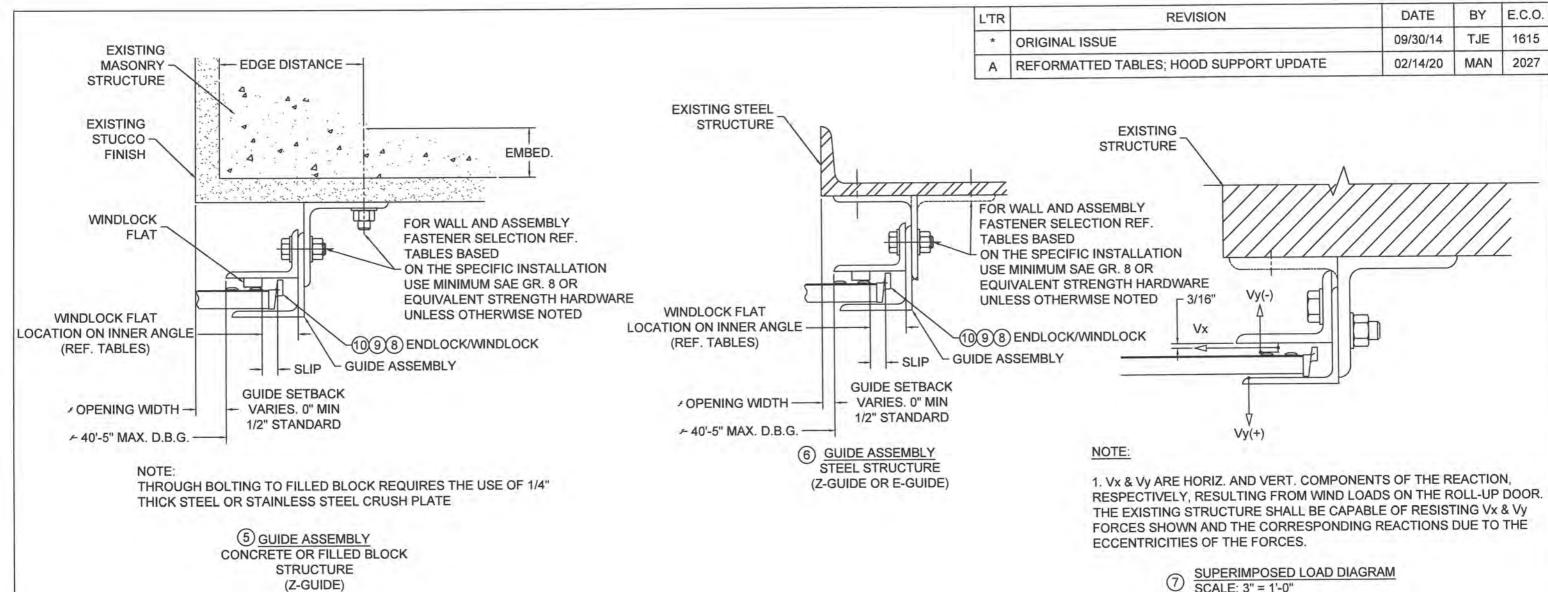


REVISION	DATE	BY	E.C.O.
	09/30/14	TJE	1615
HOOD SUPPORT UPDATE	02/14/20	MAN	2027

ELMWOOD AVE 1901 S. I JNTAINTOP, PA GOO		dimens	otherwise specified, ions are in inches & blerances are:
00.233.8366 00.526.0841 .DS@CORNELLIRON.CO	DM	FRAC	000 = +/- 0.031 TIONAL = +/- 1/32 _ES = +/- 1/2 DEG
RATION	DRAWN BY: TJE	SIZE: B	SCALE: SHEET: AS NOTED 2/53
STEEL DOOR		-16-6	2-CIW



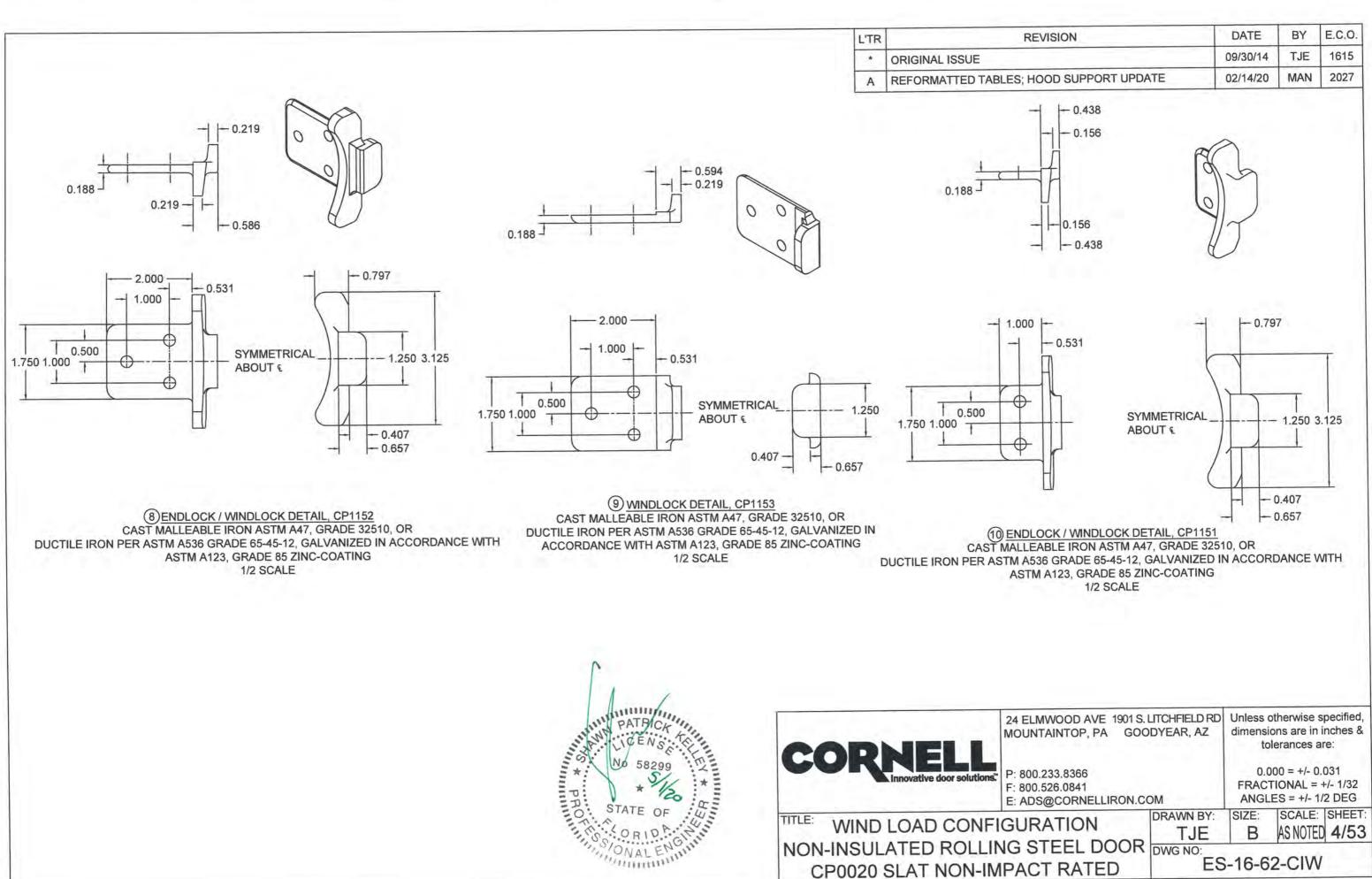


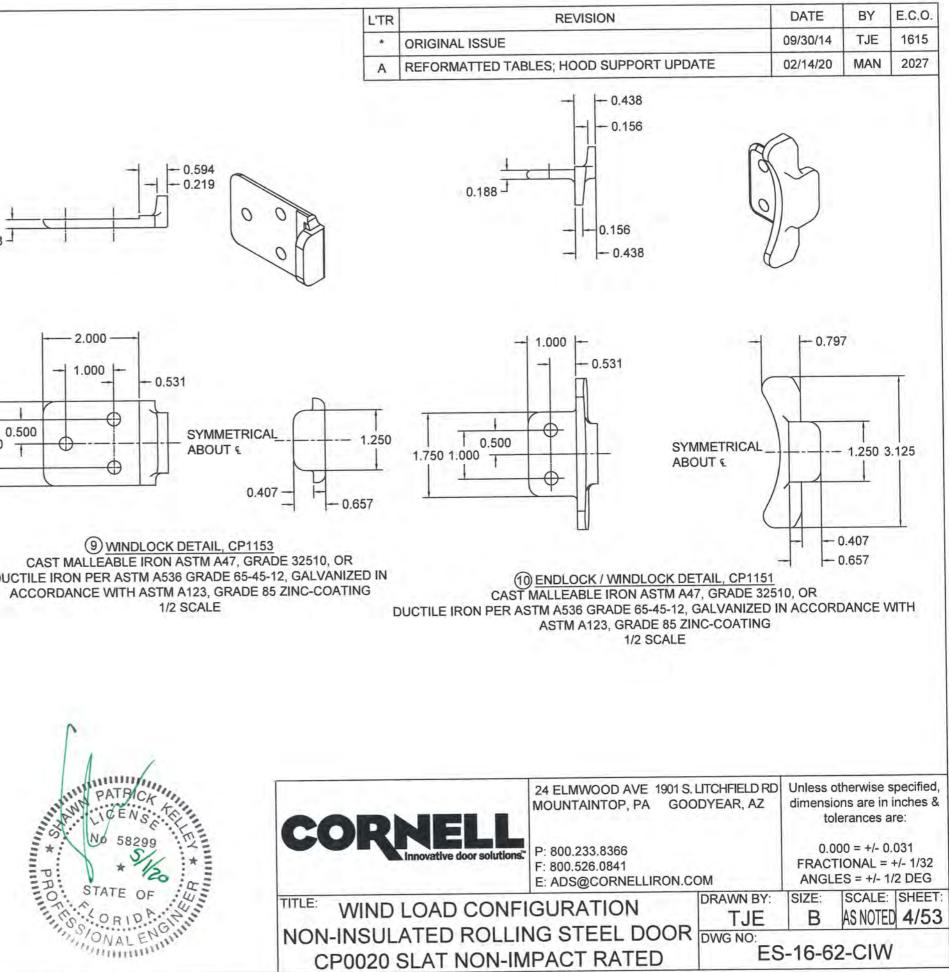


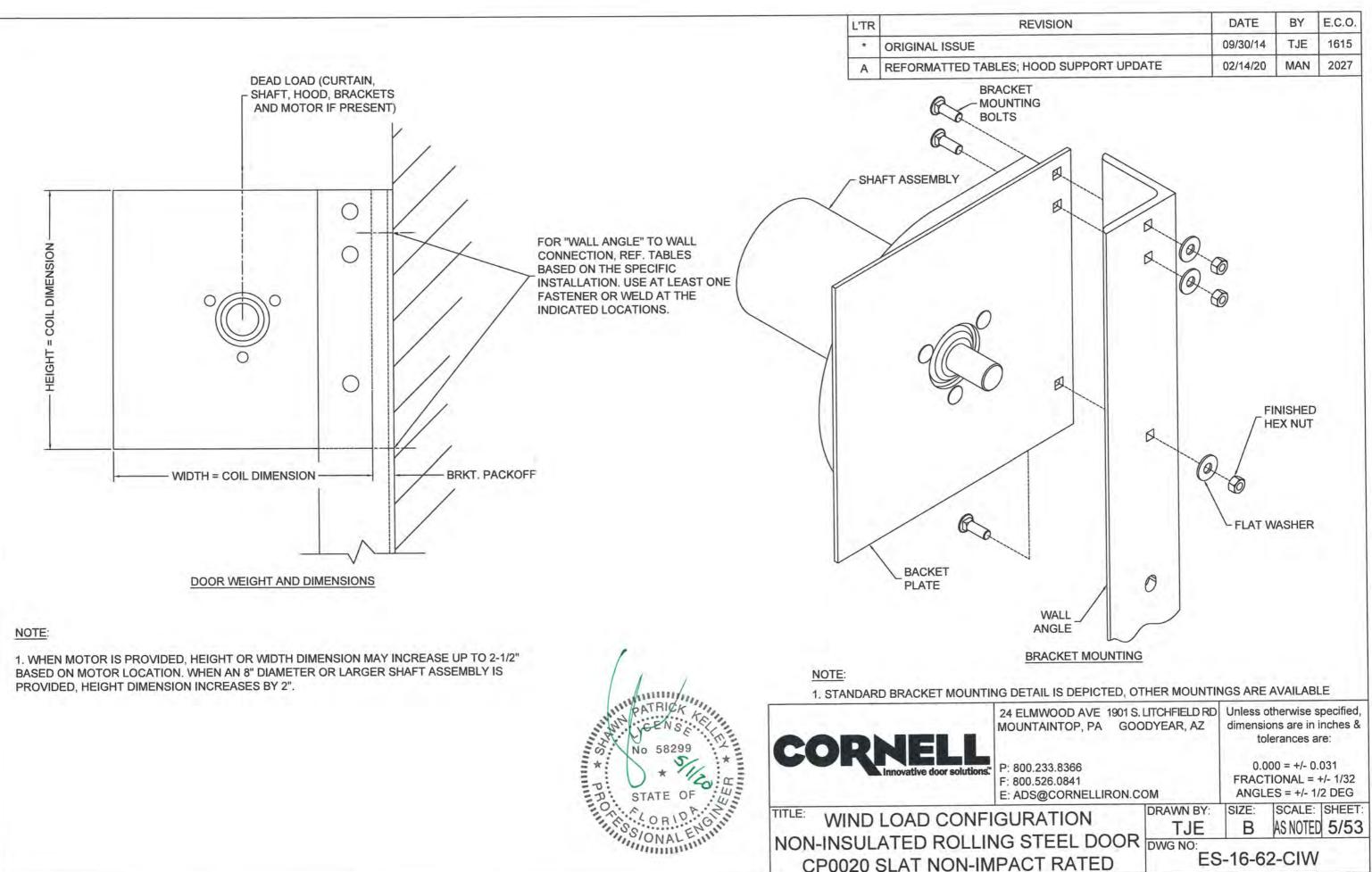
REVISION	DATE	BY	E.C.O.
	09/30/14	TJE	1615
HOOD SUPPORT UPDATE	02/14/20	MAN	2027

(7) SCALE: 3" = 1'-0"

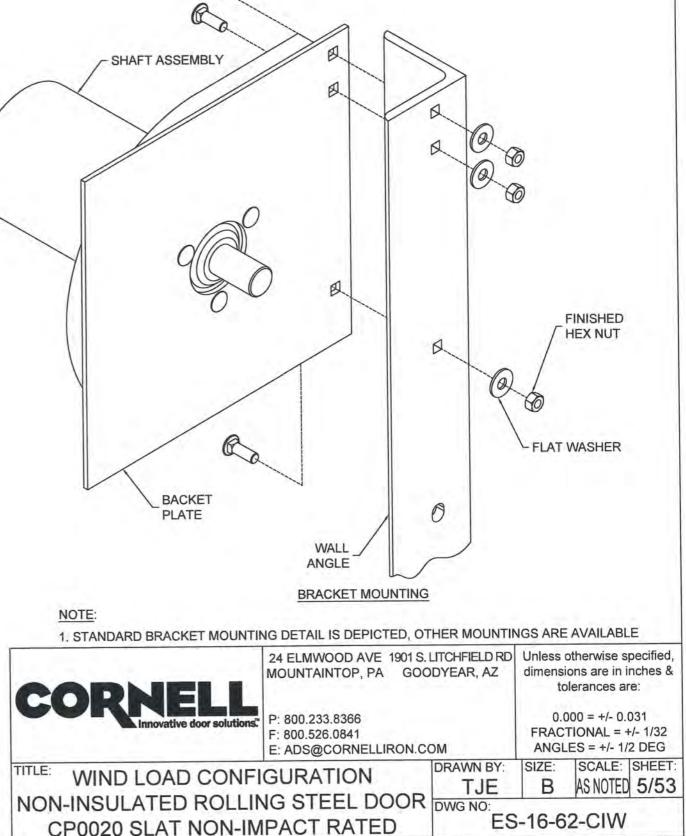
ELMWOOD AVE 1901 S. JNTAINTOP, PA GOO		dimensi	otherwise specified, ions are in inches & olerances are:
00.233.8366 00.526.0841 .DS@CORNELLIRON.C0	OM	FRAC	000 = +/- 0.031 TIONAL = +/- 1/32 _ES = +/- 1/2 DEG
RATION	DRAWN BY: TJE	SIZE:	SCALE: SHEET: AS NOTED 3/53
STEEL DOOR		-16-6	2-CIW



