4 1/2	6 3/4	6 7/8		1	N/A		7	5	7 1/2	6 7/8
22'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15		N	I/A		8	4 1/2	6 3/4	6 7/8			N/A			N	I/A	
23'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14		N	I/A		7	4 1/2	6 3/4	6 7/8			N/A			N	I/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	I/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		1	N/A			N	I/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	I/A	
29'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	17	N/A					5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2		N	I/A	
30'-5"	2 1/2	1.656	CP1152 & CP1153	648	5	3/4	16		N	I/A		7	5	7 1/2	7 1/2		1	V/A				I/A	

								10.000	200000000000000000000000000000000000000	ess Galvan	100000		11-11-1							
						Filled CMU						Steel (Wa	all anchors are	the same d asteners)	liameter as	assembly		Superimpo	sed Loads	
DBG		Hilti K	wik Bolt 3			Simpson S	trong-Bolt 2		Т	hrough Bo	lt	W	elded	Through Bolt	Тар	pped		3 april mp		
<b>Up То</b>	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"		- 1	V/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"		3	N/A			N	I/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	I/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	I/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	I/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			٨	I/A		8	5/8	6 7/8	21	11/16 x 7/8	21	12	5/16	2136	536	2123	538
22'-5"		3	N/A			٨	I/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 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 N/A								3/4	7 1/2	29	13/16 x 1	29	16	3/8	3008	737	2996	738
30'-5"		10	N/A			1	I/A		7	3/4	7 1/2	27	13/16 x 1	27	15	3/8	3174	762	3162	763



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dimensions are in inches & tolerances are:

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

WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO:
ES-16-62-TCCI

DRAWN BY: SCALE: SHEET: AS NOTED 47/53 SIZE:

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

										nimum Thic					Strength (	Anchors are	the same o	diameter as a	assembly fa	steners)			
DBG	Windlock			Guide	Windlock	Assembly	Assembly		Hilti Kw	vik Bolt 3				Wedge All	- Strengtin (			d Tru-Bolt				Wedge-Bolt	
Up To	Flat Location	Slip	Windlock	Assembly	Weld Pitch	Fastener Diameter	Fastener Spacing	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 Dis
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			1	V/A	
15'-5"	1 5/8	0.781	CP1152 & CP1153	445	7	5/8	18		N	I/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		I/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	I/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	I/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	I/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			1	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			1	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			1	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			1	N/A	

							CP0020 - 0	0.0405 Minii	num Thickne	ss Galvar	nized or Stair	nless Steel -	60 PSF, Cont.							
						Filled CMU	j					Steel (Wa	all anchors are	the same of asteners)	liameter as	assembly		Cuparima	osed Loads	
DBG		Hilti k	wik Bolt 3		13	Simpson S	trong-Bolt 2	2	TI	nrough Bo	olt	w	elded	Through Bolt	Тар	ped		Superimpo	oseu Lodus	
Up To	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"	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					V/A		8	1/2	5 3/4	12	9/16 x 3/4	12	12	1/4	1648	435	1625	436
15'-5"						1	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		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	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			1	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 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





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Unless otherwise specified, tolerances are:

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

WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO:
ES-16-62-TCCI

DRAWN BY: SCALE: SHEET: SIZE: AS NOTED 48/53

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

								CP0020 -	0.0405 Mi	inimum Thic					Characte /	b	the come	diameter ar	accombly fo	ctoners)			
	Windlock				Windlock	Assembly	Assembly		Hilti Kw	vik Bolt 3	Concret	e Minimum	_	Compressive Wedge All	e Strength (/	Anchors are		d Tru-Bolt	assembly ra	stellers)		Vedge-Bolt	
DBG Up To	Flat	Slip	Windlock	Guide Assembly	Weld Pitch	Fastener Diameter	Fastener Spacing	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 Dis
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			I/A			N	I/A	
15'-5"	1 5/8	0.781	CP1152 & CP1153	546	7	5/8	18		N	I/A		10	4 1/2	6 3/4	6 7/8		٨	I/A		8	5	7 1/2	6 7/8
16'-5"	1 3/4	0.906	CP1152 & CP1153	546	7	5/8	18		N	I/A		9	4 1/2	6 3/4	6 7/8		N	I/A		8	5	7 1/2	6 7/8
17'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18		N	I/A		9	4 1/2	6 3/4	6 7/8			I/A		8	5	7 1/2	6 7/8
18'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	16		N	I/A		8	4 1/2	6 3/4	6 7/8		N	I/A		7	5	7 1/2	6 7/8
19'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15		N	I/A		7	4 1/2	6 3/4	6 7/8			I/A			N	I/A	
20'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	13		N	I/A		7	4 1/2	6 3/4	6 7/8		N	I/A			٨	I/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		1	I/A				I/A	