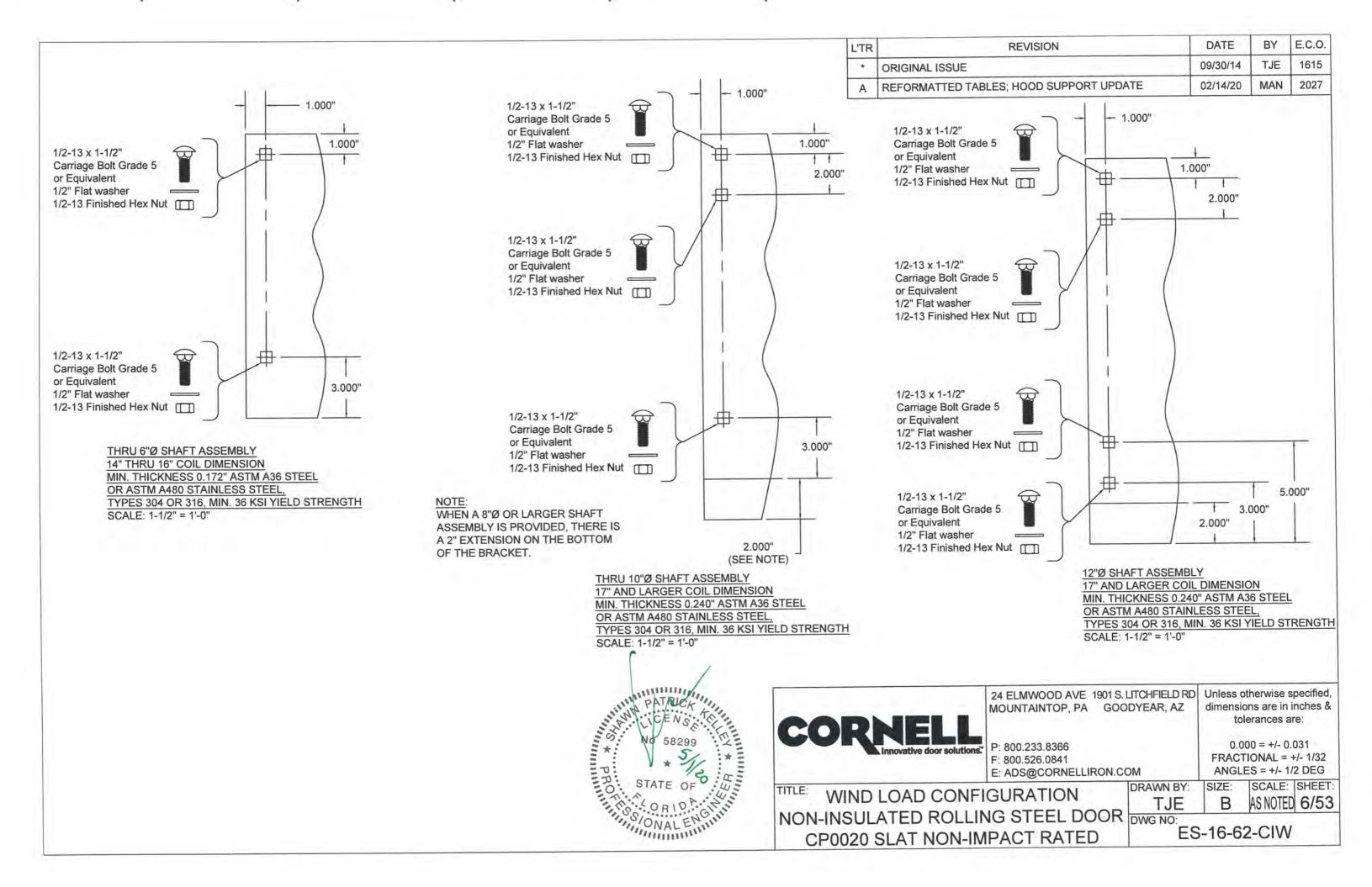


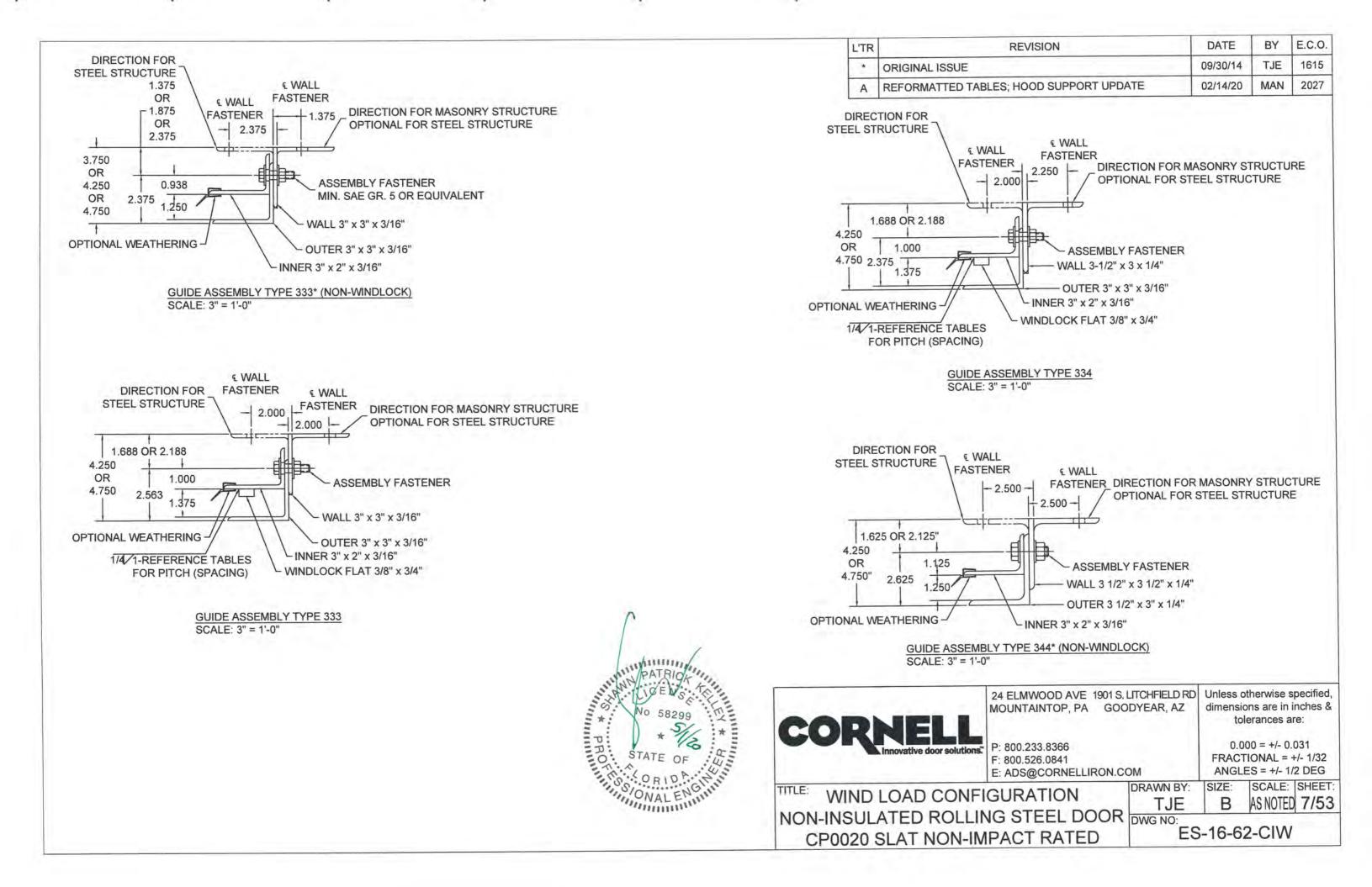


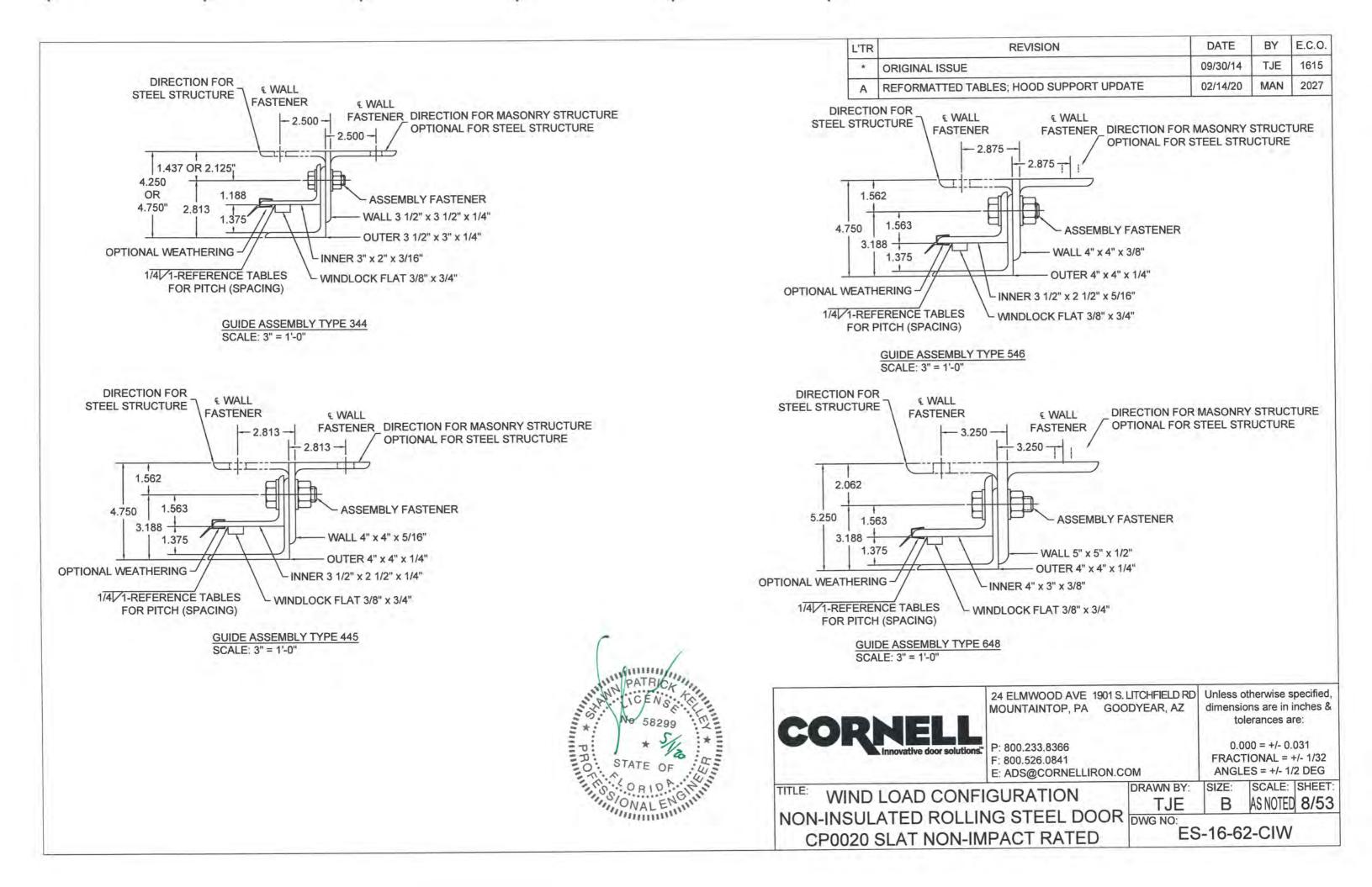


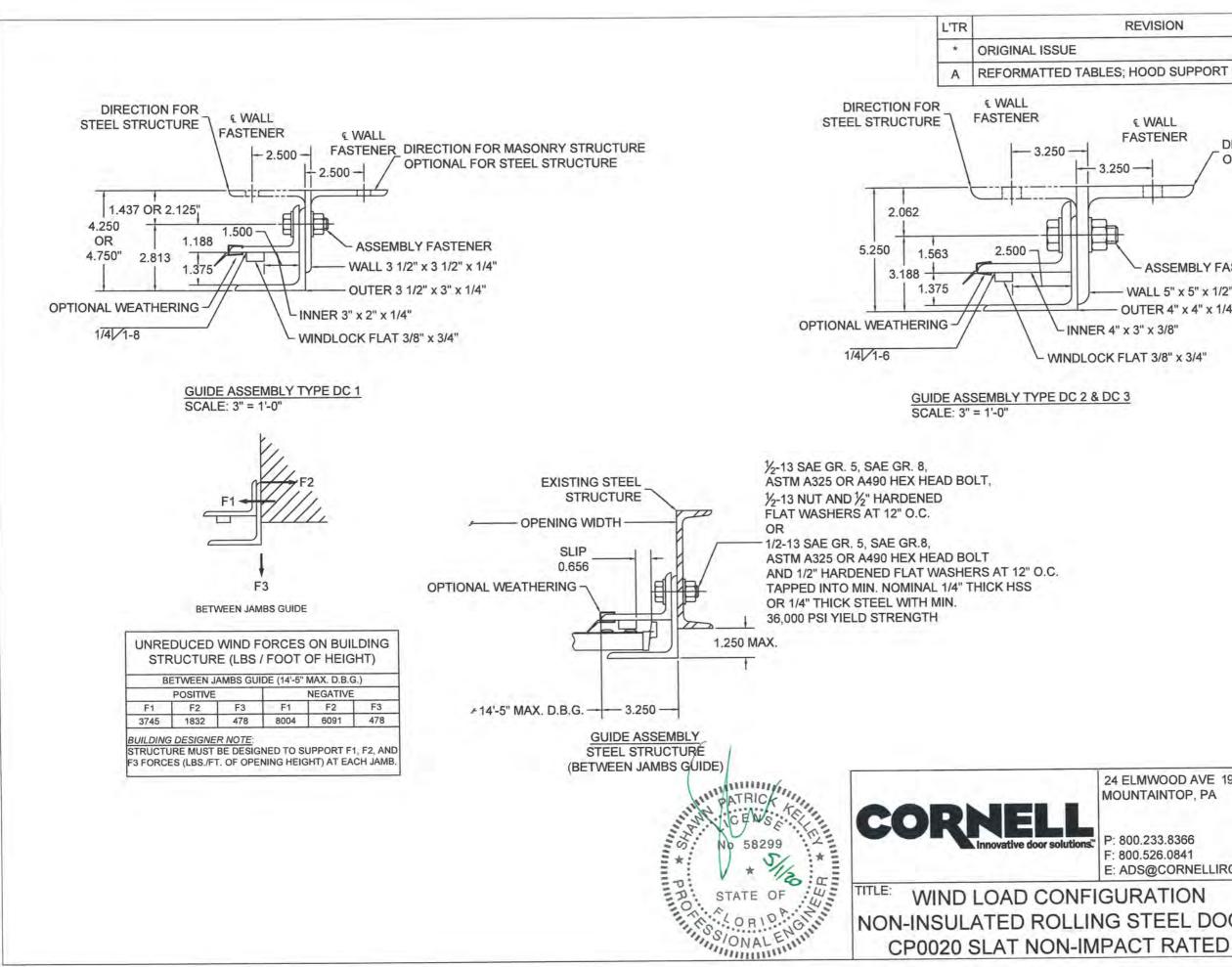


REVISION	DATE	BY	E.C.O.
	09/30/14	TJE	1615
; HOOD SUPPORT UPDATE	02/14/20	MAN	2027









REVISION	DATE	BY	E.C.O.
	09/30/14	TJE	1615
HOOD SUPPORT UPDATE	02/14/20	MAN	2027

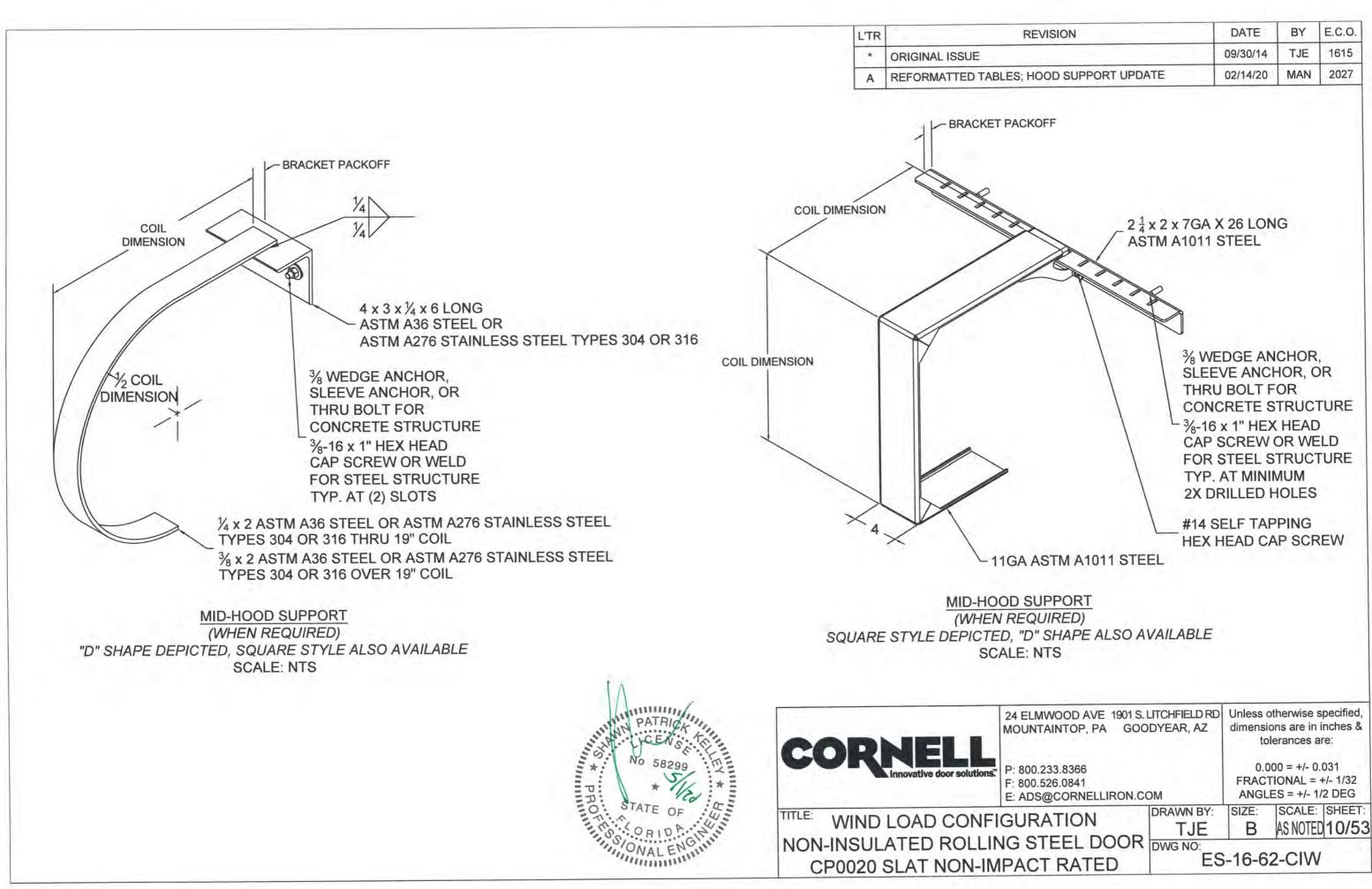
€ WALL FASTENER

DIRECTION FOR MASONRY STRUCTURE OPTIONAL FOR STEEL STRUCTURE

ASSEMBLY FASTENER

WALL 5" x 5" x 1/2" - OUTER 4" x 4" x 1/4"

ELMWOOD AVE 1901 S. JNTAINTOP, PA GOO		dimensi	otherwise specified, ions are in inches & olerances are:
00.233.8366 00.526.0841 \DS@CORNELLIRON.CO	OM	FRAC	000 = +/- 0.031 TIONAL = +/- 1/32 .ES = +/- 1/2 DEG
IRATION	DRAWN BY:	SIZE:	SCALE: SHEET: AS NOTED 9/53
STEEL DOOR	DWG NO: ES	-16-6	2-CIW



REVISION	DATE	BY	E.C.O.
	09/30/14	TJE	1615
; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

															TR				REV	/ISION				DATE	BY	E.C.C
														F	* 0	RIGIN	AL ISSU	JE						10/16/14	TJE	1615
															A F	REFORM	MATTE	D TABLE	ES; HO	OD SU	PPORT	UPDAT	E	02/14/20	MAN	2027
																					-					
							600000	0.0330 Min	imum This	kness Galva	nized or St	ainless Ste	el - 20 PSF													
1 1	- 1		1				CP0020 -	0.0220 Will		Concret	e Minimum	3,000 PSI 0	Compressive	Strength (	Anchors are	e the same d	diameter as	assembly fas	teners)			100				
BG Windlock		-	Guide	Windlock				Hilti Kwi			-	Simpson	Wedge All			-	d Tru-Bolt Min. Wall		12-12-22		edge-Bolt Min. Wall	Edge Dist				
p 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	THICK.	Edge Dist		-	Thick.	Euße Dist		Embed	Thick.	Edge Dist 4 9/16				
"-5" N/A	N/A	N/A	333*	N/A	3/8	24	36	2 3/8	4	4 9/16 5 3/4	36 28	2 5/8	3 15/16 3 15/16	4 9/16 5 3/4	36 28	3	4 1/2	4 9/16 5 3/4	36	2	3	5 3/4				
'-5" N/A 2'-5" 1 5/16	N/A 0.532	N/A CP1151	344* 333	N/A 12	3/8	24 18	36 36	2 3/8	4	5 3/4	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 5 3/16				
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 6 3/4	5 3/16 5 3/4	14 26	3 4 1/8	4 1/2 6 3/16	5 3/16 5 3/4	8	2 2 1/2	3 3/4	5 3/4				
3'-5" 1 7/16 4'-5" 1 1/2	0.657	CP1151 CP1151	344 333	12	1/2 3/8	18 18	36	2 1/4	4	5 3/4 5 3/16	33	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 3/16				
5'-5" 1 1/2	0.719	CP1151	333	12	3/8	18		N/		5 2/4	10	2 5/8	3 15/16	5 3/16 5 3/4	10	3 4 1/8	4 1/2 6 3/16	5 3/16 5 3/4	6 10	2 2 1/2	3 3/4	5 3/4				
5'-5" 1 1/2	0.719	CP1151 CP1151	344 334	12	1/2 3/8	18	36	3 5/8 N	6 /A	5 3/4	23 9	4 1/2 2 5/8	6 3/4 3 15/16	5 7/16	9	3	4 1/2	5 7/16	5	2	3	5 7/16				
5'-5" 1 1/2 5'-5" 1 1/2	0.719	CP1151 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			/A		8	2 5/8	3 15/16		8	3 4 1/8	4 1/2 6 3/16	5 7/16 5 3/4	5	2 2 1/2	3 3/4	5 7/16 5 3/4				
7'-5" 1 1/2	0.719	CP1151	344	12	1/2 3/8	18	36	3 5/8 N	6 /A	5 3/4	17	4 1/2	6 3/4 3 15/16	5 3/4 5 7/16	14	4 1/8	4 1/2	5 7/16	4	2 1/2	3 3/4	5 7/16				
B'-5" 1 1/2 B'-5" 1 1/2	0.719	CP1151 CP1151	334 344	11	1/2	13	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				
9'-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 5 3/4				
'-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 3 15/16	5 3/4 5 7/16	11	4 1/8	6 3/16 N/A	5 3/4	6	2 1/2	3 3/4	5 7/16				
0'-5" 1 1/2	0.656	CP1152	334 344	10	3/8	10	36	3 5/8	/A 8	5 3/4	5	4 1/2	6 3/4	5 3/4	10	4 1/8	1	5 3/4	8	3 1/2	5 1/4	5 3/4				
0'-5" 1 1/2 1'-5" 1 1/2	0.656	CP1152 CP1152	334	9	3/8	9	50		/A	1	5	2 5/8	3 15/16	5 7/16			N/A		6	3 1/2	5 1/4	5 7/16				
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	-	7	3 1/2	5 1/4	5 3/4 6 1/4				
2'-5" 2	1.156	CP1152	444	10	5/8	18	36	4 3/8	6	6 1/4 6 1/4	17	4 1/2	6 3/4 6 3/4	6 1/4 6 1/4	15	5 1/8 5 1/8	7 11/16		10	4	6	6 1/4				
3'-5" 2 4'-5" 2	1.156	CP1152 CP1152	444	10	5/8	18	36	4 3/8 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	1			
5'-5" 2	1.156	CP1152	445	9	5/8	18	36	4 3/8	6	7 5/16	16	4 1/2	6 3/4	7 5/16	15	7 1/2		-	11	4	6	7 5/16				
6'-5" 2	1.156	CP1152	445	9	5/8	18	28	4 3/8	6	6 13/16		4 1/2	6 3/4	6 13/16 6 13/16		7 1/2	-	-	10	4	6	6 13/16				
7'-5" 2	1.156	CP1152 CP1152	445	9	5/8	18	36	4 3/8	8	6 13/16 6 13/16	14	4 1/2	6 3/4 6 3/4	6 13/16	12	7 1/2	-		8	4	6	6 13/16	1			
8'-5" 2 9'-5" 2	1.156	CP1152 CP1152	445	8	5/8	18	28	4 3/8	8	6 13/16		4 1/2	6 3/4	6 13/16	11	7 1/2			8	4	6	6 13/16				
0'-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 N/A	6 13/16	8	4	6	6 13/16 6 13/16				
1'-5" 2	1.156	CP1152 & CP1153	445	8	5/8	18	-		1/A 1/A		11	4 1/2	6 3/4 6 3/4	6 13/16			N/A		9	5	7 1/2		1			
2'-5" 2 3'-5" 2	1.156	CP1152 & CP1153 CP1152 & CP1153	445	8	5/8 5/8	18	-		V/A		10	4 1/2	6 3/4	6 13/16	-		N/A		9	5	7 1/2	6 13/16				
4'-5" 2	1.156	CP1152 & CP1153	546	7	5/8	18		M	N/A		10	4 1/2	6 3/4	6 7/8			N/A		9	5	7 1/2		-			
5'-5" 2	1.156	CP1152 & CP1153	546	7	5/8	18			N/A		10	4 1/2	6 3/4 6 3/4	6 7/8 6 7/8	-		N/A N/A		8	5	7 1/2		1			
6'-5" 2	1.156	CP1152 & CP1153 CP1152 & CP1153	546 546	7	5/8	18			N/A N/A		9	4 1/2	6 3/4	6 7/8			N/A		8	5	7 1/2	6 7/8	1			
7'-5" 2 8'-5" 2	1.156	CP1152 & CP1153 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	-			
19'-5" 2	1.156	CP1152 & CP1153	546	6	5/8	17			N/A		8	4 1/2	6 3/4	6 7/8	-		N/A N/A		-		N/A N/A	-	-			
	1.156	CP1152 & CP1153	546	6	5/8	16	-	1	N/A		8	4 1/2	6 3/4	6 7/8			IN/A						-			



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\* ORIGINAL ISSUE

A REFORMATTED TABLES;

1														CP002	20 - 0.0220	Minimum 1	Thickness Ga	Ivanized o	or Stainless	Steel - 20 P	SF, Cont.																
1						Filled CM	IU									с	racked Conc	rete Minin	num 3,000	PSI Compre	ssive Streng	gth					Steel (W	all anchors are fi	the same of asteners)		assembly	Superimposed Loads					
DBG		Hilti Kw	vik Bolt 3			Simpson	Strong-Bolt	2	т	hrough Bol	t		н	ilti Kwik Bolt	TZ			Simpson Strong-Bolt 2 ITW Redhead Trubolt+						w	elded	Through Bolt	Та	pped									
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		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		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	145 155		
15'-5"	11	3/4	4 3/8	5 3/16	8	3/4	5 1/4	5 3/16	10	3/8	5 3/16	22 3/4	1/2	3 5/8	8	5 3/16	36	3/4	4 1/8	6 3/4	5 3/16	36	3/4	4 3/8	7	5 3/16	25	7/16 x 5/8	25	16	3/16	548	155	541	-		
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 4 3/8	8	5 3/4 5 7/16	36	9/16 x 3/4 7/16 x 5/8	36	25	1/4 3/16	549 640	155	541 633	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		7	5 3/4	21 36	9/16 x 3/4	21 36	21	1/4	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 3/4	4 3/8 4 3/8	8	5 7/16	19	7/16 x 5/8	19	12	3/16	730	175	724	176		
17'-5"	9	3/4	4 3/8	5 7/16	-	-	N/A	1 5 2/4	8	3/8	5 7/16	36	3/4	5 9/16	8	5 7/16	36	3/4 3/4	5 3/4 4 1/8	8 3/4 6 3/4	5 7/16 5 3/4	28 1/2	3/4	4 3/8	7	5 3/4	34	9/16 x 3/4	34	12	1/4	731	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	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" 18'-5"	8	3/4	4 3/8	5 7/16			N/A N/A		7	3/8	5 7/16 5 3/4	28 1/2 36	3/4	5 9/16 5 9/16	8	5 7/16 5 3/4	36 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"	9		4 3/8 /A	5 3/4			N/A N/A		6	3/8	5 7/16	30	5/4	N/A	0	5 5/4	30	3/4	N/A	0 3/4	5 5/4	20 1/2	5/4	N/A		5 5/4	14	7/16 x 5/8	14	9	3/16	958	196	952	196		
19'-5"			/A		-		N/A		13	1/2	5 3/4	22 3/4	3/4		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"			/A		-		N/A		5	3/8	5 7/16	22 5/4	3/4	N/A		1 3 3/4	50	5/1	N/A	1	1			N/A			13	7/16 x 5/8	13	8	3/16	1052	206	1045	207		
20'-5"			/A		-		N/A		12	1/2	5 3/4			N/A					N/A					N/A			23	9/16 x 3/4	23	13	1/4	1053	206	1045	207		
21'-5"			/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"			/A			_	N/A		11	1/2	5 3/4			N/A		-			N/A		-			N/A			22	9/16 x 3/4	22	12	1/4	1147	217	1140	217		
22'-5"		N	/A				N/A		17	5/8	6 1/4	22 3/4	3/4	5 9/16	8	6 1/4	19	5/8	5 1/8	7 7/8	6 1/4	28 1/2	5/8	4 3/4	6 1/4	6 1/4	36	11/16 x 7/8	36	24	5/16	912	225	907	225		
23'-5"	1	N	/A				N/A		16	5/8	6 1/4			N/A					N/A	Sec. 1	-			N/A			36	11/16 x 7/8	36	22	5/16	986	235	981	235		
24'-5"		N	/A				N/A	-	15	5/8	6 1/4			N/A					N/A	1			_	N/A			36	11/16 x 7/8	36	21	5/16	1060	245	1055	246		
25'-5"		N	/A	-			N/A		16	5/8	7 5/16	22 3/4	3/4	5 9/16	8	7 5/16	36	3/4	5 3/4	8 3/4	7 5/16			N/A			36	11/16 x 7/8	36	24	5/16	1136	255	1130	256		
26'-5"		N	/A				N/A		15	5/8	6 13/16			N/A	1		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"		N	/A				N/A		14	5/8	6 13/16			N/A				-	N/A				_	N/A			36	11/16 x 7/8	36	21	5/16	1288	275	1283	276		
28'-5"		N	/A				N/A		13	5/8	6 13/16			N/A			-		N/A					N/A			36	11/16 x 7/8	36	20	5/16	1366	286	1360	286		
29'-5"		N	/A				N/A		13	5/8	6 13/16			N/A					N/A					N/A			34	11/16 x 7/8	34	18	5/16	1445	296	1439	297		
30'-5"		N	/A				N/A		12	5/8	6 13/16			N/A					N/A			-		N/A			32	11/16 x 7/8		17	5/16	1524		1519	307		
31'-5"		N	/A	-			N/A		11	5/8	6 13/16			N/A					N/A				_	N/A			30	11/16 x 7/8		17	5/16	1605	317	1599	317		
32'-5"		N	I/A				N/A		11	5/8	6 13/16			N/A					N/A				_	N/A	-		29	11/16 x 7/8		16	5/16	1686	327	1680	328		
33'-5"		N	I/A		1		N/A		10	5/8	6 13/16	1	_	N/A					N/A			-		N/A			27	11/16 x 7/8		15	5/16	1769		1763	338		
34'-5"			I/A		-		N/A		10	5/8	6 7/8			N/A		-			N/A	_		-		N/A	_		25	11/16 x 7/8		14	5/16	1852		1846	348		
35'-5"			I/A				N/A		10	5/8	6 7/8			N/A	-				N/A		_	-		N/A			24	11/16 x 7/8		13	5/16	1937		1931	359		
36'-5"	-		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	2022		2016	369 380		
37'-5"			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	2109		2102	380		
38'-5"	-		I/A		-	-	N/A		8	5/8	6 7/8			N/A	-		-		N/A			-		N/A			21	11/16 x 7/8	21	11	5/16	2196		2190	401		
39'-5"			I/A		-		N/A		8	5/8	6 7/8	-		N/A	-				N/A			-		N/A	-			-	20	11	5/16			2368	401		
40'-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	23/4	410	2308	411		





NON-INSULATED ROLLING

REVISION	DATE	BY	E.C.O.
	10/15/14	TJE	1615
; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

ELMWOOD AVE 1901 S. JNTAINTOP, PA GOO		dimens	otherwise specified, ions are in inches & blerances are:
00.233.8366 00.526.0841 \DS@CORNELLIRON.CO	MC	FRAC	000 = +/- 0.031 TIONAL = +/- 1/32 _ES = +/- 1/2 DEG
	DRAWN BY: TJE	SIZE: B	SCALE: SHEET: AS NOTED 12/53
STEEL DOOR		-16-6	2-CIW

				_											L'TR				RE	EVISION	N			DATE	BY	E.C.O
															*	ORIGIN	AL ISS	SUE						10/16/14	TJE	1615
															A	REFOR	MATT	ED TAB	LES; H	OOD S	UPPOR	T UPDAT	E	02/14/20	MAN	2027
								CP0020 - 0.0220 I	Ainimum T	hickness Gal	vanized or S	tainless Ster	el - 30 PSF													
		1					_			Concre	ete Minimum	3,000 PSI 0	Compressive	e Strength (A	Anchors ar	e the same d		assembly fa	steners)			-				
DBG	Windlock		Sec. 4	Guide	Windlock		Assembly	Hilti	wik Bolt 3		-	Simpson	Wedge All			Red Head	Tru-Bolt Min. Wall	1		1	Min. Wall					
Јр То	Flat Location	Slip	Windlock	Assembly	Weld Pitch	Fastener Diameter	Fastener Spacing	Max O.C. Embed	Min. W Thick		Max O.C.	Embed	Min. Wall Thick.	Euge Dist	The second	-	Thick.	Euge Dist	Max O.C.	Embed	Thick.	Luge Dist				
6'-5"	N/A	N/A	N/A	333*	N/A	3/8	24	36 2 3/8		4 9/16		2 5/8 2 5/8	3 15/16 3 15/16	4 9/16 5 3/4	36	3	4 1/2 4 1/2	4 9/16 5 3/4	30	2	3	4 9/16 5 3/4				
2'-5"	N/A	N/A 0.532	N/A CP1151	344* 334	N/A 12	3/8	24 16	36 2 3/8	4 N/A	5 3/4	21	2 5/8	3 15/16	5 7/16	9	3	4 1/2	5 7/16	5	2	3	5 7/16				
2'-5"	1 5/16	0.532	CP1151	344	12	1/2	18	36 3 5/8		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				
3'-5"	1 7/16	0.657	CP1151	334	12	3/8	14		N/A	1 5 3/4	8	2 5/8	3 15/16	5 7/16	8	3 4 1/8	4 1/2 6 3/16	5 7/16 5 3/4	5	2 2 1/2	3 3/4	5 7/16				
3'-5"	1 7/16	0.657	CP1151	344	12	1/2 3/8	18 13	36 3 5/8	6 N/A	5 3/4	18	4 1/2 2 5/8	6 3/4 3 15/16	5 3/4 5 7/16	7	3	4 1/2	5 7/16	4	2	3	5 7/16				
1'-5" 1'-5"	1 1/2	0.719	CP1151 CP1151	334 344	11	1/2	18	36 3 5/8		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				
5'-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 3 3/4	5 7/16				
-5"	1 1/2	0.656	CP1152	344	10	1/2	18	28 3 5/8	6 N/A	5 3/4	13	4 1/2	6 3/4 3 15/16	5 3/4 5 7/16	11	4 1/8 N	6 3/16 /A	5 5/4	6	3 1/2	5 1/4	5 7/16				
5'-5" 5'-5"	1 1/2	0.656	CP1152 CP1152	334 344	9	3/8	10 18	28 3 5/8	-	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				
7'-5"	2	1.219	CP1152	444	11	5/8	18	36 4 3/8	_	6 1/4	18	4 1/2	6 3/4	6 1/4	15	5 1/8	7 11/16	-	7	3	4 1/2	6 1/4 6 1/4				
8'-5"	2	1.156	CP1152	444	10	5/8	18	28 4 3/8	_	_	16	4 1/2	6 3/4 6 3/4	6 1/4 6 1/4	14	5 1/8 5 1/8	7 11/16		10	4	6	6 1/4				
9'-5" 0'-5"	2	1.156	CP1152 CP1152	444	9	5/8	18	36 4 3/8 28 4 3/8		6 1/4 6 13/16	14	4 1/2	6 3/4	6 13/16	12	7 1/2	11 1/4	6 13/16	10	4	6	6 13/16				
1'-5"	2	1.156	CP1152	445	9	5/8	18	36 4 3/8	_			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				
2'-5"	2	1.156	CP1152	445	8	5/8	18	36 4 3/8	_			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 6 13/16				
3'-5"	2	1.156	CP1152 & CP1153	445	8	5/8	18 18	22 4 3/8	N/A 8	6 13/16	12	4 1/2	6 3/4 6 3/4	6 13/16 6 13/16	-		I/A I/A	-	10	5	7 1/2	6 13/16				
24'-5" 25'-5"	2	1.156	CP1152 & CP1153 CP1152 & CP1153	445	8	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			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 3/4	6 7/8 6 7/8	-		1/A 1/A		8	5	7 1/2	6 7/8				
28'-5" 29'-5"	2	1.156	CP1152 & CP1153 CP1152 & CP1153		7	5/8	18		N/A 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	-	6	5/8	16		N/A		8	4 1/2	6 3/4	6 7/8			I/A				N/A					
31'-5"	2	1.156	CP1152 & CP1153		6	5/8	15		N/A		7	4 1/2	6 3/4	6 7/8 6 7/8	-		1/A 1/A		-		N/A N/A					
32'-5"	2	1.156	CP1152 & CP1153 CP1152 & CP1153	-	6	5/8	15		N/A N/A		7	4 1/2	6 3/4 6 3/4	6 7/8			N/A				N/A					
33'-5" 34'-5"	2 2 1/2	1.156	CP1152 & CP1153	-	6	3/4	14		N/A		10	5	7 1/2	7 1/2	11	6 5/8	9 15/16			-	N/A					
35'-5"	2 1/2		CP1152 & CP1153	648	6	3/4	18		N/A		9	5	7 1/2	7 1/2	10	6 5/8	9 15/16		-		N/A N/A					
86'-5"	2 1/2	_	CP1152 & CP1153		6	3/4	18 18		N/A N/A		9	5	7 1/2	7 1/2	10	6 5/8 6 5/8	9 15/16	_			N/A					
37'-5" 38'-5"	2 1/2 2 1/2		CP1152 & CP1153 CP1152 & CP1153	_	6	3/4	18		N/A		8	5	7 1/2	7 1/2	8	6 5/8	9 15/16	7 1/2			N/A					
39'-5"	2 1/2		CP1152 & CP1153		6	3/4	18		N/A		8	5	7 1/2	7 1/2	7	6 5/8	9 15/16		-		N/A N/A					
10'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	Cub	N/A	111	7	5	7 1/2	7 1/2	6	6 5/8	9 15/16	5 7 1/2								
								HALL BROT	*	10K 4.65 299 OF	ANTEX * HA		C	0		Innovativ			MOUN P: 800 F: 800	0.233.83 0.526.08	OP, PA 366 341		TCHFIELD RD YEAR, AZ	dimensio tol 0.0 FRACT	therwise ons are in erances a 00 = +/- 0 10NAL = ES = +/- 1	n inche are: 0.031 : +/- 1/
								THE SIC	NAL	ENGIN	in the second		TITLE:	VVI		LOA			GUF	RATI	ON	C	TJE	SIZE:	SCALE: AS NOTE	: SHE
									mm	11.			NON	V-INS	SUL	ATE	) KC	ILLI	NG S	IEE	LDC	JOK	WG NO:		0.00	
													(	POO	20 5	SLAT	NO	N-IM	PAC	TR	ATE	D	E	S-16-62	2-CIV	1

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\* ORIGINAL ISSUE
A REFORMATTED TABLES;

															CP00	20 - 0.022	0 Minimum	Thickness G	alvanized c	or Stainless	Steel - 30 P	SF, Cont.						1								
1.1						Fille	ed CMU	1.									(	Cracked Con	crete Minin	mum 3,000	PSI Compre	sive Streng	th					Steel (W	all anchors are f	the same of asteners)	diameter as	assembly		Superimpo	sed Loads	
DBG		Hilti Kw	ik Bolt 3			Simp	pson St	trong-Bolt	2	1	Through Bo	lt		Hi	lti Kwik Bolt	TZ			Simp	son Strong	Bolt 2			ITW	Redhead Tr	ubolt+		w	elded	Through Bolt	Тар	ped				
Up To	Max O.C.	Dia.	Embed	Edge Dist	Max	0.C. C	Dia.	Embed	Edge Dist	Max. O.C.	Dia.	Edge	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	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	1	5 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	8		3/8	2 5/8	5 3/4	21	3/8	5 3/4	19	3/8	2 5/16	4	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	3/8	2	5	5 3/4	36	7/16 x 5/8	36	36	3/16	0	98	0	97
12'-5"	10	3/4	4 3/8	5 7/16	8		3/4	5 1/4	5 7/16	9	3/8	5 7/16	36	3/4	5 9/16	8	5 7/16	22 3/4	3/4	4 1/8	6 3/4	5 7/16	28 1/2	3/4	4 3/8	7	5 7/16	21	7/16 x 5/8	21	14	3/16	648	188	635	188
12'-5"	8	3/4	3 1/4	5 3/4	9	-	3/4	5 1/4	5 3/4	20	1/2	5 3/4	28 1/2	1/2	3 5/8	8	5 3/4	36	3/4	4 1/8	6 3/4	5 3/4	36	3/4	4 3/8	7	5 3/4	36	9/16 x 3/4	36	21	1/4	650	188	635	188
13'-5"	9	3/4	4 3/8	5 7/16	-			/A	1 3 5/1	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	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 3/8	5 7/16			N/		1	7	3/8	5 7/16	36	3/4	5 9/16	8	5 7/16	36	3/4	5 3/4	8 3/4	5 7/16	19	3/4	4 3/8	8	5 7/16	17	7/16 x 5/8	17	11	3/16	781	217	772	218
14'-5"	9	3/4	4 3/8	5 3/4	-			/A		16	1/2	5 3/4	36	3/4	5 9/16	8	5 3/4	36	3/4	5 3/4	8 3/4	5 3/4	36	3/4	4 3/8	8	5 3/4	31	9/16 x 3/4	31	17	1/4	783	218	772	218
15'-5"		N		1 3 3/4				/A		6	3/8	5 7/16			N/A	-				N/A					N/A			14	7/16 x 5/8	14	9	3/16	962	233	953	234
15'-5"		N			1			/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			-		N			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		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	-			/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"	-	5/4 N		0 1/4				/A		16	5/8	6 1/4		-1.	N/A		1			N/A	-				N/A			36	11/16 x 7/8	36	22	5/16	990	276	983	277
19'-5"		N			-		N/			14	5/8	6 1/4			N/A			-		N/A					N/A			36	11/16 x 7/8	36	20	5/16	1094	292	1086	293
20'-5"		N			-			/A		15	5/8	6 13/16			N/A			36	3/4	5 3/4	8 3/4	6 13/16			N/A		0	36	11/16 x 7/8	36	22	5/16	1198	307	1190	308
21'-5"			/A		-			/A		14	5/8	6 13/16			N/A			-		N/A					N/A			36	11/16 x 7/8	36	20	5/16	1303	322	1296	323
22'-5"			/A		-			/A		13	5/8	6 13/16			N/A			-		N/A					N/A		-	35	11/16 x 7/8	35	19	5/16	1409	337	1402	338
23'-5"			/A		-			/A		12	5/8	6 13/16			N/A					N/A					N/A			32	11/16 x 7/8	32	18	5/16	1517	353	1509	354
24'-5"		N			-			/A		11	5/8	6 13/16			N/A	-				N/A	-				N/A		-	30	11/16 x 7/8	30	16	5/16	1625	368	1617	369
25'-5"	-		/A		-			/A		10	5/8	6 13/16			N/A					N/A					N/A			28	11/16 x 7/8	28	15	5/16	1735	383	1727	384
26'-5"			/A		-			/A		10	5/8	6 7/8	-		N/A					N/A					N/A			25	11/16 x 7/8	25	14	5/16	1847	399	1839	400
27'-5"			/A		-			/A		9	5/8	6 7/8		-	N/A					N/A	-				N/A			23	11/16 x 7/8	23	13	5/16	1960	414	1952	415
28'-5"			/A		-			1/A		9	5/8	6 7/8			N/A			-		N/A					N/A			22	11/16 x 7/8	22	12	5/16	2075	430	2066	431
29'-5"			/A		-			/A		8	5/8	6 7/8			N/A					N/A				-	N/A	1		21	11/16 x 7/8	21	11	5/16	2191	445	2182	446
30'-5"			/A		-			1/A		8	5/8	6 7/8			N/A					N/A					N/A			20	11/16 x 7/8	20	11	5/16	2308	461	2300	462
31'-5"			/A /A		-	-		1/A		7	5/8	6 7/8			N/A					N/A	-				N/A			19	11/16 x 7/8	19	10	5/16	2428	477	2419	478
31-5			/A /A		-			1/A		7	5/8	6 7/8			N/A					N/A					N/A		1	18	11/16 x 7/8	18	10	5/16	2549	492	2540	493
32-5			/A /A		-			1/A		7	5/8	6 7/8			N/A				-	N/A					N/A			17	11/16 x 7/8	17	9	5/16	2671	508	2662	509
34'-5"			/A /A		-			1/A		10	3/4	7 1/2			N/A					N/A					N/A			36	13/16 x 1	36	20	3/8	2323	520	2315	520
34 -5			/A /A		-			1/A		9	3/4	7 1/2			N/A					N/A					N/A			36	13/16 x 1	36	19	3/8	2428	535	2421	536
35-5	-		/A /A		-			I/A		9	3/4	7 1/2			N/A					N/A	-				N/A			35	13/16 x 1	35	19	3/8	2535	551	2527	551
30-5	-		/A /A		-			I/A		8	3/4	7 1/2			N/A			-		N/A	-				N/A			33	13/16 x 1	33	18	3/8	2643	566	2635	567
37-5			/A /A		-			I/A		8	3/4	7 1/2			N/A			1		N/A					N/A			32	13/16 x 1	32	17	3/8	2752	582	2744	583
38'-5"	-		/A /A		-			I/A		8	3/4	7 1/2	-		N/A					N/A					N/A			31	13/16 x 1	31	16	3/8	2862	598	2854	598
40'-5"			/A /A		-			1/A		7	3/4	7 1/2			N/A					N/A					N/A			29	13/16 x 1	29	16	3/8	2974	614	2966	614





NON-INSULATED ROLLING S CP0020 SLAT NON-IMPAC

		-
DATE	BY	E.C.O.
10/16/14	TJE	1615
02/14/20	MAN	2027
	10/16/14	10/16/14 TJE

ELMWOOD AVE 1901 S. UNTAINTOP, PA GOO		dimensi	otherwise s ons are in i lerances ar	nches &
800.233.8366 800.526.0841 ADS@CORNELLIRON.CO	DM	FRAC	000 = +/- 0.0 TIONAL = + .ES = +/- 1/2	-/- 1/32
DATION	DRAWN BY:	SIZE:	SCALE:	SHEET:
JRATION	TJE	B	AS NOTED	14/53
STEEL DOOR	DIAC NO:		TOTOTED	1 11 00
		16 6	2-CIW	
ACT RATED	ES	-10-0	2-0100	

 L'TR
 F

 \*
 ORIGINAL ISSUE

 A
 REFORMATTED TABLES;

								CP0020 -	0.0220 Mi	inimum Thio				compressive	Ctrongth /	Anchorr are	the came d	iameter ac	scombly fa	steners)			
_			1				1				Concret	e Minimum			e Strength (/	Anchors are			assembly ra	stellers	Powers W	Vedge-Bolt	-
DBG	Windlock	100.0	and a start of the	Guide	Windlock	Assembly	Assembly		Hilti Kw	vik Bolt 3		-	Simpson	Wedge All	-		Red Head	Tru-Bolt	_		FUWEIS	Min. Wall	-
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	1	Embed	Min. Wall Thick.	Edge Dist		Embed	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	36	2 1/2	3 3/4	4 9/16
5'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	19	2 5/8	3 15/16	5 3/4	19	3	4 1/2	5 3/4	15	2	3	5 3/4
12'-5"	1 3/8	0.531	CP1152	334	10	3/8	11		N	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
12'-5"	1 3/8	0.531	CP1152	344	10	1/2	18	28	3 5/8	6	5 3/4	13	4 1/2	6 3/4	5 3/4	11	4 1/8	6 3/16	5 3/4	6	2 1/2	3 3/4	5 3/4
13'-5"	1 1/2	0.656	CP1152	334	10	3/8	10		N	N/A		6	2 5/8	3 15/16	5 7/16	6	3	4 1/2	5 7/16	4	2 1/2	3 3/4	5 7/16
13'-5"	1 1/2	0.656	CP1152	344	10	1/2	18	19	3 5/8	6	5 3/4	12	4 1/2	6 3/4	5 3/4	10	4 1/8	6 3/16	5 3/4	8	3 1/2	5 1/4	5 3/4
14'-5"	1 5/8	0.781	CP1152	444	10	5/8	18	22	4 3/8	6	6 1/4	15	4 1/2	6 3/4	6 1/4	13	5 1/8	7 11/16	6 1/4	9	4	6	6 1/4
15'-5"	1 7/8	1.031	CP1152	444	10	5/8	18	22	4 3/8	6	6 1/4	15	4 1/2	6 3/4	6 1/4	13	5 1/8	7 11/16	6 1/4	9	4	6	6 1/4
16'-5"	2	1.156	CP1152	445	9	5/8	18	36	4 3/8	6	6 13/16	16	4 1/2	6 3/4	6 13/16	15	7 1/2	11 1/4	6 13/16	10	4	6	6 13/10
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 13/1
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 13/10
20'-5"	2	1.156	CP1152 & CP1153	445	8	5/8	18		1	N/A		11	4 1/2	6 3/4	6 13/16	-	N	I/A		9	5	7 1/2	6 13/1
21'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18		1	N/A		10	4 1/2	6 3/4	6 7/8		N	I/A		9	5	7 1/2	6 7/8
22'-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	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	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	3	8	4 1/2	6 3/4	6 7/8		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		N	A/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/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	1		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		1	N/A	-	9	5	7 1/2	7 1/2	9	6 5/8	9 15/16	7 1/2			N/A	
31'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18			N/A		8	5	7 1/2	7 1/2	8	6 5/8	9 15/16	7 1/2			N/A	
32'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18			N/A		8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2			N/A	





CP0020 SLAT NON-IMPA

ELMWOOD AVE 1901 S. UNTAINTOP, PA GOO	LITCHFIELD RD DYEAR, AZ	dimensi	otherwise specified, ions are in inches & olerances are:
00.233.8366 00.526.0841 ADS@CORNELLIRON.CO	MC	FRAC	000 = +/- 0.031 TIONAL = +/- 1/32 .ES = +/- 1/2 DEG
IRATION	DRAWN BY: TJE	SIZE:	SCALE: SHEET: AS NOTED 15/53
STEEL DOOR		-16-6	2-CIW

	DATE	BY	E.C.O.
REVISION	DATE	DT	E.C.U.
	10/16/14	TJE	1615
HOOD SUPPORT UPDATE	02/14/20	MAN	2027

L'TR \* ORIGINAL ISSUE A REFORMATTED TABLES;

				_			CP0020	- 0.0220 Mini	mum Thickn	iess Galvan	ized or Stall		- 40 PSF, Cont. all anchors are		iameter as	assembly	-		-			
				_	_	Filled	d CMU			_	-			fasteners)				Superimpo	sed Loads			
DBG		Hilti Kv	vik Bolt 3			Simp	oson Strong-Be	olt 2	1	Through Bo		W	/elded	Through Bolt	Тар	ped						
Up To	Max O.C.	Dia.	Embed	Edge Dist	Max O.C.	. 0	Dia. Emb	ed 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/		33	3/8	4 9/16	36	7/16 x 5/8	36	36	3/16 3/16	0	110 110	0	109		
5'-5"	10	3/8	2 1/2	5 3/4	9	1	1/2 3 1/ N/A	2 5 3/4	19	3/8	5 3/4 5 7/16	36	7/16 x 5/8 7/16 x 5/8		36 9	3/16	955	251	940	251		
2'-5" 2'-5"			1/A 1/A			-	N/A		13	1/2	5 3/4	26	9/16 x 3/4		14	1/4	957	251	940	251		
3'-5"			I/A				N/A		6	3/8	5 7/16	13	7/16 x 5/8		9	3/16	1002	270	990	271 271		
3'-5"			N/A				N/A		12	1/2	5 3/4	24	9/16 x 3/4	24 36	13 22	1/4 5/16	1004 1062	271 290	990 1048	291		
4'-5"	-		V/A		-		N/A N/A		15	5/8 5/8	6 1/4 6 1/4	36	11/16 x 7/8		22	5/16	1033	309	1022	310		
5'-5" 6'-5"	-		N/A			-	N/A N/A		15	5/8	6 13/16	36	11/16 x 7/8		24	5/16	1096	328	1086	329		
7'-5"	1		N/A				N/A		14	5/8	6 13/16	36	11/16 x 7/8		22	5/16	1228	349	1218	350		
8'-5"			N/A				N/A		13	5/8	6 13/16	36	11/16 x 7/8	-	20	5/16 5/16	1361 1495	369 389	1351 1485	370 390		
9'-5"			N/A	_			N/A N/A		12	5/8	6 13/16 6 13/16		11/16 x 7/8 11/16 x 7/8	-	16	5/16	1631	409	1621	411		
0'-5"			N/A N/A	-		-	N/A N/A	-	10	5/8	6 7/8	26	11/16 x 7/8		14	5/16	1768	430	1758	431		
2'-5"			N/A				N/A		9	5/8	6 7/8	24	11/16 x 7/8		13	5/16	1907	450	1896	452		
23'-5"			N/A				N/A		9	5/8	6 7/8	22	11/16 x 7/8		12	5/16 5/16	2047 2190	471 492	2037 2180	493		
24'-5"			N/A		-		N/A N/A		8	5/8 5/8	6 7/8 6 7/8	21	11/16 x 7/8 11/16 x 7/8	-	11	5/16	2335	512	2325	514		
25'-5" 26'-5"			N/A N/A		-		N/A		7	5/8	6 7/8	18	11/16 x 7/8		10	5/16	2482	533	2471	534		
27'-5"			N/A	-			N/A		7	5/8	6 7/8	17	11/16 x 7/8		9	5/16	2631	554	2621 2299	555 571		
28'-5"	1		N/A				N/A		9	3/4	7 1/2	36	13/16 x 1 13/16 x 1	36	20	3/8	2309 2438	571	2428	592		
29'-5" 30'-5"	-		N/A N/A		-		N/A N/A		9	3/4	7 1/2	34	13/16 x 1	34	18	3/8	2568	612	2558	613		
31'-5"			N/A				N/A		8	3/4	7 1/2	32	13/16 x 1	32	17	3/8	2701	633	2691	633		
32'-5"			N/A				N/A		8	3/4	7 1/2	31	13/16 x 1	31	17	3/8	2835	653	2825	654		
							AND A CHARTER	No No	RIGK 58299 *		annun an annun an		CC	DF		ovative de	oor soluti	Millions." P	OUNTA 800.23	3.8366	LITCHFIELD RD DDYEAR, AZ	Unless otherwise spe dimensions are in inc tolerances are: 0.000 = +/- 0.03 FRACTIONAL = +/-
							OTHER	STA <sup>×</sup> LO <sup>×</sup> SS/OI	RIDA	GINI	1.		TITLE:					IFIG	URA	CORNELLIRON.C	DRAWN BY:	ANGLES = +/- 1/2 SIZE: SCALE: S B AS NOTED 1
																				EEL DOOR RATED	DWG NO:	6-16-62-CIW



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REVISION	DATE	BY	E.C.O.
	09/30/14	TJE	1615
HOOD SUPPORT UPDATE	02/14/20	MAN	2027

L'TR F \* ORIGINAL ISSUE A REFORMATTED TABLES;

		_					_	CP0020 -	0.0220 Mi	nimum Thi		anized or St			Strength (	Anchors are	the same d	liameter as a	assembly fa	steners)			
		-					Arrenthic	-	Lilti Ku	vik Bolt 3	Concret			Wedge All	e strengtin (		Red Head				Powers W	/edge-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
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 1/0	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	I/A		11	4 1/2	6 3/4	6 13/16		N	I/A		7	4	7 1/2	6 13/16
18'-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	I/A		9	5	7 1/2	6 7/8
19'-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	I/A		8	5	7 1/2	6 7/8
20'-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	I/A		8	5	7 1/2	6 7/8
21'-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	N/A			N	N/A	
22'-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	N/A			N	N/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	N/A			P	N/A	
24'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		P	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		1	N/A	-	9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2		1	N/A	
26'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		P	N/A		8	5	7 1/2	7 1/2	9	6 5/8	9 15/16	7 1/2		1	N/A	
27'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		r	N/A	-	8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2		1	N/A	
28'-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		1	N/A	





NON-INSULATED ROLLING S CP0020 SLAT NON-IMPAC

ELMWOOD AVE 1901 S. UNTAINTOP, PA GOO		dimens	otherwise specified, ions are in inches & blerances are:
300.233.8366 300.526.0841 ADS@CORNELLIRON.CO	MC	FRAC	000 = +/- 0.031 TIONAL = +/- 1/32 LES = +/- 1/2 DEG
JRATION	DRAWN BY: TJE	SIZE: B	SCALE: SHEET: AS NOTED 17/53
STEEL DOOR		-16-6	2-CIW

REVISION	DATE	BY	E.C.O.
	10/16/14	TJE	1615
HOOD SUPPORT UPDATE	02/14/20	MAN	2027

## L'TR

REVISION

BY E.C.O.