						Filled CMU	1.					Steel (Wa	all anchors are	the same d asteners)	iameter as	assembly		Superimpo	sed Loads	
DBG		Hilti Kv	vik Bolt 3			Simpson S	trong-Bolt 2		TI	hrough Bo	olt	W	elded	Through Bolt	Тар	ped		Superimpe	Joed Lodds	
Up To	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"	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"		- 1	N/A			N	I/A		8	1/2	5 3/4	12	9/16 x 3/4	12	12	1/4	1820	472	1796	472
15'-5"		- 1	N/A	~		N	I/A		10	5/8	6 7/8	24	11/16 x 7/8	24	13	5/16	1904	503	1880	505
16'-5"		- 1	N/A			N	I/A	×	9	5/8	6 7/8	23	11/16 x 7/8	23	13	5/16	1986	535	1965	537
17'-5"	2 100	- 1	N/A			N	I/A		9	5/8	6 7/8	24	11/16 x 7/8	24	13	5/16	1935	566	1919	568
18'-5"		1	N/A			1	I/A		-8	5/8	6 7/8	21	11/16 x 7/8	21	12	5/16	2158	599	2142	601
19'-5"						1	I/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 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





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DRAWN BY:

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

Unless otherwise specified,

dimensions are in inches &

WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO: ES-16-62-TCCI CP0020 SLAT NON-IMPACT RATED

SCALE: SHEET: SIZE: AS NOTED 49/53

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

								CP0020 -	0.0405 Mi	nimum Thic													
					21.2.11						Concret	e Minimum	3,000 PSI	Compressive	e Strength (A	Anchors are	the same of	diameter as	assembly fa	steners)			
DBG	Windlock			Guide	Windlock	Assembly	Assembly		Hilti Kw	rik Bolt 3			Simpson	Wedge All		1	Red Hea	d Tru-Bolt				Vedge-Bolt	
Up To	Flat Location	Slip	Windlock	Assembly	Weld Pitch	Fastener Diameter	Fastener Spacing	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 Dis
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	I/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	I/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	I/A		7	5	7 1/2	6 7/8
17'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	16	N/A N/A				8	4 1/2	6 3/4	6 7/8		N	I/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	I/A			1	I/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	I/A			N	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		١	N/A	
21'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	N/A N/A				8	5	7 1/2	7 1/2	9	6 5/8	9 15/16	7 1/2		- 1	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		1	N/A	
23'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	17	N/A 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		1	I/A			- 1	N/A	

							CP0020 - 0	.0405 Minii	mum Thickne	ess Galvar	lized or Stai	niess Steel -	70 PSF, Cont.							
						Filled CML	1					Steel (Wa	all anchors are	the same of asteners)	liameter as	assembly		Superimpo	osed Loads	
DBG		Hilti K	wik Bolt 3			Simpson S	trong-Bolt 2	2	T	hrough Bo	olt	w	elded	Through Bolt	Тар	oped		ээрсттр	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Up To	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"	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 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 N/A							8	5/8	6 7/8	21	11/16 x 7/8	21	12	5/16	2163	576	2141	578
17'-5"		1	N/A			N	I/A		8	5/8	6 7/8	22	11/16 x 7/8	22	12	5/16	2106	609	2089	612
18'-5"		- 1	N/A			N	I/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	I/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 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 N/A N/A								3/4	7 1/2	30	13/16 x 1	30	16	3/8	2936	819	2920	820
24'-5"		- 0	N/A			1	I/A		7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	3148	855	3132	856





dimensions are in inches & tolerances are:

Unless otherwise specified,

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

NON-INSULATED ROLLING STEEL DOOR
CP0020 SLAT NON-IMPACT RATED

DRAWN BY: SIZE: SCALE: CP0020 SLAT NON-IMPACT RATED

SCALE: SHEET: AS NOTED 50/53

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

											Concret	e Minimum	3,000 PSI	Compressive	e Strength (	Anchors are	the same o	diameter as	assembly fa	asteners)			
DBG	Windlock	1		Guide	Windlock	Assembly	Assembly		Hilti Kw	vik Bolt 3			Simpson	Wedge All			Red Hea	d Tru-Bolt				Vedge-Bolt	
Up To	Flat Location	Slip	Windlock	Assembly	Weld Pitch	Fastener Diameter	Fastener Spacing	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 Dis
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	I/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	I/A		8	4 1/2	6 3/4	6 7/8		N	I/A			N	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	I/A			N	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	I/A			N	N/A	
17'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14		N	I/A		7	4 1/2	6 3/4	6 7/8		N	I/A			N	N/A	
18'-5"	2 1/4	1.406	CP1152 & CP1153	648	6	3/4	18		N	I/A		9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2		N	N/A	
19'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		N	I/A		9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2		٨	N/A	
20'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		N	I/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					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					7	5	7 1/2	7 1/2		N	I/A			1	N/A	