DATE

															LIIN				THE 9			BATE	0.	L.0.0
															* 0	RIGINA	AL ISSU	JE				10/16/14	TJE	161
														Ē	AR	EFORM	ATTE	TABL	ES; HO	OD SUPPORT UPD	DATE	02/14/20	MAN	202
-		_			-	Fille	CP0020 - 1	0.0220 Min	imum Thickn	ess Galvar	ized or Stai	-	- 50 PSF, Cont all anchors are	e the same o	diameter as	assembly								
	-	dilti Ku	ik Bolt 3		[		pson Strong-Bolt	2	1	hrough Bo	lt.		/elded	fasteners) Through	Tar	ped		Superimp	osed Loads					
DBG Jp To	I	Dia.	Embed	Edge Dist	Max O.C.	1	Dia. Embed	1	Max. O.C.	Dia.	Edge	Max O.C.	Slot Size	Bolt Max O.C.		Min.	Vx (+)	Vy (+)	Vx (-)	Vy (-)				
4'-5"	18	3/8	2 1/2	4 9/16	13	3	3/8 2 5/8	4 9/16	1. A.A	3/8	Distance 4 9/16	36	7/16 x 5/8	36	36	Thickness 3/16	0	112	0	111				
1'-5" 2'-5"	10	3/8 N	2 1/2 /A	5 3/4	9	1 1	1/2 3 1/2 N/A	5 3/4	18 15	3/8 5/8	5 3/4 6 13/16	36 36	7/16 x 5/8 11/16 x 7/8	36 36	36 21	3/16	0 1272	113 313	0 1249	111 314				
3'-5"		N	/A				N/A		14	5/8	6 13/16	36	11/16 x 7/8	36	20	5/16	1320	338	1301	339				
L4'-5"			/A /A				N/A N/A		13	5/8 5/8	6 13/16 6 13/16	35 36	11/16 x 7/8 11/16 x 7/8		19 20	5/16 5/16	1378 1335	362 386	1361 1322	364 387				
16'-5" 17'-5"			/A /A				N/A N/A		12	5/8	6 13/16	35	11/16 x 7/8	35	19	5/16 5/16	1408 1569	411	1396 1558	412 438				
.7-5" .8'-5"			/A /A			_	N/A N/A	_	11 10	5/8 5/8	6 13/16 6 7/8	31 27	11/16 x 7/8		17 15	5/16	1569	436 461	1558	438 463				
19'-5" 20'-5"			/A /A		-		N/A N/A		9	5/8 5/8	6 7/8 6 7/8	24 22	11/16 x 7/8		13 12	5/16 5/16	1897 2063	487 512	1884 2051	489 514				
21'-5"		N	/A				N/A		8	5/8	6 7/8	21	11/16 x 7/8	-	11	5/16	2232	538	2220	540				
22'-5" 23'-5"			/A /A		-	-	N/A N/A		7	5/8 5/8	6 7/8 6 7/8	19 18	11/16 x 7/8 11/16 x 7/8	-	10	5/16 5/16	2404 2578	564 590	2391 2565	566 592				
24'-5"		N	/A			-	N/A	-	9	3/4	7 1/2	36	13/16 x 1	36	21	3/8	2281	612	2270	613				
25'-5" 26'-5"			/A /A			-	N/A N/A		9 8	3/4 3/4	7 1/2	36 34	13/16 x 1 13/16 x 1	36 34	19 18	3/8 3/8	2432 2585	637 663	2421 2574	638 664				
27'-5" 28'-5"			/A /A				N/A N/A		8	3/4 3/4	7 1/2	32 30	13/16 x 1 13/16 x 1	32 30	17	3/8 3/8	2741 2898	689 715	2729 2886	690 716				
							/	1	111,111	/														
							HS * PRO	No STA	TE OF	KELLEY TO	ANNUMULAN IN INCOMENTING		C	DF		ovative d	oor solut	tions." P	OUNTA : 800.23 : 800.52	33.8366	DYEAR, AZ	dimensior tole 0.00 FRACTI	ns are in i rances ai 0 = +/- 0.1	inches re: 031 +/- 1/3
							HUILING STATE	\$\$10	NALE	GIAN				INSU	JLAT	ED	ROL	LINC	G ST	TION EEL DOOR	DRAWN BY: TJE DWG NO:	В	SCALE: AS NOTED	18/
													CF	2002	0 SI	ATN	JON	-IMP	ACT	RATED	ES ES	5-16-62	-CIW	





L'TR	1
*	ORIGINAL ISSUE
А	REFORMATTED TABLES

								CP0020 -	0.0220 Mi	inimum Thio		anized or St			_					
-		1									Concret	te Minimum	3,000 PSI	Compressive	Strength (	Anchors are	the same of	diameter as	assembly fa	astener
	Windlock			100.00	Windlock	Assembly	Assembly		Hilti Kw	ik Bolt 3			Simpson	Wedge All			Red Hea	d Tru-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	-
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
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
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
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			I/A	-	7
14'-5"	1 5/8	0.781	CP1152 & CP1153	445	8	5/8	18		D.	I/A		11	4 1/2	6 3/4	6 13/16		N	N/A	_	9
15'-5"	1 7/8	1.031	CP1152 & CP1153	445	8	5/8	18		N	I/A		11	4 1/2	6 3/4	6 13/16	1	N	N/A	-	9
16'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18		N	I/A		10	4 1/2	6 3/4	6 7/8		P	N/A		9
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		P	N/A		8
18'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	17	1	N	A/A		8	4 1/2	6 3/4	6 7/8		P.	N/A		7
19'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15		0	N/A		8	4 1/2	6 3/4	6 7/8		r	N/A		
20'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14		P	N/A		7	4 1/2	6 3/4	6 7/8			N/A		-
21'-5"	2 1/2	1.656	CP1152 & CP1153	648	7	3/4	18		P	N/A	-	10	5	7 1/2	7 1/2	11	6 5/8	9 15/16	7 1/2	
22'-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	-
23'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		P	N/A		8	5	7 1/2	7 1/2	9	6 5/8	9 15/16	7 1/2	
24'-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	
25'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	17		1	N/A	-	7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2	

			-		F	illed CMU						Steel (Wa	all anchors are	the same d asteners)	iameter as	assembly		Superimor	osed Loads	
DBG		Hilti K	wik Bolt 3	100		Simpson S	trong-Bolt 2	2	т	hrough Bo	olt	w	elded	Through Bolt	Тар	ped		Supermite		
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"	10000	-	N/A			N	I/A		12	5/8	6 13/16	31	11/16 x 7/8	31	17	5/16	1581	376	1555	378
13'-5"	1	10	N/A			N	I/A		11	5/8	6 13/16	30	11/16 x 7/8	30	16	5/16	1631	405	1609	407
14'-5"			N/A			N	I/A		11	5/8	6 13/16	29	11/16 x 7/8	29	16	5/16	1694	435	1674	437
15'-5"		-	N/A			N	I/A	-	11	5/8	6 13/16	30	11/16 x 7/8	30	16	5/16	1637	463	1622	465
16'-5"			N/A	-		N	I/A		10	5/8	6 7/8	27	11/16 x 7/8	27	15	5/16	1721	493	1707	495
17'-5"	1		N/A		1	N	I/A		9	5/8	6 7/8	24	11/16 x 7/8	24	13	5/16	1911	524	1897	525
18'-5"		- 11	N/A			N	N/A		8	5/8	6 7/8	22	11/16 x 7/8	22	12	5/16	2103	554	2089	556
19'-5"		_	N/A			N	N/A		8	5/8	6 7/8	20	11/16 x 7/8	20	11	5/16	2298	585	2283	587
20'-5"			N/A			n	N/A		7	5/8	6 7/8	18	11/16 x 7/8	18	10	5/16	2496	616	2481	618
21'-5"			N/A			P	N/A		10	3/4	7 1/2	36	13/16 x 1	36	21	3/8	2228	643	2215	644
22'-5"			N/A			1	N/A		9	3/4	7 1/2	36	13/16 x 1	36	19	3/8	2400	674	2386	674
23'-5"			N/A			r	N/A		8	3/4	7 1/2	34	13/16 x 1	34	18	3/8	2574	704	2561	705
24'-5"		-	N/A			r	N/A		8	3/4	7 1/2	32	13/16 x 1	32	17	3/8	2751	735	2738	736
25'-5"	-		N/A			1	N/A	-	7	3/4	7 1/2	30	13/16 x 1	30	16	3/8	2931	766	2917	767





REV	SION			DATE	BY	E.C.O.
-				10/16/14	TJE	1615
; HOC	DD SUF	PORT	UPDA	02/14/20	MAN	2027
ners) ax O.C. 29 12 7 7 9 9 9 9 9 8 7	Powers W Embed 2 1/2 2 1/2 4 2 1/2 2 1/2 2 1/2 2 1/2 2 1/2 2 1/2 2 1/2 N	edge-Bolt Min. Wall Thick. 3 3/4 3 3/4 6 3 3/4 3 3/4 3 3/4 3 3/4 3 3/4 3 3/4 3 3/4 3 3/4	Edge Dis 4 9/16 5 3/4 6 13/16 6 13/16 6 13/16 6 7/8 6 7/8 6 7/8			
		/A /A				
	N	/A				
		/A /A				
	N	/A				
-						
UNTA	WOOD	P, PA	901 S. I GOO	AZ dimensio tole	ns are in erances a	
UNTA 300.23 300.53 ADS@		P, PA 3 1 IELLIR	GOO	AZ dimensio tole 0.00 FRACT	ns are in erances a 00 = +/- 0 IONAL = S = +/- 1	inches & are: ).031 +/- 1/32

REVISION L'TR \* ORIGINAL ISSUE A REFORMATTED TABLES; HOOD SUPPORT UPDATE E.C.O.

1615

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BY

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10/15/14

02/14/20

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								CP0020 -	0.0236 Mir	imum Thia	kness Galva	nized or St	ainless Ste	el - 20 PSF	Character /A	a ab ave are	the came d	inmotor ac	accombly fa	steners)		_		-			
	1	1		-	in the de	1	Accombly	-	Hilti Kwi	k Bolt 3	Concret	e Minimum		Wedge All	Strength (A	inchors are		Tru-Bolt	asseringly la	stenersy	Powers W	edge-Bolt					
BG 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.	cuge Dist	1.1.1.2.2	Embed	Min. Wall Thick.	Edge Dist		Emped	Min. Wall Thick.	Edge Dist 4 9/16				
-5"	N/A	N/A	N/A	333*	N/A	3/8	24	36	2 3/8	4	4 9/16 5 3/4	36 24	2 5/8	3 15/16 3 15/16	4 9/16 5 3/4	36 25	3	4 1/2 4 1/2	4 9/16 5 3/4	34 19	2	3	5 3/4				
-5"	N/A 1 3/8	N/A 0.594	N/A CP1151	344* 333	N/A 12	3/8	24	36	2 3/8 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	1			
-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	-			
-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		11	3 4 1/8	4 1/2 6 3/16	5 3/16 5 3/4	6 11	2 2 1/2	3 3/4	5 3/16 5 3/4				
-5"	1 1/2	0.719	CP1151	344	12	1/2 3/8	18	11	2 1/4 N	4	5 3/4	25 9	4 1/2 2 5/8	6 3/4 3 15/16	5 3/4 5 3/16	20 9	3	4 1/2	5 3/16	5	2	3	5 3/16	1			
-5" -5"	1 1/2 1 1/2	0.719	CP1151 CP1151	333 344	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	1			
-5"	1 1/2	0.719	CP1151	334	12	3/8	15		N	/A		8	2 5/8	3 15/16		8	3	4 1/2	5 7/16	5	2	3	5 7/16	+			
-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 4 1/2	5 3/4	8	2 1/2	3 3/4	5 3/4 5 7/16	-			
-5"	1 1/2	0.719	CP1151	334	11	3/8	13 18	36	N, 3 5/8	/A 6	5 3/4	7	2 5/8	3 15/16 6 3/4	5 7/16 5 3/4	7	3 4 1/8	6 3/16	5 3/4	7	2 1/2	3 3/4	5 3/4				
-5"	1 1/2	0.719	CP1151 CP1151	344 334	11	3/8	18	30		/A	5 5/4	7	2 5/8	3 15/16		7	3	4 1/2	5 7/16	5	2 1/2	3 3/4	5 7/16				
-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	4			
-5"	1 1/2	0.656	CP1152	334	10	3/8	11		-	/A	1.0.00	6	2 5/8	3 15/16		6	3	4 1/2 6 3/16	5 7/16 5 3/4	4	2 1/2 3 1/2	3 3/4 5 1/4	5 7/16	-			
-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 3 15/16	5 3/4 5 7/16	10	4 1/8 N	1/A	5 3/4	6	3 1/2	5 1/4	5 7/16	1			
-5"	1 1/2	0.656	CP1152 CP1152	334 344	9	3/8	10	28	3 5/8	/A 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				
'-5" '-5"	2	1.219	CP1152	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				
-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 6 1/4	-			
'-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 3/4	6 1/4 6 1/4	13	5 1/8 5 1/8	7 11/16	6 1/4 6 1/4	9	4	6	6 1/4	-			
-5"	2	1,156	CP1152 CP1152	444	9	5/8	18	36	4 3/8	8	6 1/4 6 13/16	14	4 1/2	6 3/4	6 13/16	12	7 1/2	11 1/4	6 13/16	10	4	6	6 13/16				
'-5" '-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	-			
'-5"	2	1.156	CP1152	445	8	5/8	18	36	4 3/8	8	6 13/16	14	4 1/2	6 3/4	6 13/16	12	7 1/2	11 1/4	6 13/16	9	4	6	6 13/16 6 13/16	-			
'-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 3/4	6 13/16 6 13/16	12	7 1/2	11 1/4 11 1/4	6 13/16 6 13/16	8	4	6	6 13/16	-			
-5"	2	1.156	CP1152 CP1152	445	8	5/8	18	22	4 3/8 N	1/A	6 13/16	12	4 1/2	6 3/4	6 13/16			N/A	1	7	4	6	6 13/16				
'-5" '-5"	2	1.156	CP1152 & CP1153	445	8	5/8	18			I/A	-	11	4 1/2	6 3/4	6 13/16		1	N/A		9	5	7 1/2	6 13/16	-			
'-5"	2	1.156	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 6 7/8	-			
·-5*	2	1.156	CP1152 & CP1153	546	7	5/8	18	-		I/A		10	4 1/2	6 3/4 6 3/4	6 7/8 6 7/8	-		N/A N/A		9	5	7 1/2	6 7/8				
'-5" '-5"	2	1.156	CP1152 & CP1153 CP1152 & CP1153	546 546	7	5/8	18	-		I/A I/A		10	4 1/2	6 3/4	6 7/8	-		N/A	-	8	5	7 1/2	6 7/8				
-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18			I/A		9	4 1/2	6 3/4	6 7/8		1	N/A		8	5	7 1/2	6 7/8				
3'-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 N/A	6 7/8	-			
9'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	17			N/A		8	4 1/2	6 3/4 6 3/4	6 7/8 6 7/8	-		N/A N/A		-		N/A		-			
)'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	16			N/A		0	4 1/2	0 3/4	1 0 1/0	1		Mar.		1				_			
								1171 × P	PATE No 5	NSE 8299	A KALLEY				<b>D</b> R		ovative d	oor solut	Mi ions <sup>™</sup> P:		INTOP, 3.8366			TCHFIELD RD YEAR, AZ	dimensio tol 0.0	otherwise sp ons are in ir lerances are 00 = +/- 0.0 FIONAL = +	nche: re: 031
							100	ROFES	STATE COR	OF	Net EF				WIN				IFIG				D	A RAWN BY: TJE DWG NO:	ANGLI SIZE: B	ES = +/- 1/2 SCALE: AS NOTED	SHE



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L'TR ORIGINAL ISSUE

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A REFORMATTED TABLES

														CPOO	20 - 0.0236	Minimum	Thickness G	alvanized o	or Stainless	Steel - 20 P	SF, Cont.														
						Filled CML	ı									0	Cracked Con	crete Minir	num 3,000	PSI Compre	ssive Streng	gth					Steel (W	all anchors are	e the same ( fasteners)	diameter as	assembly		Superimpo	sed Loads	
DBG		Hilti Kwi	ik Bolt 3			Simpson S	trong-Bolt 2	2	т	hrough Bo	lt		н	ilti Kwik Bolt	TZ			Simp	son Strong	Bolt 2			ITW	Redhead Tr	ubolt+		W	/elded	Through Bolt	Тар	oped				
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.	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 (-)
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	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	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 3/4	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
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	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	5 3/16	29	7/16 x 5/8	29	19	3/16	465	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 3/4	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	-	29	1/4	466	145	456	145
15'-5"	8	3/4	3 1/4	5 3/16	9	3/4	5 1/4	5 3/16	10	3/8	5 3/16	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	5 3/16	27	7/16 x 5/8	27	18	3/16	499	155	491	155
15'-5"	9	1/2	3 1/2	5 3/4	11	3/4	5 1/4	5 3/4	25	1/2	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
16'-5"	10	3/4	4 3/8	5 3/16	8	3/4	5 1/4	5 3/16	9	3/8	5 3/16	36	3/4	5 9/16	8	5 3/16	22 3/4	3/4	4 1/8	6 3/4	5 3/16	22 3/4	3/4	4 3/8	7	5 3/16	23	7/16 x 5/8	23	15	3/16	596	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 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
17'-5"	9	3/4	4 3/8	5 7/16		N	I/A		8	3/8	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	16 1/4	3/4	4 3/8	7	5 7/16	20	7/16 x 5/8	-	13	3/16	691	175	685	175
17'-5"	10	3/4	4 3/8	5 3/4	8	3/4	5 1/4	5 3/4	18	1/2	5 3/4	36	3/4	5 9/16	8	5 3/4	28 1/2	3/4	4 1/8	6 3/4	5 3/4	28 1/2	3/4	4 3/8	7	5 3/4	36	9/16 x 3/4	36	20	1/4	692	175	685	175
18'-5"	8	3/4	4 3/8	5 7/16		N	I/A		7	3/8	5 7/16	36	3/4	5 9/16	8	5 7/16	36	3/4	5 3/4	8 3/4	5 7/16	19	3/4	4 3/8	8	5 7/16	17	7/16 x 5/8		11	3/16	785	185	779	186
18'-5"	9	3/4	4 3/8	5 3/4		N	I/A		16	1/2	5 3/4	36	3/4	5 9/16	8	5 3/4	36	3/4	5 3/4	8 3/4	5 3/4	36	3/4	4 3/8	8	5 3/4	31	9/16 x 3/4	31	17	1/4	786	185	779	186
19'-5"		N)	/A			N	I/A		7	3/8	5 7/16			N/A					N/A			1		N/A	-	-	15	7/16 x 5/8		10	3/16	878	195	872	196
19'-5"	8	3/4	4 3/8	5 3/4		N	I/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		9/16 x 3/4		15	1/4	879	196	872	196
20'-5"		N,	/A			N	I/A		6	3/8	5 7/16			N/A					N/A		_			N/A		-	13	7/16 x 5/8	-	8	3/16	1024	206	1017	206
20'-5"		N,	/Α			N	I/A		13	1/2	5 3/4			N/A	-				N/A					N/A			24	9/16 x 3/4	-	13	1/4	1025	206	1017	206
21'-5"		N,	/A	1		N	I/A	-	5	3/8	5 7/16			N/A					N/A					N/A			12	7/16 x 5/8		8	3/16	1120	216	1114 1114	217
21'-5"		N,	/A			P	I/A		11	1/2	5 3/4		-	N/A					N/A	-	1	-	1 1-	N/A	1	1 /	22	9/16 x 3/4	-	12	1/4	1121 862	216 224	856	225
22'-5"	8	3/4	4 3/8	6 1/4		N	I/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		11/16 x 7/8		26	5/16	965	235	959	235
23'-5"		N,	/A	-		١	N/A		16	5/8	6 1/4			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	-	11/16 x 7/8		23	5/16	1041	235	1035	245
24'-5"		N,	/A			P	N/A		15	5/8	6 1/4			N/A					N/A					N/A			36	11/16 x 7/8		20	5/16		245	1112	256
25'-5"		N,	/A			1	N/A	1	14	5/8	6 1/4			N/A				-	N/A	1	1			N/A	-	_	36	11/16 x 7/8		20	5/16		265	1189	266
26'-5"	1	N,	/A			P	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		22	5/16	1273	275	1267	276
27'-5"		N,	/A				N/A		14	5/8	6 13/16			N/A			-		N/A			-		N/A N/A			36	11/16 x 7/8	-	20	5/16	1352	286	1346	286
28'-5"		N,	/A		-		N/A	-	14	5/8	6 13/16			N/A					N/A			-		N/A N/A			34	11/16 x 7/8	-	19	5/16	1431	296	1425	296
29'-5"	-		/A				N/A		13	5/8	6 13/16			N/A	2		-		N/A					N/A N/A			34	11/16 x 7/8	-	18	5/16	1512	306	1506	307
30'-5"		N,		_	-		N/A		12	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		11	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"			/A				A/A		10	5/8	6 13/16	-		N/A					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			23	11/16 x 7/8	-	13	5/16	1927	358	1921	358
35'-5"			/A		-		N/A		10	5/8	6 7/8			N/A	-		-	-	N/A			-		N/A			24	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			23	11/16 x 7/8		12	5/16	2100	378	2094	379
37'-5"			/A				N/A		9	5/8	6 7/8			N/A			-		N/A			-		N/A N/A			22	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"	1		/A				N/A		8	5/8	6 7/8			N/A			-		N/A N/A			-		N/A			19	11/16 x 7/1	-	10	5/16	-	410	2361	411
40'-5"		N	/A				N/A		8	5/8	6 7/8			N/A					N/A					IN/M			15				-1-3				-





REVISION	DATE	BY	E.C.O.
	10/16/14	TJE	1615
S; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

ELMWOOD AVE 1901 S. UNTAINTOP, PA GOO		dimensi	otherwise s ions are in i blerances a	nches &
800.233.8366 800.526.0841 ADS@CORNELLIRON.C0	ом	FRAC	000 = +/- 0. TIONAL = + .ES = +/- 1/	+/- 1/32
JRATION	DRAWN BY: TJE	SIZE:	SCALE: AS NOTED	SHEET: 21/53
STEEL DOOR	DWG NO: ES	-16-6	2-CIW	200

# L'TR \* ORIGINAL ISSUE A REFORMATTED TABLES;

_							_	CP0020 -	- 0.0236 M	inimum Thi		anized or St									_		_
		1.0.00			1.0		1				Concre	e Minimum	3,000 PSI	Compressive	e Strength (	Anchors are	the same of	diameter as	assembly fi	asteners)		_	
DBG	Windlock			Guide	Windlock	Assembly	Assembly		Hilti Kv	vik Bolt 3			Simpson	Wedge All			Red Hea	d Tru-Bolt			Powers V	Vedge-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
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	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
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	I/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	I/A		5	2 5/8	3 15/16	5 7/16		N	I/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	I/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	I/A		10	4 1/2	6 3/4	6 13/16		N	I/A		9	5	7 1/2	6 13/16
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		N	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		N	I/A		8	5	7 1/2	6 7/8
28'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	0	N	I/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	I/A		8	4 1/2	6 3/4	6 7/8		N	I/A	-	7	5	7 1/2	6 7/8
30'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	16	1	N	I/A		8	4 1/2	6 3/4	6 7/8		N	I/A			N	I/A	
31'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15		M	I/A		7	4 1/2	6 3/4	6 7/8		N	I/A			N	I/A	
32'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15		P	N/A		7	4 1/2	6 3/4	6 7/8		N	I/A			, N	I/A	
33'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14		P	N/A	-	7	4 1/2	6 3/4	6 7/8		N	A/A	-		n	I/A	
34'-5"	2	1.156	CP1152 & CP1153	648	6	3/4	18		N	A/A		6	4 1/2	6 3/4	6 7/8		N	I/A			N	I/A	
35'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		4	N/A	1	9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2		P	I/A	-
36'-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		P	I/A	-
37'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		N	N/A		8	5	7 1/2	7 1/2	9	6 5/8	9 15/16	7 1/2		N	A/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	N/A	
39'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18			N/A		8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2		P	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		P	N/A	







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REVISION	DATE	BY	E.C.O.
	10/16/14	TJE	1615
; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

ELMWOOD AVE 1901 S. UNTAINTOP, PA GOO		dimens	otherwise s ions are in plerances a	inches &
800.233.8366 800.526.0841 ADS@CORNELLIRON.C	ом	FRAC	000 = +/- 0. TIONAL = - _ES = +/- 1/	+/- 1/32
JRATION	DRAWN BY:	SIZE:	SCALE: AS NOTED	
STEEL DOOR	DWG NO:	1	2-CIW	22155

L'TR

\* ORIGINAL ISSUE
A REFORMATTED TABLES

-										_		-		CP00	20 - 0.023	6 Minimum	Thickness G	alvanized	or Stainless	Steel - 30 P	SF, Cont.	_													
						Filled CM	UN									c	Cracked Con	crete Minii	mum 3,000	PSI Compre	ssive Streng	gth					Steel (W	all anchors are	the same fasteners)	diameter as	assembly		Superimpo	osed Loads	
DBG		Hilti Kw	vik Bolt 3			Simpson	Strong-Bolt	2		Through Bo	olt		н	ilti Kwik Bolt	TZ		-	Sim	pson Strong	Bolt 2			ITW	Redhead Tr	ubolt+		w	elded	Through Bolt	Тар	ped		Supermit		
Uр То	Max O.C.	Dia.	Embed	Edge Dist	Max O.C.	Dia.	Embed	Edge Dist	Max. O.C.	Dia.	Edge Dist	Max O.C.	Dia.	Embed.	Min Wall Thick.	Edge Dist	Max O.C.	Dia.	Embed.	Min Wall Thick.	Edge Dist	Max O.C.	Dia.	Embed.	Min Wall Thick.	Edge Dist	Max O.C.	Slot Size	Max O.C.	Max O.C.	Min. Thickness	Vx (+)	Vy (+)	Vx (-)	Vy (-)
6'-5"	8	3/8	1 5/8	4 9/16	15	3/8	2 5/8	4 9/16	36	3/8	4 9/16	36	3/8	2 5/16	4	4 9/16	36	3/8	1 7/8	3 1/4	4 9/16	36	3/8	2	4	4 9/16	36	7/16 x 5/8	36	36	3/16	0	98	0	97
6'-5"	12	3/8	2 1/2	5 3/4	8	3/8	2 5/8	5 3/4	21	3/8	5 3/4	19	3/8	2 5/16	4	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	3/8	2	5	5 3/4	36	7/16 x 5/8	36	36	3/16	0	98	0	97
14'-5"	8	3/4	4 3/8	5 7/16	0	0	N/A		7	3/8	5 7/16	28 1/2	3/4	5 9/16	8	5 7/16	36	3/4	5 3/4	8 3/4	5 7/16			N/A			16	7/16 x 5/8	16	11	3/16	826	218	814	218
14'-5"	9	3/4	4 3/8	5 3/4			N/A		15	1/2	5 3/4	36	3/4	5 9/16	8	5 3/4	36	3/4	5 3/4	8 3/4	5 3/4	28 1/2	3/4	4 3/8	8	5 3/4	30	9/16 x 3/4	30	16	1/4	828	218	814	218
15'-5"		N	/A				N/A		7	3/8	5 7/16			N/A					N/A	-				N/A			16	7/16 x 5/8	16	10	3/16	860	232	851	233
15'-5"	8	3/4	4 3/8	5 3/4			N/A		15	1/2	5 3/4	36	3/4	5 9/16	8	5 3/4	36	3/4	5 3/4	8 3/4	5 3/4	19	3/4	4 3/8	8	5 3/4	28	9/16 x 3/4	28	16	1/4	862	233	851	233
16'-5"		N	/A				N/A		5	3/8	5 7/16			N/A	200		1		N/A					N/A			13	7/16 x 5/8	13	8	3/16	1051	248	1041	249
16'-5"	NT	N	/A				N/A		12	1/2	5 3/4		_	N/A					N/A	-				N/A			23	9/16 x 3/4	23	13	1/4	1052	248	1041	249
17'-5"		N	/A	_			N/A		11	1/2	5 3/4			N/A			1		N/A	1.2.2				N/A			21	9/16 x 3/4	21	11	1/4	1189	264	1178	264
18'-5"		N	/A				N/A		16	5/8	6 1/4	-		N/A			36	3/4	5 3/4	8 3/4	6 1/4	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
19'-5"		N	/A			102	N/A		14	5/8	6 1/4			N/A					N/A				_	N/A			36	11/16 x 7/8	36	21	5/16	1063	292	1055	292
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	23	5/16	1170	307	1162	308
21'-5"		N	/A				N/A		14	5/8	6 13/16			N/A					N/A	-				N/A			36	11/16 x 7/8	36	21	5/16	1278	322	1270	323
22'-5"		N	/A				N/A		13	5/8	6 13/16	· · · · ·		N/A	-				N/A					N/A			35	11/16 x 7/8	35	19	5/16	1386	337	1378	338
23'-5"		N	/A			-	N/A		12	5/8	6 13/16	1		N/A			1		N/A					N/A			33	11/16 x 7/8	33	18	5/16	1495	352	1487	353
24'-5"		N	/A			_	N/A		11	5/8	6 13/16			N/A					N/A					N/A			30	11/16 x 7/8	30	17	5/16	1606	368	1598	369
25'-5"		N	/A				N/A		10	5/8	6 13/16			N/A					N/A					N/A	-		28	11/16 x 7/8	28	15	5/16	1717	383	1709	384
26'-5"		N	/A				N/A		10	5/8	6 7/8			N/A					N/A					N/A			25	11/16 x 7/8	25	14	5/16	1830	399	1822	400
27'-5"		N	/A			-	N/A		9	5/8	6 7/8			N/A					N/A					N/A			24	11/16 x 7/8	24	13	5/16	1944	414	1936	415
28'-5"		N	/A				N/A		9	5/8	6 7/8			N/A					N/A					N/A			22	11/16 x 7/8	22	12	5/16	2060	429	2052	431
29'-5"	18 - C.	N	/A			-	N/A		8	5/8	6 7/8			N/A					N/A	-				N/A			21	11/16 x 7/8	21	11	5/16	2177	445	2169	446
30'-5"		N	/A				N/A		8	5/8	6 7/8			N/A					N/A					N/A			20	11/16 x 7/8	20	11	5/16	2296	461	2287	462
31'-5"	1	N	/A				N/A		7	5/8	6 7/8			N/A					N/A					N/A			19	11/16 x 7/8	19	10	5/16	2416	476	2407	477
32'-5"		N	/A				N/A		7	5/8	6 7/8			N/A				-	N/A					N/A			18	11/16 x 7/8	18	10	5/16	2538	492	2529	493
33'-5"		N	/A				N/A		7	5/8	6 7/8			N/A					N/A					N/A			17	11/16 x 7/8	17	9	5/16	2661	508	2652	509
34'-5"		N	/A				N/A	-	6	3/4	6 7/8			N/A					N/A					N/A			36	11/16 x 7/8	36	20	3/8	2313	519	2306	520
35'-5"		N	/A				N/A		9	3/4	7 1/2			N/A					N/A					N/A			36	13/16 x 1	36	20	3/8	2419	535	2411	535
36'-5"		N	/A			-	N/A		9	3/4	7 1/2			N/A					N/A					N/A			35	13/16 x 1	35	19	3/8	2526	550	2518	551
37'-5"		N	/A				N/A		8	3/4	7 1/2			N/A					N/A					N/A		-	33	13/16 x 1	33	18	3/8	2635	566	2626	566
38'-5"		N	I/A				N/A		8	3/4	7 1/2			N/A					N/A					N/A			32	13/16 x 1	32	17	3/8	2744	582	2736	582
39'-5"	(	N	I/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
40'-5"		N	I/A				N/A	-	7	3/4	7 1/2			N/A					N/A					N/A			30	13/16 x 1	30	16	3/8	2967	613	2959	613







REVISION	DATE	BY	E.C.O.
	10/16/14	TJE	1615
; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

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 A
 REFORMATTED TABLES; HOW

	T T	-	-			-	-	stener Max O.C. Embed Min. Wall Edge Dist Ma							Strongth (	Anchors are	the came d	liameter as	accombly f	stanars)	_		
	Windlock				Windlock	Assembly	Assembly		Hilti Kw	vik Bolt 3	concret			Wedge All	e strengtin (i			d Tru-Bolt	assentory re		Powers V	Vedge-Bolt	
DBG Up To	Flat	Slip	Windlock	Guide Assembly	Weld Pitch	Fastener Diameter	Fastener Spacing	Max O.C.	Embed	1	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist
5'-5"	N/A	N/A	N/A	333*	N/A	3/8	24	36	2 3/8	4	4 9/16	33	2 5/8	3 15/16	4 9/16	34	3	4 1/2	4 9/16	26	2	3	4 9/16
5'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	19	2 5/8	3 15/16	5 3/4	19	3	4 1/2	5 3/4	15	2	3	5 3/4
14'-5"	1 1/2	0.656	CP1152 & CP1153	DC1	8	1/2	12	8	3 1/2	5 1/4	5 3/4	8	4 1/2	6 3/4	5 3/4		N	/A			N	I/A	
15'-5"	1 1/2	0.656	CP1152	445	9	5/8	18	36	4 3/8	8	6 13/16	14	4 1/2	6 3/4	6 13/16	13	7 1/2	11 1/4	6 13/16	9	4	6	6 13/16
16'-5"	1 5/8	0.781	CP1152	445	9	5/8	18	36	4 3/8	8	6 13/16	14	4 1/2	6 3/4	6 13/16	12	7 1/2	11 1/4	6 13/16	9	4	6	6 13/16
17'-5"	1 7/8	1.031	CP1152	445	9	5/8	18	36	4 3/8	8	6 13/16	14	4 1/2	6 3/4	6 13/16	13	7 1/2	11 1/4	6 13/16	9	4	6	6 13/16
18'-5"	2	1.156	CP1152	445	9	5/8	18	36	4 3/8	8	6 13/16	13	4 1/2	6 3/4	6 13/16	12	7 1/2	11 1/4	6 13/16	8	4	6	6 13/16
19'-5"	2	1.156	CP1152	445	8	5/8	18	28	4 3/8	8	6 13/16	12	4 1/2	6 3/4	6 13/16	11	7 1/2	11 1/4	6 13/16	8	4	6	6 13/16
20'-5"	2	1.156	CP1152 & CP1153	445	8	5/8	18		N	I/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	1	N	I/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	I/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	1	N	I/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	/A			N	N/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			N	N/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	/A			n	N/A	
28'-5"	2	1.156	CP1152 & CP1153	648	6	3/4	18		N	I/A		6	4 1/2	6 3/4	6 7/8		N	/A			n	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		M	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		P	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	P	N/A	
33'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	17		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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						Filled CMU						Steel (W	all anchors are	the same of fasteners)	diameter as	assembly		Superimpo	abeal base	
DBG		Hilti Kv	vik Bolt 3	10.1		Simpson S	trong-Bolt 2	1	т	hrough Be	olt	w	elded	Through Bolt	Тар	oped		Superimp	5550 20803	
Ир То	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	I/A			N	/A		8	1/2	5 3/4	12	9/16 x 3/4	12	12	1/4	1117	290	1103	291
15'-5"		N	I/A			N	/A		14	5/8	6 13/16	36	11/16 x 7/8	36	21	5/16	1300	310	1284	312
16'-5"		N	I/A			N	/A		14	5/8	6 13/16	36	11/16 x 7/8	36	20	5/16	1333	330	1318	33:
17'-5"		N	I/A			N	/A		14	5/8	6 13/16	36	11/16 x 7/8	36	21	5/16	1273	349	1262	35
18'-5"		N	I/A			N	/A		13	5/8	6 13/16	36	11/16 x 7/8	36	20	5/16	1327	369	1317	37
19'-5"	1.	N/A N/A N/A				N	/A		12	5/8	6 13/16	33	11/16 x 7/8	33	18	5/16	1464	389	1454	39
20'-5"		N/A N/A				N	/A		11	5/8	6 13/16	30	11/16 x 7/8	30	17	5/16	1603	409	1592	41
21'-5"		N	I/A			N	/A		10	5/8	6 7/8	26	11/16 x 7/8	26	14	5/16	1742	430	1732	43
22'-5"		N	I/A	-		N	/A		10	5/8	6 7/8	24	11/16 x 7/8	24	13	5/16	1883	450	1873	45
23'-5"		1	I/A			N	I/A		9	5/8	6 7/8	23	11/16 x 7/8	23	12	5/16	2026	471	2016	47
24'-5"		N	I/A			N	/A		8	5/8	6 7/8	21	11/16 x 7/8	21	11	5/16	2171	491	2160	49
25'-5"		n	I/A			N	/A		8	5/8	6 7/8	20	11/16 x 7/8	20	11	5/16	2317	512	2306	51
26'-5"		N	I/A	-		N	/A		7	5/8	6 7/8	19	11/16 x 7/8	19	10	5/16	2465	533	2455	53
27'-5"		N	I/A			N	/A		7	5/8	6 7/8	17	11/16 x 7/8	17	9	5/16	2616	553	2605	55
28'-5"		P	N/A			N	I/A		6	3/4	6 7/8	36	11/16 x 7/8	36	21	3/8	2294	570	2285	57
29'-5"		n	N/A			N	I/A		9	3/4	7 1/2	36	13/16 x 1	36	19	3/8	2424	591	2414	59
30'-5"		n	N/A			N	I/A		9	3/4	7 1/2	34	13/16 x 1	34	18	3/8	2556	612	2546	61
31'-5"		P	N/A			N	I/A		8	3/4	7 1/2	33	13/16 x 1	33	18	3/8	2689	632	2679	63
32'-5"		P	N/A	~		N	I/A	-	8	3/4	7 1/2	31	13/16 x 1	31	17	3/8	2824	653	2814	65
33'-5"		P	N/A			N	I/A	-	7	3/4	7 1/2	30	13/16 x 1	30	16	3/8	2960	674	2950	67
34'-5"		1	N/A			N	I/A		7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	3099	694	3089	69





ELMWOOD AVE 1901 S. UNTAINTOP, PA GOO		dimensi	otherwise specified, ions are in inches & olerances are:
00.233.8366 00.526.0841 NDS@CORNELLIRON.CO	ом	FRAC	000 = +/- 0.031 TIONAL = +/- 1/32 .ES = +/- 1/2 DEG
IRATION STEEL DOOR	DRAWN BY: TJE DWG NO: ES	SIZE: B	SCALE: SHEET: ASNOTED25/53 2-CIW

DATE	BY	E.C.O.
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	10/16/14	10/16/14 TJE

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								CP0020	- 0.0236 M	inimum Thio		anized or St								
					11.1						Concret	e Minimum	3,000 PSI	Compressive	e Strength (	Anchors are	the same of	diameter as	assembly fa	asteners)
DBG	Windlock		1.25.5	Guide	Windlock	Assembly	Assembly		Hilti Kv	vik Bolt 3			Simpson	Wedge All			Red Hea	d Tru-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
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
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
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		
15'-5"	1 1/2	0.656	CP1152 & CP1153	445	8	5/8	18	12.3	N	I/A		11	4 1/2	6 3/4	6 13/16	1	N	I/A		1
16'-5"	1 5/8	0.781	CP1152 & CP1153	445	7	5/8	18		N	I/A		11	4 1/2	6 3/4	6 13/16		N	I/A		
17'-5"	1 7/8	1.031	CP1152 & CP1153	445	8	5/8	18		N	I/A		11	4 1/2	6 3/4	6 13/16		N	I/A		
18'-5"	2	1.156	CP1152 & CP1153	546	8	5/8	18		N	I/A		11	4 1/2	6 3/4	6 7/8	0	N	I/A		
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	I/A		
20'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	17		N	I/A		9	4 1/2	6 3/4	6 7/8	1	N	I/A		
21'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	16		N	I/A		8	4 1/2	6 3/4	6 7/8		ħ	I/A		
22'-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	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	I/A		
24'-5"	2	1.156	CP1152 & CP1153	648	6	3/4	18		N	I/A		6	4 1/2	6 3/4	6 7/8		N	I/A		
25'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	1	. N	I/A	_	9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2	
26'-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	
27'-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	
28'-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	
29'-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	Filled CMU						Steel (Wa	all anchors are f	the same d asteners)	iameter as	assembly		Superimo	shealbase	
DBG	1.1.1	Hilti Kv	wik Bolt 3			Simpson Si	trong-Bolt 2	2	т	hrough Bo	lt	w	elded	Through Bolt	Тар	ped		Superimpo	iseu Luaus	
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 (+)	137         0           138         0           363         1443           389         1662           413         1698           437         1621           461         1685           487         1853           512         2023           538         2194           564         2368           589         2544           612         2250           637         2402           663         2557           688         2713           714         2872	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"		P	A/N		-	N	/A		8	1/2	5 3/4	12	9/16 x 3/4	12	12	1/4	1461	363	1443	364
15'-5"		N/A N/A N/A				N	/A		11	5/8	6 13/16	29	11/16 x 7/8	29	16	5/16	1682	389	1662	390
16'-5"		N/A				N	/A		11	5/8	6 13/16	28	11/16 x 7/8	28	15	5/16	1716	413	1698	415
17'-5"	-					N	/A		11	5/8	6 13/16	30	11/16 x 7/8	30	16	5/16	1635	437	1621	438
18'-5"		N/A				N	/A		11	5/8	6 7/8	27	11/16 x 7/8	27	15	5/16	1698	461	1685	463
19'-5"	<u>.</u>	P	A/A			N	I/A		10	5/8	6 7/8	25	11/16 x 7/8	25	13	5/16	1865	487	1853	488
20'-5"		P	N/A			N	I/A		9	5/8	6 7/8	23	11/16 x 7/8	23	12	5/16	2035	512	2023	514
21'-5"		r	N/A	-		N	I/A		8	5/8	6 7/8	21	11/16 x 7/8	21	11	5/16	2207	538	2194	540
22'-5"		r	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			N	I/A		7	5/8	6 7/8	18	11/16 x 7/8	18	10	5/16	2557	589	2544	591
24'-5"	-	N/A N/A N/A N/A N/A N/A N/A N/A				N	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 N/A N/A N/A N/A N/A N/A N/A N/A N/A				N	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			N	I/A		8	3/4	7 1/2	34	13/16 x 1	34	18	3/8	2569	663	2557	664
27'-5"		- 1	N/A			N	I/A		8	3/4	7 1/2	32	13/16 x 1	32	17	3/8	2725	688	2713	689
28'-5"		1	N/A			N	I/A		7	3/4	7 1/2	30	13/16 x 1	30	16	3/8	2884	714	2872	715
29'-5"		8         3/8         2         1/2           N/A         N/A           N/A         N/A			-	N	I/A		7	3/4	7 1/2	29	13/16 x 1	29	15	3/8	3045	740	3033	741





RE	VISIO	N		DATE	BY	E.C.O
				10/16/14	TJE	1615
; H	OOD S	UPPOF	RT UPD	 02/14/20	MAN	2027
s)	_					
-	Powers W	/edge-Bolt				
0.C.	Embed	Min. Wall Thick.	Edge Dist			
	2	3	4 9/16 5 3/4			
-	3 1/2 N	0 /A	5 3/4			
_		/A				
		/A /A				
	N	/A				
		/A /A				
	N	/A				
-		/A /A				
	N	/A				
-		/A //A	_			
-		/A				
_		I/A I/A				
			1901 S. L GOO	Unless oth dimension toler	erwise s s are in i ances a	nches 8
					1	1.1.1

JNTAINTOP, PA G	OODYEAR, AZ	1.	ions are in inches & olerances are:
00.233.8366 00.526.0841 .DS@CORNELLIRON	.COM	FRAC	000 = +/- 0.031 TIONAL = +/- 1/32 LES = +/- 1/2 DEG
RATION		SIZE:	SCALE: SHEET: AS NOTED 26/53
STEEL DOOI		6-16-6	2-CIW

## L'TR \* ORIGINAL

ORIGINAL ISSUE

A REFORMATTED TABLES;

							1				Concret	e Minimum	3,000 PSI (	Compressive	Strength (/	Anchors are	the same o	diameter as a	assembly fa	steners)			
DBG	Windlock			Guide	Windlock	Assembly	Assembly		Hilti Kw	ik Bolt 3			Simpson	Wedge All			Red Head	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	27	2 5/8	3 15/16	4 9/16	28	3	4 1/2	4 9/16	21	2	3	4 9/16
4'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	15	2 5/8	3 15/16	5 3/4	16	3	4 1/2	5 3/4	31	3 1/2	5 1/4	5 3/4
14'-5"	1 1/2	0.656	CP1152 & CP1153	DC1	8	1/2	12	8	3 1/2	5 1/4	5 3/4	8	4 1/2	6 3/4	5 3/4		N	I/A			N	I/A	
15'-5"	1 1/2	0.656	CP1152 & CP1153	546	7	5/8	18		N/A N/A			9	4 1/2	6 3/4	6 7/8		N	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				9	4 1/2	6 3/4	6 7/8		N	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/A			9	4 1/2	6 3/4	6 7/8		N	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/A N/A			9	4 1/2	6 3/4	6 7/8		N	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	/A		8	4 1/2	6 3/4	6 7/8	-	N	I/A		1	N	I/A	-
20'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14		N	/A		7	4 1/2	6 3/4	6 7/8		N	I/A			N	I/A	
21'-5"	2	1.156	CP1152 & CP1153	648	7	3/4	18		N	/A		7	4 1/2	6 3/4	6 7/8		N	I/A	-		N	I/A	
22'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		N	/A		9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2		N	I/A	
23'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		N	/A		8	5	7 1/2	7 1/2	9	6 5/8	9 15/16	7 1/2		N	I/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	I/A	
25'-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	I/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	N/A			N	I/A	

						Filled CMU						Steel (Wa	all anchors are f	the same d asteners)	iameter as	assembly		Suparimp	osed Loads	
DBG		Hilti K	wik Bolt 3			Simpson S	trong-Bolt 2		T	rough Bo	olt	w	elded	Through Bolt	Тар	oped		Superimpt	5560 20803	
Uр То	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			N	/A		8	1/2	5 3/4	12	9/16 x 3/4	12	12	1/4	1804	437	1784	437
15'-5"		1	N/A			N	/A		9	5/8	6 7/8	22	11/16 x 7/8	22	12	5/16	2064	467	2040	469
16'-5"		- 1	N/A		N/A N/A					5/8	6 7/8	22	11/16 x 7/8	22	12	5/16	2099	496	2078	498
17'-5"			N/A			N	I/A	-	9	5/8	6 7/8	23	11/16 x 7/8	23	13	5/16	1997	524	1981	526
18'-5"		1	N/A	-		N	I/A		9	5/8	6 7/8	22	11/16 x 7/8	22	12	5/16	2068	554	2054	556
19'-5"		1	N/A			N	I/A		8	5/8	6 7/8	20	11/16 x 7/8	20	11	5/16	2267	585	2252	587
20'-5"		1	N/A		1	N	I/A		7	5/8	6 7/8	19	11/16 x 7/8	19	10	5/16	2468	615	2453	617
21'-5"		1	N/A			N	I/A		7	3/4	6 7/8	36	11/16 x 7/8	36	21	3/8	2203	643	2189	644
22'-5"			N/A			N	I/A		9	3/4	7 1/2	36	13/16 x 1	36	20	3/8	2377	673	2363	674
23'-5"			N/A			N	I/A		8	3/4	7 1/2	34	13/16 x 1	34	18	3/8	2553	704	2539	705
24'-5"		- 1	N/A			N	I/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	I/A		7	3/4	7 1/2	30	13/16 x 1	30	16	3/8	2913	766	2899	766
26'-5"			N/A			P	I/A		7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	3097	796	3083	797







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REVISION	DATE	BY	E.C.O.
	10/16/14	TJE	1615
; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

ELMWOOD AVE 1901 S. I UNTAINTOP, PA GOO		dimens	otherwise specified, ions are in inches & olerances are:
300.233.8366 500.526.0841 ADS@CORNELLIRON.CO	ом	FRAC	000 = +/- 0.031 TIONAL = +/- 1/32 .ES = +/- 1/2 DEG
IRATION	DRAWN BY: TJE	SIZE:	SCALE: SHEET: AS NOTED 27/53
STEEL DOOR	DWG NO: ES	-16-6	2-CIW

## L'TR

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ORIGINAL ISSUE

REFORMATTED TABLES

		1									Concret	e Minimum	3,000 PSI	Compressive	Strength (	Anchors are	the same d	iameter as	assembly fa	steners)			
	Windlock			13.77	Windlock	Assembly	Assembly		Hilti Kw	ik Bolt 3			Simpson	Wedge All			Red Head	Tru-Bolt				/edge-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
4'-5"	N/A	N/A	N/A	333*	N/A	3/8	24	36	2 3/8	4	4 9/16	25	2 5/8	3 15/16	4 9/16	26	3	4 1/2	4 9/16	20	2	3	4 9/16
4'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	14	2 5/8	3 15/16	5 3/4	14	3	4 1/2	5 3/4	28	3 1/2	5 1/4	5 3/4
14'-5"	1 1/2	0.656	CP1152 & CP1153	DC1	8	1/2	12	8	3 1/2	5 1/4	5 3/4	8	4 1/2	6 3/4	5 3/4		N	/A			N	/A	
15'-5"	1 1/2	0.656	CP1152 & CP1153	546	6	5/8	17	N/A					4 1/2	6 3/4	6 7/8		N	/A		-	N	I/A	
16'-5"	1 5/8	0.781	CP1152 & CP1153	546	6	5/8	16	N/A					4 1/2	6 3/4	6 7/8		N	/A			N	I/A	
17'-5"	1 3/4	0.906	CP1152 & CP1153	546	6	5/8	16	N/A N/A				8	4 1/2	6 3/4	6 7/8	-	N	/A		-		I/A	
18'-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				I/A	
19'-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				I/A	
20'-5"	2 3/8	1.531	CP1152 & CP1153	648	6	3/4	18	-	N	I/A		9	5	7 1/2	7 1/2		N	/A				I/A	_
21'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		N	I/A		9	5	7 1/2	7 1/2		N	/A				I/A	
22'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		N	I/A		8	5	7 1/2	7 1/2		N	/A				I/A	
23'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		N	I/A		8	5	7 1/2	7 1/2		N	/A				I/A	
24'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	17		N	I/A	-	7	5	7 1/2	7 1/2		N	/A			N	V/A	

							CP0020 - 0	.0236 Minin	num Thickne	ss Galvar	nized or Stain	nless Steel -	65 PSF, Cont.	_						
			-			Filled CML	j –					Steel (Wa	all anchors are	the same d asteners)	liameter as	assembly		Superimo	osed Loads	
DBG		Hilti Kv	wik Bolt 3	100	111-3	Simpson S	trong-Bolt 2		T	hrough Bo	olt	w	elded	Through Bolt	Taj	oped		Sobernike		
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"		N/A N/A							8	1/2	5 3/4	12	9/16 x 3/4	12	12	1/4	1976	473	1955	474
15'-5"		1	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"		1	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"		1	N/A			N	N/A		8	5/8	6 7/8	20	11/16 x 7/8	20	11	5/16	2341	570	2321	572
18'-5"		1	N/A			n	N/A		8	5/8	6 7/8	20	11/16 x 7/8	20	11	5/16	2254	600	2238	602
19'-5"	1	1	N/A			P	N/A		7	5/8	6 7/8	19	11/16 x 7/8	19	10	5/16	2467	634	2452	636
20'-5"		-	N/A			1	N/A		9	3/4	7 1/2	36	13/16 x 1	36	20	3/8	2309	665	2293	665
21'-5"			N/A	-		1	N/A	-	9	3/4	7 1/2	36	13/16 x 1	36	19	3/8	2396	697	2382	697
22'-5"			N/A			1	N/A		8	3/4	7 1/2	34	13/16 x 1	34	18	3/8	2583	730	2569	731
23'-5"			N/A			1	N/A		8	3/4	7 1/2	31	13/16 x 1	31	17	3/8	2774	763	2759	764
24'-5"			N/A				N/A		7	3/4	7 1/2	29	13/16 x 1	29	16	3/8	2967	796	2952	797





CP0020 SLAT NON-IMPACT RATED

REVISION	DATE	BY	E.C.O.
	10/16/14	TJE	1615
; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

ELMWOOD AVE 1901 S. UNTAINTOP, PA GOO	LITCHFIELD RD DYEAR, AZ	dimens	otherwise specified, ions are in inches & blerances are:
800.233.8366 800.526.0841 ADS@CORNELLIRON.C0	MC	FRAC	000 = +/- 0.031 TIONAL = +/- 1/32 _ES = +/- 1/2 DEG
JRATION	DRAWN BY:	SIZE: B	SCALE: SHEET: AS NOTED 28/53
STEEL DOOR	DWG NO: ES	-16-6	2-CIW

																L'TR				R	EVISION	N			DATE	BY	E.C.O.
																*	ORIGIN	VAL ISS	SUE						10/16/14	TJE	1615
																A	REFOR	RMATT	ED TAB	LES; H	OOD S	UPPOF		ATE	02/14/20	MAN	2027
								CP0020 -	0.0296 Mir	nimum Thi	ckness Galv	anized or St	ainless Stee	el - 20 PSF													
	1	1			1				Littler 16.	l. Dalk 2	Concret	te Minimum		Compressive Wedge All	Strength (A	nchors are	Red Head		assembly fa	steners)	Powers W	/edge-Bolt					
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Max O.C.	Embed	ik Bolt 3 Min. Wal Thick.	Luge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	1. A. 1. 1	Embed	Min. Wall Thick.	Edge Dist 4 9/16	Max O.C. 30	Embed 2	Min. Wall Thick. 3	Edge Dist 4 9/16				
9'-5"	N/A	N/A	N/A N/A	333* 344*	N/A N/A	3/8 3/8	24	36 36	2 3/8	4	4 9/16 5 3/4	36	2 5/8	3 15/16 3 15/16	4 9/16 5 3/4	36	3	4 1/2 4 1/2	5 3/4	36	3 1/2	5 1/4	5 3/4				
9'-5" 13'-5"	N/A 1 5/16	N/A 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 14	4 1/8	6 3/16 4 1/2	5 3/4 5 3/16	25 18	3 1/2 3 1/2	5 1/4 5 1/4	5 3/4 5 3/16	2 I T			
14'-5"	1 7/16	0.657	CP1151	333	12	3/8	18	36	2 3/8	4	5 3/16 5 3/4	14 33	2 5/8	3 15/16 6 3/4	5 3/16 5 3/4	26	4 1/8	6 3/16	5 3/4	22	3 1/2	5 1/4	5 3/4				
14'-5" 15'-5"	1 7/16	0.657	CP1151 CP1151	344 333	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 5 3/16				
16'-5"	1 1/2	0.719	CP1151	333	12	3/8	18			/A	1.6.34	9	2 5/8	3 15/16 6 3/4	5 3/16 5 3/4	9 18	3 4 1/8	4 1/2 6 3/16	5 3/16 5 3/4	6 10	2 2 1/2	3 3/4	5 3/10				
16'-5"	1 1/2	0.719	CP1151 CP1151	344 334	12	1/2 3/8	18	36	3 5/8 N	6 /A	5 3/4	23	4 1/2 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" 17'-5"	1 1/2	0.719	CP1151	334	12	1/2	13	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	1		/A		8	2 5/8	3 15/16	5 7/16	8	3	4 1/2	5 7/16	5	2 2 1/2	3 3/4	5 7/16 5 3/4				
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 5 7/16	14	4 1/8	6 3/16 4 1/2	5 3/4 5 7/16	5	2 1/2	3 3/4	5 7/16				
19'-5"	1 1/2	0.719	CP1151	334 344	11	3/8	12	36	3 5/8	/A 6	5 3/4	7	2 5/8	3 15/16 6 3/4	5 3/4	12	4 1/8	6 3/16		7	2 1/2	3 3/4	5 3/4	1			
19'-5" 20'-5"	1 1/2	0.719	CP1151 CP1152	344	10	3/8	10	30		/A	5 5/4	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	1			
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 1/4	5 3/4 5 7/16	-			
21'-5"	1 1/2	0.656	CP1152	334	9	3/8	10			/A	1 5 3/4	5	2 5/8	3 15/16 6 3/4	5 7/16	9	4 1/8	6 3/16	5 3/4	6	3 1/2	5 1/4	5 3/4	-			
21'-5"	1 1/2	0.656	CP1152	344	9	1/2	18	36	3 5/8	8	5 3/4 5 3/4	12	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	1			
22'-5" 23'-5"	1 1/2 2	0.656	CP1152 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	-	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 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 4 1/2	6 3/4 6 3/4	6 1/4 6 13/16	12	5 1/8	7 11/16	_	10	4	6	6.13/16				
26'-5" 27'-5"	2	1.156	CP1152 CP1152	445	9	5/8	18	28	4 3/8	6	6 13/16 6 13/16		4 1/2	6 3/4	6 13/16		7 1/2	11 1/4	-	9	4	6	6 13/16	]			
27-5	2	1.156	CP1152	445	9	5/8	18	36	4 3/8	8	6 13/16		4 1/2	6 3/4	6 13/16	12	7 1/2	11 1/4		-	4	6	6 13/16	-			
29'-5"	2	1.156	CP1152	445	8	5/8	18	36	4 3/8	8	6 13/16	-	4 1/2	6 3/4	6 13/16	-	7 1/2	11 1/4	6 13/16 6 13/16	-	4	6	6 13/16 6 13/16	-			
30'-5"	2	1.156	CP1152	445	8	5/8	18	28	4 3/8	8 V/A	6 13/16	12	4 1/2	6 3/4 6 3/4	6 13/16 6 13/16			N/A	015/10	7	4	6	6 13/16	1			
31'-5"	2	1.156	CP1152 CP1152 & CP1153	445 445	8	5/8	18			V/A		11	4 1/2	6 3/4	6 13/16			N/A		9	5	7 1/2	6 13/16	]			
32'-5" 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 13/16				
34'-5"	2	1.156	CP1152 & CP1153	445	7	5/8	18			N/A	-	10	4 1/2	6 3/4	6 13/16	-		N/A N/A	_	9	5	7 1/2	6 13/16 6 7/8	-			
35'-5"	2	1.156	CP1152 & CP1153		7	5/8	18		_	N/A N/A		10	4 1/2	6 3/4 6 3/4	6 7/8 6 7/8	-		N/A N/A		8	5	7 1/2	6 7/8				
36'-5" 37'-5"	2	1.156	CP1152 & CP1153 CP1152 & CP1153	546 546	7	5/8	18			N/A	-	9	4 1/2	6 3/4	6 7/8			N/A	-	8	5	7 1/2	6 7/8				
38'-5"	2	1.156	CP1152 & CP1153		7	5/8	17			N/A		8	4 1/2	6 3/4	6 7/8			N/A	_	7	5	7 1/2	6 7/8	-			
39'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	17			N/A		8	4 1/2	6 3/4	6 7/8	-		N/A N/A				N/A N/A		-			
40'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	16		/	N/A /	1	8	4 1/2	6 3/4	6 7/8			N/A									
								11111111111111111111111111111111111111	a	ATRIC CEN 582	K KEL			C	0	R	Innovativ	ve door s	olutions."	MOUN P: 80 F: 80	0.233.83 0.526.08	OP, PA 366 341			dimension tole 0.00 FRACTI ANGLE	ns are in erances : 0 = +/- ( ONAL = S = +/- ^	n inches are: 0.031 = +/- 1/32 1/2 DEG
								ROFUN	S	ORI	OF A.K	Innin I		TITLE:									OOR	DRAWN BY: TJE DWG NO:			: sнее D <b>29/5</b>
									11111	NAL	ENIN			1.1 IF 1.1 K					N-IN					ES	6-16-62	-CIV	V



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\* ORIGINAL ISSUE
A REFORMATTED TABLES;

		_	_			Filled CM	U													Steel - 20 PSI Compres		gth					Steel (Wa	all anchors are t fa	he same o steners)	liameter as a	assembly		Superimpo	osed Loads	5
	-	Hilti Kv	vik Bolt 3		1		Strong-Bolt 2	2	1	Through Bo	lt		Hil	ti Kwik Bolt T	z			Simp	son Strong	-Bolt 2		1	ITW	Redhead Tru	bolt+		w	elded	Through Bolt	Тар	ped		Subcumb		
DBG Jp 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
9'-5"	9	3/8	1 5/8	4 9/16	15	3/8	2 5/8	4 9/16	36	3/8	4 9/16	36	3/8	2 5/16	4	4 9/16	36	3/8	1 7/8	3 1/4	4 9/16	36	3/8	2	4	4 9/16	36	7/16 x 5/8	36	36	3/16	0	95	0	9
9'-5"	12	3/8	2 1/2	5 3/4	8	3/8	2 5/8	5 3/4	36	3/8	5 3/4	22 3/4	3/8	2 5/16	4	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	3/8	2	5	5 3/4	36	7/16 x 5/8	36	36	3/16	0	95	0	-
13'-5"	9	3/8	2 1/2	5 3/16	8	1/2	3 1/2	5 3/16	27	3/8	5 3/16	36	1/2	3 5/8	6	5 3/16	36	3/8	2 7/8	4 1/2	5 3/16	28 1/2	1/2	2 1/2	4	5 3/16	36	7/16 x 5/8	36	27	3/16	333	135	323	1
13'-5"	9	1/2	2 1/2	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	1
14'-5"	8	3/8	2 1/2	5 3/16	12	3/4	5 1/4	5 3/16	23	3/8	5 3/16	36	1/2	3 5/8	6	5 3/16	36	3/8	2 7/8	4 1/2	5 3/16	22 3/4	1/2	3 3/4	6	5 3/16	36	7/16 x 5/8	36	23	3/16	380	145	372	
14'-5"	8	1/2	2 1/4	5 3/4	8	1/2	3 1/2	5 3/4	35	1/2	5 3/4	36	1/2	3 5/8	6	5 3/4	36	1/2	2 3/4	4 1/2	5 3/4	36	1/2	2 1/2	4	5 3/4	36	9/16 x 3/4	36	35	1/4	382	145	372	-
15'-5"	8	1/2	3 1/2	5 3/16	10	3/4	5 1/4	5 3/16	19	3/8	5 3/16	16 1/4	1/2	3 5/8	6	5 3/16	36	1/2	3 7/8	6	5 3/16	22 3/4	1/2	3 3/4	8	5 3/16	30	7/16 x 5/8	30	19	3/16	456	155	449	-
15'-5"	10	1/2	3 1/2	5 3/4	12	3/4	5 1/4	5 3/4	30	1/2	5 3/4	36	1/2	3 5/8	6	5 3/4	36	1/2	2 3/4	4 1/2	5 3/4	22 3/4	1/2	3 3/4	6	5 3/4	36	9/16 x 3/4	36	30	1/4	458	155	449	+
16'-5"	10	3/4	4 3/8	5 3/16	8	3/4	5 1/4	5 3/16	16	3/8	5 3/16	19	1/2	3 5/8	8	5 3/16	28 1/2	3/4	4 1/8	6 3/4	5 3/16	28 1/2	3/4	4 3/8	7	5 3/16	24	7/16 x 5/8	24	16	3/16	559	165	551	+
16'-5"	8	1/2	3 1/2	5 3/4	10	3/4	5 1/4	5 3/4	24	1/2	5 3/4	36	1/2	3 5/8	8	5 3/4	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	551	-
17'-5"	10	3/4	4 3/8	5 7/16	8	3/4	5 1/4	5 7/16	13	3/8	5 7/16	36	3/4	5 9/16	8	5 7/16	22 3/4	3/4	4 1/8	6 3/4	5 7/16	22 3/4	3/4	4 3/8	7	5 7/16	21	7/16 x 5/8	21	13	3/16	658	175	651	+
17'-5"	8	3/4	3 1/4	5 3/4	8	3/4	5 1/4	5 3/4	21	1/2	5 3/4	22 3/4	1/2	3 5/8	8	5 3/4	36	3/4	4 1/8	6 3/4	5 3/4	36	3/4	4 3/8	7	5 3/4	36	9/16 x 3/4	36	21	1/4	659	175	651	+
18'-5"	9	3/4	4 3/8	5 7/16			N/A	1	12	3/8	5 7/16	36	3/4	5 9/16	8	5 7/16	36	3/4	5 3/4	8 3/4	5 7/16	28 1/2	3/4	4 3/8	8	5 7/16	18	7/16 x 5/8	18	12	3/16	756	185	749	+
18'-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	757	185	845	-
19'-5"	8	3/4	4 3/8	5 7/16		1	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	852	195	845	+
19'-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	1/4	853	195 206	993	+
20'-5"	-		I/A	1 - 42		1	N/A		9	3/8	5 7/16			N/A					N/A					N/A			13	7/16 x 5/8	13	9	3/16	1000	206	993	+
20'-5"		N	N/A				N/A		14	1/2	5 3/4			N/A		-		_	N/A					N/A			25	9/16 x 3/4	25	14	1/4	1001	206	1092	+
21'-5"	-	n	N/A			1	N/A		8	3/8	5 7/16			N/A					N/A					N/A			12	7/16 x 5/8	12	8	3/16	1098	216	1092	+
21'-5"		1	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	1199	216	1191	+
22'-5"		1	N/A			-	N/A		11	1/2	5 3/4			N/A					N/A					N/A		1	21	9/16 x 3/4	21	11	5/16	946	235	941	-
23'-5"	-	P	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	6 1/4	36	11/16 x 7/8	36	23	5/16	1024	245	1018	+
24'-5"		P	N/A				N/A		22	5/8	6 1/4			N/A					N/A		_			N/A			36	11/16 x 7/8	36	22	5/16	11024	255	1016	+
25'-5"		P	A/A			1	N/A		20	5/8	6 1/4	1		N/A					N/A			-		N/A			36	11/16 x 7/8	36	20	5/16	1180	265	1175	
26'-5"		1	N/A			4	N/A		23	5/8	6 13/16	1		N/A			36	3/4	5 3/4	8 3/4	6 13/16	5		N/A			36	11/16 x 7/8	36	23	5/16	1260	275	1254	-
27'-5"		P	N/A				N/A		21	5/8	6 13/16			N/A					N/A			-		N/A			36	11/16 x 7/8	36	20	5/16	1339	285	1333	-
28'-5"		r	N/A				N/A		20	5/8	6 13/16			N/A					N/A			-		N/A			36	11/16 x 7/8	34	19	5/16	1420	295	1414	-
29'-5"		1	N/A				N/A		19	5/8	6 13/16			N/A					N/A			-		N/A		-	34	11/16 x 7/8	34	19	5/16	1501	306	1495	
30'-5"		1	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'-5"		1	N/A				N/A		17	5/8	6 13/16	1		N/A					N/A			-		N/A			29	11/16 x 7/8	29	16	5/16	1666	326	1660	
32'-5"		1	N/A				N/A		16	5/8	6 13/16			N/A			-		N/A					N/A			29	11/16 x 7/8	28	15	5/16	1749	336	1743	_
33'-5"	1		N/A				N/A		15	5/8	6 13/16		-	N/A					N/A			-		N/A			28	11/16 x 7/8	26	14	5/16	1834	347	1828	-
34'-5"		1	N/A				N/A		14	5/8	6 13/16			N/A			-		N/A	_		-		N/A N/A			20	11/16 x 7/8	20	13	5/16	1920	357	1913	-
35'-5"		1	N/A			3	N/A		13	5/8	6 7/8			N/A					N/A			-					23	11/16 x 7/8	23	12	5/16	2006	367	2000	
36'-5"		- 1	N/A				N/A		12	5/8	6 7/8			N/A		-			N/A			-		N/A N/A			23	11/16 x 7/8	22	12	5/16	2093	378	2087	-
37'-5"			N/A				N/A		12	5/8	6 7/8			N/A					N/A			-		N/A N/A			22	11/16 x 7/8	-	11	5/16	2182	388	-	
38'-5"			N/A		-		N/A	-	11	5/8	6 7/8			N/A	-				N/A			-		N/A N/A			20	11/16 x 7/8		11	5/16	-	-		_
39'-5"			N/A		1		N/A		11	5/8	6 7/8			N/A	2.5.1	1	•		N/A			-		N/A N/A			19	11/16 x 7/8		10	5/16				
40'-5"			N/A				N/A		10	5/8	6 7/8			N/A		/			N/A			1		IN/A			1 15							_	_





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

REVISION	DATE	BY	E.C.O.
	10/16/14	TJE	1615
HOOD SUPPORT UPDATE	02/14/20	MAN	2027

UNTAINTOP, PA GOO	DYEAR, AZ		ions are in inches & blerances are:
300.233.8366 300.526.0841 ADS@CORNELLIRON.CO	MC	FRAC	000 = +/- 0.031 TIONAL = +/- 1/32 _ES = +/- 1/2 DEG
DATION	DRAWN BY:	SIZE:	SCALE: SHEET:
JRATION	TJE	B	AS NOTED 30/53
STEEL DOOR	DWG NO:		
CT RATED	ES	-16-6	2-CIW

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ORIGINAL ISSUE

REFORMATTED TABLES;

-	1		-					CP0020 -	0.0296 Mi	nimum Thi		anized or St							in the first of the second sec				
						-		-		a serie s	Concret	e Minimum			e Strength (	Anchors are			assembly fa	isteners)			
DBG	Windlock	clie	Mar Hard	Guide	Windlock	Assembly	Assembly		Hilti Kw	vik 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 Di
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 9/1
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	I/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 7/1
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 7/1
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 7/1
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/
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/
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/
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 13/3
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/
24'-5"	2	1.156	CP1152	445	8	5/8	18	1.	N	I/A		11	4 1/2	6 3/4	6 13/16		N	I/A		7	5	7 1/2	6 13/
25 <sup>1</sup> -5"	2	1.156	CP1152 & CP1153	445	8	5/8	18		N	I/A	100	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		N	I/A		9	5	7 1/2	6 7/
27'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18		N	I/A	1	9	4 1/2	6 3/4	6 7/8		N	I/A	_	8	5	7 1/2	6 7/
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		N	I/A		8	2 1/2	3 3/4	6 7/
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	(C)	N	I/A	-	7	2 1/2	3 3/4	6 7/
30'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	16	1.3	N	I/A		8	4 1/2	6 3/4	6 7/8		N	N/A			P	A/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		P	N/A				V/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		N	N/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		N	N/A			r	N/A	
34'-5"	2	1.156	CP1152 & CP1153	648	6	3/4	18		N	I/A		6	4 1/2	6 3/4	6 7/8	1	P	N/A	-		1	N/A	
35'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		N	I/A	9	9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2	1	1	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		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		1	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			N/A	





REVISION	DATE	BY	E.C.O.
	10/16/14	TJE	1615
; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

ELMWOOD AVE 1901 S. INTAINTOP, PA GOO		dimens	otherwise specified, ions are in inches & olerances are:
00.233.8366 00.526.0841 DS@CORNELLIRON.CO	ом	FRAC	000 = +/- 0.031 TIONAL = +/- 1/32 .ES = +/- 1/2 DEG
RATION	DRAWN BY: TJE	SIZE:	SCALE: SHEET: AS NOTED 31/53
STEEL DOOR		-16-6	2-CIW

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ORIGINAL ISSUE REFORMATTED TABLES;

														CP002	0 - 0.0296	Minimum	Thickness G	alvanized	or Stainless	Steel - 30 P	SF, Cont.														
						Filled C	ми								-	C	Cracked Con	crete Minin	mum 3,000	PSI Compre	ssive Streng	gth					Steel (W	all anchors are	the same fasteners)	diameter a	s assembly		Superimpo	osed Loads	
DBG		Hilti Kw	vik Bolt 3			Simpso	n Strong-Bolt	t 2		Through Bo	olt		н	ilti Kwik Bolt	TZ			Simp	oson Strong	-Bolt 2			ITW	Redhead T	rubolt+		W	/elded	Through Bolt	Та	pped	-			
Uр То	Max O.C.	Dia.	Embed	Edge Dist	Max O.C	Dia.	Embed	Edge Dist	Max. O.C.	Dia.	Edge	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"	18	3/8	2 1/2	4 9/16	13	3/8	2 5/8	4 9/16	32	3/8	4 9/16		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			18	3/8	5 3/4		3/8	2 5/16	5	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	14 1/4	3/8	2	5	5 3/4	36	7/16 x 5/8	36	36	3/16	0	113	0	112
13'-5"	9	3/4	4 3/8	5 7/16		1	N/A	1	8	3/8	5 7/16		3/4	5 9/16	8	5 7/16	19	3/4	4 1/8	6 3/4	5 7/16	19	3/4	4 3/8	7	5 7/16	20	7/16 x 5/8	20	13	3/16	677	203	664	203
13'-5"	11	3/4	4 3/8	5 3/4	8	3/4	5 1/4	5 3/4	19	1/2	5 3/4	19	1/2	3 5/8	8	5 3/4	28 1/2	3/4	4 1/8	6 3/4	5 3/4	36	3/4	4 3/8	7	5 3/4	36	9/16 x 3/4	36	20	1/4	680	203	664	203
14'-5"	9	3/4	4 3/8	5 7/16		1	N/A		8	3/8	5 7/16	36	3/4	5 9/16	8	5 7/16	36	3/4	5 3/4	8 3/4	5 7/16	28 1/2	3/4	4 3/8	8	5 7/16	19	7/16 x 5/8	19	12	3/16	723	217	712	218
14'-5"	10	3/4	4 3/8	5 3/4	8	3/4	5 1/4	5 3/4	17	1/2	5 3/4	36	3/4	5 9/16	8	5 3/4	19	3/4	4 1/8	6 3/4	5 3/4	22 3/4	3/4	4 3/8	7	5 3/4	34	9/16 x 3/4	34	19	1/4	726	218	712	218
15'-5"	8	3/4	4 3/8	5 7/16			N/A		7	3/8	5 7/16	28 1/2	3/4	5 9/16	8	5 7/16	36	3/4	5 3/4	8 3/4	5 7/16	1		N/A	1.000		17	7/16 x 5/8	17	11	3/16	818	232	808	233
15'-5"	9	3/4	4 3/8	5 3/4			N/A		15	1/2	5 3/4	36	3/4	5 9/16	8	5 3/4	36	3/4	5 3/4	8 3/4	5 3/4	28 1/2	3/4	4 3/8	8	5 3/4	30	9/16 x 3/4	30	16	1/4	820	233	808	233
16'-5"		N	/A	-			N/A		6	3/8	5 7/16		200	N/A	-	-			N/A	1	-	1.000		N/A			13	7/16 x 5/8	13	9	3/16	1013	248	1003	248
16'-5"	1	N	/A				N/A		12	1/2	5 3/4	1		N/A			36	3/4	5 3/4	8 3/4	5 3/4			N/A			24	9/16 x 3/4	24	13	1/4	1015	248	1003	248
17'-5"		N	/A				N/A		11	1/2	5 3/4		N/A 22 3/4					3/4	5 3/4	8 3/4	5 3/4			N/A			21	9/16 x 3/4	21	12	1/4	1156	263	1145	264
18'-5"		N	/A				N/A		16	5/8	6 1/4		N/A 36					3/4	5 3/4	8 3/4	6 1/4	22 3/4	5/8	4 3/4	6 1/4	6 1/4	36	11/16 x 7/8	36	24	5/16	926	276	918	277
19'-5"		N	/A				N/A		15	5/8	6 1/4	1000	N/A 30						N/A					N/A			36	11/16 x 7/8	36	21	5/16	1036	291	1028	292
20'-5"		N	/A				N/A		16	5/8	6 13/16			N/A			36	3/4	5 3/4	8 3/4	6 13/16			N/A			36	11/16 x 7/8	36	23	5/16	1146	306	1138	307
21'-5"		N	/A				N/A		14	5/8	6 13/16			N/A					N/A					N/A			36	11/16 x 7/8	36	21	5/16	1256	322	1248	323
22'-5"		N	/A				N/A		13	5/8	6 13/16			N/A					N/A					N/A			36	11/16 x 7/8	36	20	5/16	1366	337	1358	338
23'-5"		N	/A	-	-	-	N/A		12	5/8	6 13/16			N/A					N/A					N/A			33	11/16 x 7/8	33	18	5/16	1477	352	1469	353
24'-5"	1	N	/A				N/A		11	5/8	6 13/16			N/A					N/A					N/A			31	11/16 x 7/8	31	17	5/16	1589	367	1581	368
25'-5"		N	I/A				N/A		11	5/8	6 13/16			N/A			16		N/A			1		N/A			28	11/16 x 7/8	28	16	5/16	1702	383	1694	384
26'-5"		N	I/A		1	-	N/A		10	5/8	6 7/8			N/A					N/A	-				N/A			25	11/16 x 7/8	25	14	5/16	1816	398	1808	399
27'-5"		N	I/A				N/A		9	5/8	6 7/8			N/A			-		N/A					N/A			24	11/16 x 7/8	24	13	5/16	1931	413	1923	414
28'-5"		N	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
29'-5"		N	/A				N/A		8	5/8	6 7/8			N/A					N/A					N/A		-	21	11/16 x 7/8	21	11	5/16	2166	444	2157	445
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	2285	459	2277	461
31'-5"		N	/A				N/A		8	5/8	6 7/8			N/A	-				N/A					N/A			19	11/16 x 7/8	19	10	5/16	2406	475	2397	476
32'-5"		N	I/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	2528	491	2519	492
33'-5"	1	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	2652	506	2643	507
34'-5"	1.0	N	I/A				N/A		6	3/4	6 7/8		N/A						N/A					N/A			36	11/16 x 7/8	36	21	3/8	2305	518	2297	519
35'-5"		N	I/A				N/A		9	3/4	7 1/2		N/A						N/A					N/A		-	36	13/16 x 1	36	20	3/8	2411	534	2403	534
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	2519	549	2511	550
37'-5"		N	I/A	-			N/A		8	3/4	7 1/2			N/A					N/A					N/A		-	33	13/16 x 1	33	18	3/8	2628	565	2620	565
38'-5"		N	I/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
39'-5"	-	N	I/A				N/A		8	3/4	7 1/2			N/A	-				N/A			1	_	N/A		-	31	13/16 x 1	31	17	3/8	2849	596	2841	596
40'-5"		N	I/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





CP0020 SLAT NON-IMPA

REVISION	DATE	BY	E.C.O.
	10/16/14	TJE	1615
; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

ELMWOOD AVE 1901 S. JNTAINTOP, PA GOO		dimensi	otherwise s ons are in i lerances ar	nches &
00.233.8366 00.526.0841 .DS@CORNELLIRON.CO	MC	FRAC	000 = +/- 0.0 TIONAL = + .ES = +/- 1/2	/- 1/32
RATION	DRAWN BY: TJE	SIZE:	SCALE: AS NOTED	
STEEL DOOR CT RATED	DWG NO:		2-CIW	02/00

 L'TR
 R

 \*
 ORIGINAL ISSUE

 A
 REFORMATTED TABLES; H

		-						CP0020 -	0.0296 Mi	nimum Thic	kness Galv	anized or St	a ness ste	Comprossive	Strongth (	Anchors are	the same d	liameter as a	assembly fa	steners)			
_		-								1.0.0.0	Concret	e Minimum		Wedge All	e Strengtin (		Red Head				Powers V	Vedge-Bolt	in the second second
DBG	Windlock Flat	Slip	Windlock	Guide	Windlock Weld	Assembly Fastener	Assembly Fastener			Nin. Wall	Edge Dict	Max O.C.	Embed	Min. Wall	Edge Dist	Max O.C.	Embed	Min. Wall	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dis
Up To	Location			Assembly	Pitch	Diameter	Spacing	Max O.C.	Embed	Thick.	-		1.000	Thick.				Thick.	4 9/16	22	2	3	4 9/16
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 1/2	5 3/4	32	3 1/2	5 1/4	5 3/4
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	-	4 1/2	5 7/16	7	3 1/2	5 1/4	5 7/16
13'-5"	1 3/8	0.531	CP1152	334	10	3/8	10		N	I/A		5	2 5/8	3 15/16	5 7/16	6	3		5 3/4	8	3 1/2	5 1/4	5 3/4
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	3 3/4	7	3 1/2	5 1/4	5 7/10
14'-5"	1 1/2	0.656	CP1152	334	10	3/8	9		N	I/A		5	2 5/8	3 15/16	5 7/16			/A	5 3/4	8	3 1/2	5 1/4	5 3/4
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	6 1/4	9	4	6	6 1/4
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 13/16	10	4	6	613/1
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 13/1
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		9	4	6	613/1
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	8	4	6	6 13/1
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	7	4	6	6 13/1
20'-5"	2	1.156	CP1152	445	8	5/8	18		1	N/A		11	4 1/2	6 3/4	6 13/16			I/A		9	- 4	7 1/2	6 7/8
21'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18		1	A/A		10	4 1/2	6 3/4	6 7/8			I/A		8	5	7 1/2	6 7/
22'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18		- 1	N/A		10	4 1/2	6 3/4	6 7/8		-	N/A		8	5	7 1/2	6 7/
23'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	-	- 1	A/A		9	4 1/2	6 3/4	6 7/8			N/A	-	7	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	_	1	-	N/A	1011
25'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	16			N/A		8	4 1/2	6 3/4	6 7/8			N/A		-		N/A	
26'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15			N/A		7	4 1/2	6 3/4	6 7/8			N/A		-		N/A	
27'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14			N/A		7	4 1/2	6 3/4	6 7/8		-	N/A	1 /2	-		N/A	-
28'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		-	N/A		10	5	7 1/2	7 1/2	11	6 5/8	9 15/16		-		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	-			N/A	-
30'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18			N/A	12 A.	9	5	7 1/2	7 1/2	10	6 5/8	9 15/16		-		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		-		N/A N/A	
32'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	12		N/A		8	5	7 1/2	7 1/2	7	6 5/8	9 15/16		-		N/A N/A	
33'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18			N/A		7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2	-		N/A 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	





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

REVISION	DATE	BY	E.C.O.
	10/16/14	TJE	1615
HOOD SUPPORT UPDATE	02/14/20	MAN	2027

ELMWOOD AVE 1901 S. UNTAINTOP, PA GOO	LITCHFIELD RD DYEAR, AZ	dimensi	otherwise specified, ions are in inches & olerances are:
800.233.8366 800.526.0841 ADS@CORNELLIRON.CO	OM	FRAC	000 = +/- 0.031 TIONAL = +/- 1/32 LES = +/- 1/2 DEG
JRATION	DRAWN BY:	SIZE:	SCALE: SHEET:
그 집 말 것 같아요. 너희 나는 것 같아.	TJE	B	AS NOTED 33/53
STEEL DOOR	DWG NO:		0.004/
CT RATED	ES ES	-16-6	2-CIW

															CP	0020 - 0.029	6 Minimu	m Thicknes	s Galvanize	d or Stainle	ss Steel -	40 PSF,	Cont.														
			1			Filled	сми											Cracked (	Concrete Mi	nimum 3,00	00 PSI Cor	mpressiv	e Strengt	th					Steel (V	/all anchors are	e the same of fasteners)	Jiameter as	assembly		Superimpo	osed Loads	
DBG		Hilti Kw	ik Bolt 3			Simps	on Strong-Bo	t 2		Thre	ough Bol	t		H	ilti Kwik B	olt TZ	1		Si	mpson Stro	ng-Bolt 2				ITW	Redhead Tr	ubolt+		V	Velded	Through Bolt	Та	pped		Soberunbe		
Uр То	Max O.C.	Dia.	Embed	Edge Dist	Max O.C	. Dia	a. Embe	d Edge D	ist Max	ĸ. O.C.	Dia.	Edge Distance	Max O.C.	Dia.	Embed	Min Wa Thick.	II Edge D	st Max O	.C. Dia.	Ember		Wall Ec	dge 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"	16	3/8	2 1/2	4 9/16	11	3/8	8 2 5/8	4 9/1	6 3	28	3/8	4 9/16	36	3/8	2 5/16	5 4	4 9/1	5 36	3/8	1 7/8	3 3 1	1/4 4	4 9/16	36	3/8	2	5	4 9/16	36	7/16 x 5/8	36	36	3/16	0	130	0	129
6'-5"	9	3/8	2 1/2	5 3/4	15	3/4	4 5 1/4	5 3/4		16	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	3 4 1	1/2	5 3/4	36	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	130	0	129
13'-5"		N,	/A		1		N/A			5	3/8	5 7/16			N/A			22 3/	4 3/4	5 3/4	1 83	3/4 5	5 7/16			N/A			13	7/16 x 5/8	13	8	3/16	1022	270	1006	271
13'-5"		N,	/A				N/A		1	12	1/2	5 3/4			N/A			36	3/4	5 3/4	1 83	3/4	5 3/4			N/A			24	9/16 x 3/4	24	13	1/4	1024	271	1006	271
14'-5"		N,	/A				N/A	-		5	3/8	5 7/16			N/A					N/A						N/A			13	7/16 x 5/8	13	8	3/16	1067	290	1054	291
14'-5"		N,	/A				N/A			12	1/2	5 3/4			N/A			28 1/	2 3/4	5 3/4	4 83	3/4	5 3/4	-		N/A			23	9/16 x 3/4	23	12	1/4	1070	291	1054	291
15'-5"		N	/A				N/A		1	14	5/8	6 1/4			N/A		4 3/4	5 3/4	1 83	3/4	6 1/4			N/A			36	11/16 x 7/8	36	20	5/16	1127	309	1112	310		
16'-5"		N,	/A				N/A	-	1	15	5/8	6 13/16			N/A 36					5 3/4	4 83	3/4 6	5 13/16			N/A			36	11/16 x 7/8	36	23	5/16	1183	329	1170	330
17'-5"			/A				N/A		1	15	5/8	6 13/16			N/A					N/A						N/A			36	11/16 x 7/8		23	5/16	1156	348	1146	349
18'-5"			/A				N/A		1	14	5/8	6 13/16		N/A						N/A						N/A		-	36	11/16 x 7/8		21	5/16	1297	368	1287	370
19'-5"			/A			-	N/A	-	1	12	5/8	6 13/16		N/A						N/A						N/A			34	11/16 x 7/8		19	5/16	1437	389	1427	390
20'-5"			/A				N/A		1	11	5/8	6 13/16			N/A	-				N/A	-		_			N/A		-	31	11/16 x 7/8	-	17	5/16	1579	409	1568	410
21'-5"	1		/A				N/A		1	10	5/8	6 7/8			N/A			-		N/A						N/A			27	11/16 x 7/8		15	5/16	1720	429	1710	431
22'-5"			/A				N/A	_	1	10	5/8	6 7/8			N/A					N/A						N/A			25	11/16 x 7/8		13	5/16	1863	450	1853	451
23'-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	2008	470	1997	471
24'-5"			/A			-	N/A			8	5/8	6 7/8			N/A					N/A		_	_		_	N/A			21	11/16 x 7/8		12	5/16	2154	490	2143	492
25'-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	2302	511	2291	512
26'-5"			/A		-		N/A			7	5/8	6 7/8		_	N/A	-				N/A						N/A			19	11/16 x 7/8		10	5/16	2451	531	2440	533
27'-5"			/A				N/A			7	5/8	6 7/8			N/A					N/A						N/A			18	11/16 x 7/8		9	5/16	2603	552	2592	554
28'-5"			/A		-		N/A	_	1	10	3/4	7 1/2		N/A						N/A						N/A			36	13/16 x 1	36	21	3/8	2282	570	2272	570
29'-5"			/A				N/A		-	9	3/4	7 1/2	N/A						N/A						N/A			36	13/16 x 1	36	20	3/8	2413	590	2403	591	
30'-5"	-		/A				N/A	-	-	9	3/4	7 1/2		N/A					-	N/A						N/A			34	13/16 x 1	34	18	3/8	2545	610	2535	611
31'-5"			/A		-		N/A			8	3/4	7 1/2		N/A						N/A						N/A			33	13/16 x 1	33	18	3/8	2679	631	2669	632
32'-5"			/A				N/A		-	8	3/4	7 1/2			N/A		-	-		N/A						N/A			31	13/16 x 1	31	17	3/8	2815	652	2804	652
33'-5"			/A			_	N/A	-		7	3/4	7 1/2			N/A					N/A		_				N/A	-		30	13/16 x 1	30	16	3/8	2952	672	2942	673
34'-5"		N,	/A				N/A			7	3/4	7 1/2			N/A				_	N/A	-				_	N/A			28	13/16 x 1	28	15	3/8	3091	693	3080	693





CP0020 SLAT NON-IMPA

REVISION	DATE	BY	E.C.O.
	10/16/14	TJE	1615
; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

ELMWOOD AVE 1901 S. JNTAINTOP, PA GOO	and the second	dimensi	otherwise specified, ons are in inches & olerances are:
00.233.8366 00.526.0841 DS@CORNELLIRON.CO	ом	FRAC	000 = +/- 0.031 TIONAL = +/- 1/32 .ES = +/- 1/2 DEG
RATION	DRAWN BY: TJE	SIZE:	SCALE: SHEET: AS NOTED 34/53
STEEL DOOR CT RATED	DWG NO: ES	-16-6	2-CIW

### L'TR

\* ORIGINAL ISSUE

A REFORMATTED TABLES

							_	CP0020 -	0.0296 Mi	inimum Thio										_
						1.1.1.1					Concret	e Minimum	3,000 PSI	Compressive	Strength (	Anchors are	the same (	diameter as	assembly fa	asteners
DBG	Windlock			Guide	Windlock	Assembly	Assembly		Hilti Kw	vik Bolt 3			Simpson	Wedge All			Red Hea	d Tru-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 C
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
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
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	N/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
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	N/A	_	7
17'-5"	2	1.156	CP1152	445	8	5/8	18					12	4 1/2	6 3/4	6 13/16		D	A/N		7
18'-5"	2	1.156	CP1152 & CP1153	546	8	5/8	18	N/A 11				11	4 1/2	6 3/4	6 7/8		P	N/A		9
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		٨	N/A		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		n	N/A		8
21'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	16		N	I/A		8	4 1/2	6 3/4	6 7/8		P	N/A		7
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		r	N/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		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		1	N/A		
26'-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	
27'-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
28'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18	1	N	I/A		8	5	7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2	
29'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	17	1	N	I/A		7	5	7 1/2	7 1/2		r	N/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	N/A		1

					F	Filled CMU						Steel (Wa	all anchors are	the same d asteners)	iameter as	assembly		Superimpo	sheel bea	
DBG		Hilti K	wik Bolt 3		9	Simpson S	trong-Bolt 2	er 11	т	hrough Bo	lt	W	elded	Through Bolt	Тар	ped		Superimpo	Iseu Loaus	
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"	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			N	/A	22.1	12	5/8	6 13/16	33	11/16 x 7/8	33	18	5/16	1476	387	1458	388
16'-5"		-	N/A		1	N	/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		1.222	N	/A		12	5/8	6 13/16	32	11/16 x 7/8	32	18	5/16	1498	435	1485	437
18'-5"			N/A			N	/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			N	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			N	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			N	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		1	N	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			N	I/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	100		N	I/A		8	3/4	7 1/2	15	13/16 x 1	15	15	3/8	2398	636	2387	636
26'-5"			N/A			P	I/A	1	8	3/4	7 1/2	34	13/16 x 1	34	18	3/8	2555	662	2543	662
27'-5"	-		N/A			P	I/A		8	3/4	7 1/2	32	13/16 x 1	32	17	3/8	2712	687	2700	688
28'-5"	1		N/A			P	I/A		8	3/4	7 1/2	30	13/16 x 1	30	16	3/8	2872	713	2860	714
29'-5"			N/A			P	I/A		7	3/4	7 1/2	29	13/16 x 1	29	15	3/8	3034	739	3022	739
30'-5"			N/A			P	I/A		7	3/4	1 1/2	27	13/16 x 1	27	15	3/8	3198	764	3186	765





NON-INSULATED ROLLING

RE	VISION	(			DATE	BY	E.C.O.
					10/16/14	TJE	1615
; HC	OD SU	PPORT	UPD,		02/14/20	MAN	2027
ers)			-				
_		/edge-Bolt					
x O.C.	Embed	Min. Wall Thick.	Edge Dis				
21 30	2 3 1/2	3 5 1/4	4 9/16				
	1	/A					
8	4	6	6 13/16				
7	4	6	6 13/10				
9	5	7 1/2	6 7/8				
8	5	7 1/2	6 7/8				
8	5	7 1/2	6 7/8				
7	5 N	7 1/2	6 7/8				
-		/A	-				
		/A	_				
-		/A //A					
_		I/A					
-		I/A					
	N	I/A	-				
	WOOD AINTOF				Unless oth dimensior tole		inches &
00.2	233.836 26.084 @CORM	1	ON.CO		FRACTI	0 = +/- 0. ONAL = - S = +/- 1/	+/- 1/32 /2 DEG
	2			NBY:	SIZE:	SCALE:	IOI IFFT.
	ATIO			JE	1		35/53
	ATIO EEL	DO		JE	1	AS NOTED	35/53

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ORIGINAL ISSUE

REFORMATTED TABLES;

								CP0020 -	0.0296 Mi	nimum Thio		anized or St					_			
-		11.11.10	1.	1.1.1.1.1.1.1		11 - 11	· · · · · · · ·				Concret	e Minimum	3,000 PSI	Compressive	Strength (	Anchors are	the same of	diameter as	assembly f	asteners)
	Windlock		11		Windlock	Assembly	Assembly		Hilti Kv	ik Bolt 3		1	Simpson	Wedge All				d Tru-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.
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
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
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		-
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	I/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	I/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	I/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	I/A		
19'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	16	1	N	I/A		8	4 1/2	6 3/4	6 7/8		N	I/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		N	N/A		
21'-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	N/A		1
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	N/A		
26'-5"	2 1/2	1.656	CP1152 & CP1153	648	5	3/4	16		n	I/A		7	5	7 1/2	7 1/2		N	N/A		-

							CP0020 - 0	.0296 Minin	num Thickne	ess Galvan	ized or Stain	nless Steel -	60 PSF, Cont.						_	
6 F						Filled CMU	J					Steel (Wa	III anchors are f	the same d asteners)	liameter as	assembly		Superimpo	sed Loads	
DBG		Hilti K	wik Bolt 3			Simpson S	trong-Bolt 2	2	т	hrough Bo	olt	w	elded	Through Bolt	Тар	oped				
Up 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"	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		1.2	0	I/A		8	1/2	5 3/4	12	9/16 x 3/4	12	12	1/4	1756	436	1735	436
15'-5"		-	N/A			n	N/A	1.0	10	5/8	6 7/8	25	11/16 x 7/8	25	14	5/16	1825	465	1804	466
16'-5"			N/A		1	1	N/A		10	5/8	6 7/8	24	11/16 x 7/8	24	13	5/16	1892	494	1874	496
17'-5"	1		N/A			1	A/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		1 - 2	1	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			ŗ	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			1	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	-		1	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			1	N/A		8	3/4	7 1/2	15	13/16 x 1	15	15	3/8	2898	764	2883	765
26'-5"	-		N/A	-		1	N/A	-	7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	3083	795	3069	796





REVISION	and a second		
	DATE	BY	E.C.O.
	10/16/14	TJE	1615
S; HOOD SUPPORT UPDATE	02/14/20	MAN	2027
rs) Powers Wedge-Bolt			
O.C. Embed Min. Wall Edge Dist			
7 2 3 4 9/16			
15 3 1/2 5 1/4 5 3/4 N/A			
N/A N/A			
N/A			
N/A N/A			
N/A.			
N/A N/A			
N/A			
N/A			
ELMWOOD AVE 1901 S. LITCHFIELD DUNTAINTOP, PA GOODYEAR, A	Z dimension		inches &
	Z dimension tole 0.00 FRACTI	ns are in	inches & are: .031 +/- 1/32
BUNTAINTOP, PA GOODYEAR, A 800.233.8366 800.526.0841 ADS@CORNELLIRON.COM	Z dimension tole 0.00 FRACTI ANGLE Y: SIZE:	ns are in erances a 0 = +/- 0 ONAL = S = +/- 1 SCALE:	inches & are: .031 +/- 1/32 /2 DEG SHEET:
BUNTAINTOP, PA GOODYEAR, A 800.233.8366 800.526.0841 ADS@CORNELLIRON.COM JRATION STEEL DOOR DWG NO:	Z dimension tole 0.00 FRACTI ANGLE Y: SIZE:	hs are in prances a 0 = +/- 0 ONAL = S = +/- 1 SCALE: AS NOTE	inches & are: .031 +/- 1/32 /2 DEG SHEET: 036/53

## L'TR \* ORIGINAL ISSUE

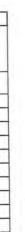
					1			1			Concret	e Minimum	3,000 PSI	Compressive	Strength (A	Anchors are	the same o	liameter as	assembly fa	isteners)	_		
	ine divide			1.000	Windlock	Assembly	Assembly		Hilti Ky	vik Bolt 3			Simpson	Wedge All			Red Hea	d Tru-Bolt				Vedge-Bolt	
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Weld	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.	
4'-5"	N/A	N/A	N/A	333*	N/A	3/8	24	36	2 3/8	4	4 9/16	25	2 5/8	3 15/16	4 9/16	26	3	4 1/2	4 9/16	20	2	3	4 9/16
4'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	14	2 5/8	3 15/16	5 3/4	14	3	4 1/2	5 3/4	28	3 1/2	5 1/4	5 3/4
14'-5"	1 1/2	0.656	CP1152 & CP1153	DC1	8	1/2	12	8	3 1/2	5 1/4	5 3/4	8	4 1/2	6 3/4	5 3/4		N	/A			N	I/A	
14-5	1 5/8	0.030	CP1152 & CP1153	546	7	5/8	18	-		I/A		9	4 1/2	6 3/4	6 7/8		N	/A		8	5	7 1/2	6 7/8
16'-5"	1 3/4	0.906	CP1152 & CP1153	546	7	5/8	17	-	N	I/A		9	4 1/2	6 3/4	6 7/8		N	I/A		8	5	7 1/2	6 7/8
	1 5/4		CP1152 & CP1153	546	7	5/8	17	-	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			7	5/8	16			I/A		8	4 1/2	6 3/4	6 7/8		N	I/A			N	N/A	
18'-5"	2	1,156	CP1152 & CP1153	546	/			-		0.04	_	0									N	N/A	
19'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	14		N	N/A	-	7	4 1/2	6 3/4	6 7/8	2		I/A		-			
20'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	13	N/A			7	4 1/2	6 3/4	6 7/8			I/A			-	A/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	I/A			N	N/A	

						Filled CMU	2					Steel (Wa	all anchors are	the same d asteners)	iameter as	assembly		Superimpo	sed Loads	
DBG		Hilti K	wik Bolt 3		10.000	Simpson Si	trong-Bolt 2		T	hrough Bo	lt	W	elded	Through Bolt	Тар	ped		Seberuite		
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"		8 3/8 2 1/2 5 3/4 13 3/4 5 1/4 5 N/A N/A					8	1/2	5 3/4	12	9/16 x 3/4	12	12	1/4	1928	473	1906	473		
15'-5"			N/A		-	N	I/A		9	5/8	6 7/8	23	11/16 x 7/8	23	13	5/16	2000	504	1977	506
16'-5"			N/A			N	I/A		9	5/8	6 7/8	22	11/16 x 7/8	22	12	5/16	2070	536	2050	538
17'-5"			N/A			N	I/A		9	5/8	6 7/8	23	11/16 x 7/8	23	12	5/16	2010	566	1994	568
18'-5"									8	5/8	6 7/8	21	11/16 x 7/8	21	11	5/16	2224	599	2209	602
19'-5"		N/A N/A N/A N/A					7	5/8	6 7/8	19	11/16 x 7/8	19	10	5/16	2441	633	2425	635		
20'-5"		1911						7	5/8	6 7/8	17	11/16 x 7/8	17	9	5/16	2660	666	2644	668	
25'-5"		N/A N/A N/A N/A						8	3/4	7 1/2	15	13/16 x 1	15	15	3/8	3147	828	3132	829	





REVISION	DATE	BY	E.C.O.
	10/16/14	TJE	1615
; HOOD SUPPORT UPDATE	02/14/20	MAN	2027



ELMWOOD AVE 1901 S. DUNTAINTOP, PA GOO	LITCHFIELD RD DYEAR, AZ	dimensi	otherwise specified, ions are in inches & blerances are:
800.233.8366 800.526.0841 ADS@CORNELLIRON.C0	OM	FRAC	000 = +/- 0.031 TIONAL = +/- 1/32 _ES = +/- 1/2 DEG
JRATION	DRAWN BY: TJE	SIZE: B	SCALE: SHEET: AS NOTED 37/53
STEEL DOOR	DWG NO: ES	-16-6	2-CIW

		_		-	-	-	-	CP0020 -	0.0296 Mi	nimum Thio	Concret	e Minimum	3.000 PSI	Compressive	Strength (	Anchors are	the same d	liameter as	assembly fa	steners)			
_							1	-		vik Bolt 3	concret			Wedge All				Tru-Bolt		10.00		Vedge-Bolt	
DBG Up To	Windlock Flat	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.	
	Location			2228	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	333*				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
4'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	30		4	5 5/4	9	4 1/2	6 3/4	6 7/8		N	/A		7	5	7 1/2	6 7/8
14'-5"	1 1/2	0.656	CP1152 & CP1153	546	7	5/8	18			I/A		-					-	/A	-	7	5	7 1/2	6 7/8
15'-5"	1 5/8	0.781	CP1152 & CP1153	546	7	5/8	17	-	N/A			8	4 1/2	6 3/4	6 7/8	-						I/A	1
16'-5"	1 3/4	0.906	CP1152 & CP1153	546	6	5/8	16	1	N/A			8	4 1/2	6 3/4	6 7/8			/A		-		I/A	
17'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	16		N	I/A		8	4 1/2	6 3/4	6 7/8			I/A					
18'-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/A	
	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	I/A			-	N/A	
19'-5"	2			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	-
20'-5"	2 1/2	1.656	CP1152 & CP1153		-					I/A		8	5	7 1/2	7 1/2	8	6 5/8	9 15/16	7 1/2		1	N/A	
21'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18					-		7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2			N/A	
22'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18			N/A		8	5	-		0	6 5/8	9 15/16				N/A	
23'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	17		N	N/A		7	5	7 1/2	7 1/2	5			1 1/2			N/A	
24'-5"	2 1/2	1.656	CP1152 & CP1153	648	5	3/4	16		٩	N/A		7	5	7 1/2	7 1/2		N	N/A					-

	1												70 PSF, Cont. all anchors are	the come d	liamotor as	accombly				
_					F	Filled CMU						Steel (Wa		asteners)	nameter as	assembly		Superimpo	sed Loads	
500		Hilti Kv	vik Bolt 3		1	Simpson S	trong-Bolt 2		T	hrough Bo	olt	w	elded	Through Bolt	Тар	oped				
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.	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
	•			3 3/4					9	5/8	6 7/8	22	11/16 x 7/8	22	12	5/16	2112	508	2084	510
14'-5"		N/A         N/A           N/A         N/A					8	5/8	6 7/8	21	11/16 x 7/8	21	11	5/16	2174	543	2150	545		
15'-5"		N/A N/A N/A N/A					8	5/8	6 7/8	20	11/16 x 7/8	20	11	5/16	2247	577	2226	579		
16'-5"							V/A		8	5/8	6 7/8	21	11/16 x 7/8	21	11	5/16	2180	610	2164	612
17'-5"			N/A	-			N/A			5/8	6 7/8	19	11/16 x 7/8	19	10	5/16	2410	646	2393	648
18'-5"	-		N/A						/	5/8	6 7/8	17	11/16 x 7/8	17	9	5/16	2642	682	2625	684
19'-5"			N/A		-		N/A		/	3/4	7 1/2	36	13/16 x 1	36	20	3/8	2367	714	2352	715
20'-5"		_	N/A				N/A		9		7 1/2	34	13/16 x 1	34	18	3/8	2568	750	2552	750
21'-5"		N/A					N/A	_	8	3/4				31	17	3/8	2771	785	2755	786
22'-5"		N/A				1	N/A		8	3/4	7 1/2	31	13/16 x 1			3/8	2976	821	2961	822
23'-5"	N/A					1	N/A	_	7	3/4	7 1/2	29	13/16 x 1	29	16			857	3169	858
24'-5"	-		N/A				N/A		7	3/4	71/2	27	13/16 x 1	27	15	3/8	3185	657	5109	030





REVISION	DATE	BY	E.C.O.
	10/16/14	TJE	1615
HOOD SUPPORT UPDATE	02/14/20	MAN	2027

ELMWOOD AVE 1901 S.I UNTAINTOP, PA GOO	LITCHFIELD RD DYEAR, AZ	dimensi	otherwise specified, ions are in inches & olerances are:
800.233.8366 800.526.0841 ADS@CORNELLIRON.CO	ОМ	FRAC	000 = +/- 0.031 TIONAL = +/- 1/32 .ES = +/- 1/2 DEG
JRATION	DRAWN BY: TJE	SIZE: B	SCALE: SHEET: AS NOTED 38/53
STEEL DOOR		-16-6	2-CIW

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Α

ORIGINAL ISSUE

								CP0020 -	0.0296 Mi	nimum Thio	kness Galv	anized or St	ainless Ste	el - 80 PSF					_				
1.0										1.00	Concret	te Minimum	3,000 PSI	Compressive	Strength (	Anchors are	the same o	diameter as	assembly fa	steners)			
DBG	Windlock	1.00	1.5-55.211	Guide	Windlock	Assembly	Assembly		Hilti Kw	vik Bolt 3			Simpson	Wedge All				d Tru-Bolt		5.00		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
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	1000	N/A			7	4 1/2	6 3/4	6 7/8		N	/A			N	I/A	
15'-5"	1 5/8	0.781	CP1152 & CP1153	546	6	5/8	15		N	I/A		7	4 1/2	6 3/4	6 7/8		N	/A			N	I/A	
16'-5"	1 3/4	0.906	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	
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	/A		-	N	I/A	
18'-5"	2 1/8	1.281	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	-
19'-5"	2 3/8	1.531	CP1152 & CP1153	648	6	3/4	18	N/A		8	5	7 1/2	7 1/2	8	6 5/8	9 15/16	7 1/2		N	I/A			
20'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		N/A			8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2		N	I/A	-
21'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	16	-	N	I/A		7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2		N	I/A	

					0	Filled CML	,					Steel (Wa	all anchors are	the same d fasteners)	liameter as	assembly		Superimpo	sheel heads	
DBG		Hilti K	wik Bolt 3			Simpson S	trong-Bolt 2	2	т	hrough Bo	olt	w	elded	Through Bolt	Тар	oped		Superimpt	iseu 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"	11	3/8	2 1/2	4 9/16	8	3/8	2 5/8	4 9/16	20	3/8	4 9/16	36	7/16 x 5/8	36	36	3/16	0	180	0	177
4'-5"	8	3/4	3 1/4	5 3/4	10	3/4	5 1/4	5 3/4	11	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	180	0	177
14'-5"		N/A N/A					7	5/8	6 7/8	19	11/16 x 7/8	19	10	5/16	2458	581	2427	584		
15'-5"			N/A			N	I/A		7	5/8	6 7/8	18	11/16 x 7/8	18	10	5/16	2523	621	2496	623
16'-5"			N/A			N	I/A		7	5/8	6 7/8	18	11/16 x 7/8	18	10	5/16	2602	660	2578	662
17'-5"			N/A			N	I/A		7	5/8	6 7/8	18	11/16 x 7/8	18	10	5/16	2522	698	2503	700
18'-5"			N/A			N	I/A		8	3/4	7 1/2	33	13/16 x 1	33	18	3/8	2637	739	2612	740
19'-5"		N/A N/A N/A					8	3/4	7 1/2	33	13/16 x 1	33	18	3/8	2615	777	2596	778		
20'-5"	- X	N/A N/A						8	3/4	7 1/2	32	13/16 x 1	32	17	3/8	2727	816	2709	817	
21'-5"			N/A			N	I/A	-	7	3/4	7 1/2	29	13/16 x 1	29	16	3/8	2954	857	2936	858





REVISION	DATE	BY	E.C.O.
	10/16/14	TJE	1615
; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

ELMWOOD AVE 1901 S. JNTAINTOP, PA GOO		dimens	otherwise specified, ions are in inches & olerances are:
00.233.8366 00.526.0841 .DS@CORNELLIRON.C0	OM	FRAC	000 = +/- 0.031 TIONAL = +/- 1/32 .ES = +/- 1/2 DEG
RATION	DRAWN BY: TJE	SIZE:	SCALE: SHEET: AS NOTED 39/53
STEEL DOOR	DWG NO:	-16-6	2-CIW

Т	'TR	1			_	REV	ISION				DATE	BY	E.C.O.
F	*	-						-			10/16/14	TJE	1615
+	A	1.56		L ISSU		ES; HO		DDODT		TE	02/14/20	MAN	2027
_		-								]			
th (	Ancho			iameter as Tru-Bolt	assembly fa	steners)	Powers W	/edge-Bolt	-				
				Min. Wall	Edge Dist	Max O.C.	Embed	Min. Wall	Edge Dist				
Dist			Embed	Thick.	4 9/16	14	2	Thick.	4 9/16	-			
16	-	.8	3	4 1/2 4 1/2	5 3/4	20	3 1/2	5 1/4	5 3/4				
8				/A	-		N	I/A		1			
12		7	6 5/8	9 15/16	7 1/2			I/A					
2		6	6 5/8	9 15/16	7 1/2	-		I/A I/A		-			
12	+	5	6 5/8 6 5/8	9 15/16 9 15/16	7 1/2			1/A		1			
/2	+	5	6 5/8	9 15/16	7 1/2		N	I/A		1			
/2			N	I/A			P	N/A					
3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3		0 2819 2886 2970 2875 2989 2963	200 200 655 700 74 78 833 83	3         0           7         277           1         284           5         293           7         284           2         299	19 72 65 45 70 33 74 45 78 62 83	9 8 22 66 88 83							
3	/8	3086	91	9 30	67 93	20							
	R	Inne	ovative	door sole	utions."	24 ELM MOUNT P: 800.3 F: 800.4 E: ADS	AINTO 233.836 526.084	P, PA 66	GOO	ITCHFIELD F DYEAR, AZ	dimension to 0.0 FRACT	ons are ir lerances 00 = +/- ( TIONAL = ES = +/-	0.031 = +/- 1/32 1/2 DEG
					NFI	GUR	ATIC	N	- 21	DRAWN BY		1	: SHEET
						G ST PAC				DWG NO:	S-16-6	2-CIV	V
	20	OL.	/ \ 1	1101									

								CP0020 -	0.0296 Mi	inimum Thio	kness Galv	anized or St	ainless Ste	el - 90 PSF			-		11.6	
					10000					1	Concret	e Minimum	3,000 PSI (	Compressive	Strength (	Anchors are	the same	diameter as	assembly fa	asteners)
-				-	Mindlack	Assembly	Assembly		Hilti Ky	vik Bolt 3			Simpson	Wedge All		1	Red Hea	d Tru-Bolt		
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Weld	Fastener Diameter	Fastener	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
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
		1.42.5		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
4'-5"	N/A	N/A	CP0417		12			11		1/1	5 5/1	6	4 1/2	6 3/4	6 7/8		1	N/A	A second second	
14'-5"	1 1/2	0.656	CP1152 & CP1153	648	6	3/4	18			N/A	-	-	4 1/2				-	9 15/16	7 1/2	-
15'-5"	1 5/8	0.781	CP1152 & CP1153	648	6	3/4	18		1	N/A		8	5	7 1/2	7 1/2	1	6 5/8			-
16'-5"	1 3/4	0.906	CP1152 & CP1153	648	6	3/4	18		N	V/A		8	5	7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2	-
	1 3/4					3/4	18		N	N/A		8	5	7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2	-
17'-5"	2	1.156	CP1152 & CP1153	648	6	5/4						-	-		7.1/2	r.	6 5/8	9 15/16	7 1/2	
18'-5"	2 1/8	1.281	CP1152 & CP1153	648	6	3/4	17		1	N/A		7	5	7 1/2	7 1/2	5				-
19'-5"	2 3/8	1.531	CP1152 & CP1153	648	6	3/4	16		٩	N/A		7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2	-
20'-5"	2 1/2	1.656	CP1152 & CP1153	648	5	3/4	16	-	P	N/A		7	5	7 1/2	7 1/2			N/A	_	

.

						Filled CMU	r					Steel (Wa	all anchors are f	the same d asteners)	iameter as	assembly		Superimpo	sed Loads	
DBG		Hilti K	wik Bolt 3			Simpson S	trong-Bolt 2		T	rough Bo	lt	w	elded	Through Bolt	Тар	ped	_	Soberunbe		
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
4-5	12		N/A	5 5/4	-		1/A	1	6	3/4	6 7/8	31	11/16 x 7/8	31	17	3/8	2819	657	2772	658
	-		N/A				I/A		8	3/4	7 1/2	30	13/16 x 1	30	16	3/8	2886	701	2845	702
15'-5"					-		V/A		8	3/4	7 1/2	29	13/16 x 1	29	16	3/8	2970	745	2933	746
16'-5"			N/A	_			V/A	-	-	3/4	7 1/2	30	13/16 x 1	30	16	3/8	2875	787	2845	788
17'-5"			N/A				*		8	3/4	7 1/2	29	13/16 x 1	29	16	3/8	2989	832	2962	833
18'-5"			N/A				N/A		7		-				16	3/8	2963	875	2941	876
19'-5"			N/A			٢	N/A		7	3/4	7 1/2	29	13/16 x 1	29		-				920
20'-5"		6	N/A			1	N/A		7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	3086	919	3067	920

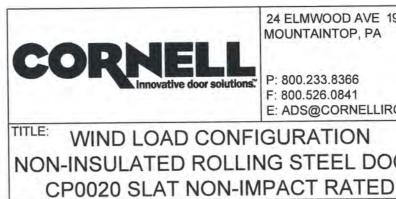




L'TR F \* ORIGINAL ISSUE A REFORMATTED TABLES;

								CP0020 -	0.0405 Mi	nimum Thio	kness Galv	anized or St	ainless Ste	el - 20 PSF									
						1.1.1.1					Concret	e Minimum			e Strength (A	Anchors are			assembly fa	isteners)		Vedee Delt	
DBG	Windlock		- Contractor	Guide	Windlock	Assembly	Assembly		Hilti Kw	ik Bolt 3			Simpson	Wedge All			Red Head	-	-		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		Embed	Min. Wall Thick.	Edge Dis
10'-5"	N/A	N/A	N/A	333*	N/A	3/8	24	36	2 3/8	4	4 9/16	35	2 5/8	3 15/16	4 9/16	36	3	4 1/2	4 9/16	27	2	3	4 9/16
10'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	20	2 5/8	3 15/16	5 3/4	20	3	4 1/2	5 3/4	36	3 1/2	5 1/4	5 3/4
13'-5"	1 5/16	0.532	CP1151	333	12	3/8	18	36	2 3/8	4	5 3/16	23	2 5/8	3 15/16	5 3/16	24	3	4 1/2	5 3/16	31	3 1/2	5 1/4	5 3/16
13'-5"	1 5/16	0.532	CP1151	344	12	1/2	18	36	2 1/4	4	5 3/4	36	4 1/2	6 3/4	5 3/4	36	4 1/8	6 3/16	5 3/4	36	3 1/2	5 1/4	5 3/4
14'-5"	1 7/16	0.657	CP1151	333	12	3/8	18	36	2 3/8	4	5 3/16	18	2 5/8	3 15/16	5 3/16	18	3	4 1/2	5 3/16	24	3 1/2	5 1/4	5 3/1
14'-5"	1 7/16	0.657	CP1151	344	12	1/2	18	36	2 1/4	4	5 3/4	36	4 1/2	6 3/4	5 3/4	35	4 1/8	6 3/16	5 3/4	29	3 1/2	5 1/4	5 3/4
15'-5"	1 1/2	0.719	CP1151	333	12	3/8	18	36	2 3/8	4	5 3/16	14	2 5/8	3 15/16	5 3/16	14	3	4 1/2	5 3/16	9	2	3	5 3/1
15'-5"	1 1/2	0.719	CP1151	344	12	1/2	18	36	2 1/4	4	5 3/4	34	4 1/2	6 3/4	5 3/4	27	4 1/8	6 3/16	5 3/4	15	2 1/2	3 3/4	5 3/4
16'-5"	1 1/2	0.719	CP1151	333	12	3/8	18	16	2 3/8	5	5 3/16	11	2 5/8	3 15/16	5 3/16	11	3	4 1/2	5 3/16	7	2	3	5 3/1
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	1	N	I/A		9	2 5/8	3 15/16	5 3/16	9	3	4 1/2	5 3/16	5	2	3	5 3/1
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	I/A		8	2 5/8	3 15/16	5 7/16	8	3	4 1/2	5 7/16	5	2	3	5 7/1
18'-5"	1 1/2	0.719	CP1151	344	12	1/2	18	36	3 5/8	6	5 3/4	18	4 1/2	6 3/4	5 3/4	15	4 1/8	6 3/16	5 3/4	8	2 1/2	3 3/4	5 3/
19'-5"	1 1/2	0.719	CP1151	334	11	3/8	13		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 7/1
19'-5"	1 1/2	0.719	CP1151	344	11	1/2	18	36	3 5/8	6	5 3/4	16	4 1/2	6 3/4	5 3/4	13	4 1/8	6 3/16	5 3/4	7	2 1/2	3 3/4	5 3/
20'-5"	1 1/2	0.656	CP1152	334	10	3/8	11		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 7/1
20'-5"	1 1/2	0.656	CP1152	344	10	1/2	18	28	3 5/8	6	5 3/4	14	4 1/2	6 3/4	5 3/4	11	4 1/8	6 3/16	5 3/4	6	2 1/2	3 3/4	5 3/
21'-5"	1 1/2	0.656	CP1152	334	10	3/8	10			I/A		5	2 5/8	3 15/16	5 7/16		N	I/A		4	2 1/2	3 3/4	5 7/1
21'-5"	1 1/2	0.656	CP1152	344	10	1/2	18	36	3 5/8	8	5 3/4	12	4 1/2	6 3/4	5 3/4	10	4 1/8	6 3/16	5 3/4	8	3 1/2	5 1/4	5 3/
22'-5"	1 1/2	0.656	CP1152	344	9	1/2	18	28	3 5/8	8	5 3/4	11	4 1/2	6 3/4	5 3/4	9	4 1/8	6 3/16	5 3/4	7	3 1/2	5 1/4	5 3/-
22-5	2	1.219	CP1152	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/
24'-5"	2	1.156	CP1151	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/
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/
26'-5"	2	1.156	CP1152	445	9	5/8	18	36	4 3/8	6	6 13/16	16	4 1/2	6 3/4	6 13/16	14	7 1/2	11 1/4	6 13/16	10	4	6	6 13/
	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 13/3
27'-5" 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/
		100 H P		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/
29'-5"	2	1.156	CP1152 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/
30'-5"	2		CP1152 CP1152	445	8	5/8	18	20	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/
31'-5"	2	1.156		-	8	5/8	18	44	1	N/A	0 10/10	11	4 1/2	6 3/4	6 13/16			N/A		10	5	7 1/2	6 13/
32'-5"	2	1.156	CP1152 & CP1153	445	8	5/8	18	-		N/A		11	4 1/2	6 3/4	6 13/16			N/A		9	5	7 1/2	613/
33'-5"	2	1.156	CP1152 & CP1153	445		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	445	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/
35'-5"	2	1.156	CP1152 & CP1153	546	7			-		N/A		9	4 1/2	6 3/4	6 7/8	-		N/A		8	5	7 1/2	6 7
36'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	-		N/A		9	4 1/2	6 3/4	6 7/8		N/A N/A			8	5	7 1/2	6 7/
37'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	-		N/A 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	546	7	5/8	18	-		N/A N/A		8	4 1/2	6 3/4	6 7/8	1		N/A		7	5	7 1/2	6 7/
39'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	17	-		N/A N/A		8	4 1/2	6 3/4	6 7/8	-		N/A				N/A	







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REVISION	DATE	BY	E.C.O.
	10/16/14	TJE	1615
HOOD SUPPORT UPDATE	02/14/20	MAN	2027

ELMWOOD AVE 1901 S. UNTAINTOP, PA GOO		dimensi	otherwise sp ions are in in plerances ar	nches &
800.233.8366 800.526.0841 ADS@CORNELLIRON.CO	MC	FRAC	000 = +/- 0.0 TIONAL = + ES = +/- 1/2	/- 1/32
JRATION	DRAWN BY: TJE	SIZE:	SCALE: AS NOTED	the state of the s
STEEL DOOR		-16-6	2-CIW	7

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ORIGINAL ISSUE

-														CPOOZ	0 - 0.0405	5 Minimum 1	hickness Ga	Ivanized o	or Stainless	Steel - 20 P	SF, Cont.														
						Filled CMU	U									c	racked Conc	rete Minin	mum 3,000 l	PSI Compre	ssive Streng	gth					Steel (W	/all anchors are f	the same ( asteners)	diameter as	assembly		Superimpo	osed Loads	
DBG		Hilti Kw	ik Bolt 3		1.00	Simpson S	Strong-Bolt	2	1	Through Bol	lt		Hi	lti Kwik Bolt	TZ			Simp	oson Strong-	Bolt 2			ITW	Redhead Tru	ibolt+		W	Velded	Through Bolt	Та	pped		Supermite	100 00003	
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 (-)
10'-5"	8	3/8	1 5/8	4 9/16	13	3/8	2 5/8	4 9/16	35	3/8	4 9/16	36	3/8	2 5/16	4	4 9/16	36	3/8	1 7/8	3 1/4	4 9/16	36	3/8	2	4	4 9/16	36	7/16 x 5/8	36	36	3/16	0	105	0	105
10'-5"	11	3/8	2 1/2	5 3/4	9	1/2	3 1/2	5 3/4	20	3/8	5 3/4	7 1/8	3/8	2 5/16	4	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	22 3/4	3/8	2	5	5 3/4	36	7/16 x 5/8	36	36	3/16	0	105	0	105
13'-5"	14	3/8	2 1/2	5 3/16	10	3/8	2 5/8	5 3/16	23	3/8	5 3/16	28 1/2	3/8	2 5/16	4	5 3/16	14 1/4	3/8	1 7/8	3 1/4	5 3/16	36	3/8	2	5	5 3/16	36	7/16 x 5/8	36	36	3/16	207	135	195	135
13'-5"	14	1/2	2 1/4	5 3/4	14	1/2	3 1/2	5 3/4	36	1/2	5 3/4	19	1/2	2 3/8	4	5 3/4	36	1/2	2 3/4	4 1/2	5 3/4	36	1/2	2 1/2	4	5 3/4	36	9/16 x 3/4	36	36	1/4	210	135	195	135
14'-5"	11	3/8	2 1/2	5 3/16	9	1/2	3 1/2	5 3/16	18	3/8	5 3/16	36	1/2	3 5/8	6	5 3/16	36	3/8	2 7/8	4 1/2	5 3/16	36	1/2	2 1/2	4	5 3/16	36	7/16 x 5/8	36	33	3/16	272	145	261	145
14'-5"	11	1/2	2 1/4	5 3/4	11	1/2	3 1/2	5 3/4	36	1/2	5 3/4	36	1/2	3 5/8	6	5 3/4	36	1/2	2 3/4	4 1/2	5 3/4	36	1/2	2 1/2	4	5 3/4	36	9/16 x 3/4	36	36	1/4	274	145	261	145
15'-5"	8	3/8	2 1/2	5 3/16	12	3/4	5 1/4	5 3/16	14	3/8	5 3/16	36	1/2	3 5/8	6	5 3/16	36	3/8	2 7/8	4 1/2	5 3/16	14 1/4	1/2	2 1/2	4	5 3/16	36	7/16 x 5/8	36	25	3/16	361	155	352	155
15'-5"	8	1/2	2 1/4	5 3/4	8	1/2	3 1/2	5 3/4	34	1/2	5 3/4	36	1/2	3 5/8	6	5 3/4	36	1/2	2 3/4	4 1/2	5 3/4	36	1/2	2 1/2	4	5 3/4	36	9/16 x 3/4	36	36	1/4	363	155	352	155
16'-5"	8	3/4	3 1/4	5 3/16	10	3/4	5 1/4	5 3/16	11	3/8	5 3/16	36	1/2	3 5/8	8	5 3/16	28 1/2	1/2	3 7/8	6	5 3/16	19	1/2	3 3/4	8	5 3/16	29	7/16 x 5/8	29	19	3/16	475	165	467	165
16'-5"	9	1/2	3 1/2	5 3/4	12	3/4	5 1/4	5 3/4	26	1/2	5 3/4	36	1/2	3 5/8	6	5 3/4	28 1/2	1/2	2 3/4	4 1/2	5 3/4	16 1/4	1/2	3 3/4	6	5 3/4	36	9/16 x 3/4	36	28	1/4	477	165	467	165
17'-5"	10	3/4	4 3/8	5 3/16	8	3/4	5 1/4	5 3/16	9	3/8	5 3/16	36	3/4	5 9/16	8	5 3/16	22 3/4	3/4	4 1/8	6 3/4	5 3/16	22 3/4	3/4	4 3/8	7	5 3/16	23	7/16 x 5/8	23	15	3/16	584	175	576	175
17'-5"	8	1/2	3 1/2	5 3/4	9	3/4	5 1/4	5 3/4	22	1/2	5 3/4	36	1/2	3 5/8	8	5 3/4	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	585	175	576	175
18'-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	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	689	185	681	185
18'-5"	10	3/4	4 3/8	5 3/4	8	3/4	5 1/4	5 3/4	18	1/2	5 3/4	36	3/4	5 9/16	8	5 3/4	28 1/2	3/4	4 1/8	6 3/4	5 3/4	28 1/2	3/4	4 3/8	7	5 3/4	36	9/16 x 3/4	36	20	1/4	690	185	681	185
19'-5"	8	3/4	4 3/8	5 7/16			N/A		7	3/8	5 7/16	36	3/4	5 9/16	8	5 7/16	36	3/4	5 3/4	8 3/4	5 7/16	19	3/4	4 3/8	8	5 7/16	17	7/16 x 5/8	17	11	3/16	792	195	784	195
19'-5"	9	3/4	4 3/8	5 3/4			N/A		16	1/2	5 3/4	36	3/4	5 9/16	8	5 3/4	36	3/4	5 3/4	8 3/4	5 3/4	36	3/4	4 3/8	8	5 3/4	31	9/16 x 3/4	31	17	1/4	793	195	784	195
20'-5"		N/					N/A		6	3/8	5 7/16			N/A	2	-			N/A	-	-	-		N/A			14	7/16 x 5/8	14	9	3/16	945	205	938	206
20'-5"	8	3/4	4 3/8	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
21'-5"		N/	12				N/A		5	3/8	5 7/16		1.1	N/A					N/A					N/A			13	7/16 x 5/8	13	8	3/16	1049	216	1042	216
21'-5"		N/					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
22'-5"		N/					N/A		11	1/2	5 3/4			N/A	-	1		- 10	N/A	1 = = /2	1	20.4/2	/2	N/A	/	C + 14	21	9/16 x 3/4	21	12	1/4	1154	226	1145	226
23'-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	25	5/16	876	234	871	235
24'-5"		N/					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
25'-5"		N/		_			N/A		15	5/8	6 1/4			N/A	-			2/4	N/A	0.0/4	6 43/46	-		N/A			36	11/16 x 7/8	36	21	5/16	1067	255	1061 1142	255
26'-5"		N/					N/A		16	5/8	6 13/16		_	N/A			36	3/4	5 3/4	8 3/4	6 13/16	-		N/A			36	11/16 x 7/8	36	23		1148	205	1142	203
27'-5"		N/					N/A		15	5/8	6 13/16			N/A N/A					N/A N/A					N/A N/A			36	11/16 x 7/8	36	22	5/16	1229	2/5	1305	2/5
28'-5"		N/			-		N/A N/A		14	5/8	6 13/16			N/A N/A					N/A N/A			-		N/A N/A			30	11/16 x