_							CP0020 - 0			25 451141	2024 30 3477			_						
					110	Filled CMU						Steel (Wa	all anchors are	the same of fasteners)	iameter as	assembly		Superimor	osed Loads	
DBG	11-	Hilti K	wik Bolt 3			Simpson S	trong-Bolt 2		TH	nrough Bo	olt	w	elded	Through Bolt	Тар	ped		Supermipe	oseu coaus	
Up To	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"	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	I/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					N	I/A		7	5/8	6 7/8	18	11/16 x 7/8	18	10	5/16	2518	659	2493	661
17'-5"		1	N/A			N	I/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	I/A		9	3/4	7 1/2	35	13/16 x 1	35	19	3/8	2437	737	2414	737	
19'-5"	1971							9	3/4	7 1/2	35	13/16 x 1	35	19	3/8	2444	775	2425	776	
20'-5"	N/A						I/A	1088	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			- 1	I/A		7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	3140	896	3122	897





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Unless otherwise specified, dimensions are in inches &

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

WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO:
ES-16-62-TCCI

SCALE: SHEET: AS NOTED 51/53 SIZE: DRAWN BY:

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

			-					Cr 0020	0.0403 141	inimum Thic					-								
											Concret	te Minimum	3,000 PSI	Compressive	e Strength (	Anchors are	the same of	diameter as a	assembly fa	steners)			
DBG	Windlock	20	100 100	Guide		Assembly	Assembly			vik Bolt 3				Wedge All				d Tru-Bolt			Powers V	Vedge-Bolt	
Up To	Flat Location	Slip	Windlock	Assembly	Weld Pitch	Fastener Diameter	Fastener Spacing	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 Di
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	I/A			N	I/A	
15'-5"	1 5/8	0.781	CP1152 & CP1153	648	6	3/4	18		N	I/A		8	5	7 1/2	7 1/2	8	6 5/8	9 15/16	7 1/2		N	I/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	I/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	I/A	
18'-5"	2 1/4	1.406	CP1152 & CP1153	648	6	3/4	18	1	N	/A		8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2			I/A	
19'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	17	1911			7	5	7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2			I/A		
20'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	16				7	5	7 1/2	7 1/2			/A				I/A		

												Steel (W/	all anchors are	the came o	iameter ac	accombly				
					1	Filled CMU	J					Steel (WA		fasteners)	nameter as	assembly		Commission		
DBG		Hilti K	vik Bolt 3		1	Simpson S	trong-Bolt 2	2	TI	hrough B	olt	W	elded	Through Bolt	Тар	pped		Superimpo	osed Loads	
Up To	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"		- 1	N/A			N	I/A		7	5/8	6 7/8	17	11/16 x 7/8	17	9	5/16	2694	653	2658	656
15'-5"		1	N/A			N	I/A		8	3/4	7 1/2	31	13/16 x 1	31	17	3/8	2791	699	2748	700
16'-5"		- 1	N/A			N	I/A		8	3/4	7 1/2	30	13/16 x 1	30	16	3/8	2886	743	2848	744
17'-5"	Ē	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 N/A							7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	3033	918	3013	919





0.000 = +/- 0.031

dimensions are in inches & tolerances are:

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

WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO:

ES-16-62-TCCI

DRAWN BY: SCALE: SHEET: SIZE: AS NOTED 52/53

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

	_			_				CP0020 -	0.0405 Mir	nimum Thick	kness Galva	nized or Sta	inless Ste	el - 100 PSF									
							2				Concret	e Minimum	3,000 PSI	Compressive	e Strength (A	Anchors are	the same o	diameter as	assembly fa	steners)			
DBG	Windlock	Clie	100 m 3	Guide		Assembly				ik Bolt 3		1 -		Wedge All			Red Hear	d Tru-Bolt			Powers W	/edge-Bolt	
Uр То	Flat Location	Slip	Windlock	Assembly	Weld Pitch	Fastener Diameter	Fastener Spacing	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 Dis
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		_	/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			/A				/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			/A				/A	_
17'-5"	2	1.156	CP1152 & CP1153	648	5	3/4	16		N	/A		7	5	7 1/2	7 1/2			/A				/A	_
18'-5"	2 1/4	1.406	CP1152 & CP1153	648	5	3/4	16	.91.				7	5	7 1/2	7 1/2			/A	-			/A	_
19'-5"	2 1/2	1.656	CP1152 & CP1153	648	5	3/4	15	1411				7	5	7 1/2	7 1/2			/A				/A	

										ss Galvan										
						Filled CMU	J					Steel (W	all anchors are	the same d fasteners)	liameter as	assembly		Sunarima	end I ands	
DBG		Hilti K	wik Bolt 3			Simpson S	trong-Bolt 2	2	TI	nrough Bo	olt	w	elded	Through Bolt	Тар	ped		Superimpo	osed Loads	
Uр То	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"		-1	N/A			N	I/A		7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	3142	777	3095	778
16'-5"		- 1	N/A			N	I/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	I/A		7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	3144	874	3110	875
18'-5"		-0.15	N/A			N	I/A		7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	3109	921	3081	923
19'-5"		- 1	N/A			N/A				3/4	7 1/2	28	13/16 x 1	28	15	3/8	3111	969	3089	970



dimensions are in inches & tolerances are:

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

WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO:

ES-16-62-TCCI

DRAWN BY: SCALE: SHEET: AS NOTED 53/53 SIZE: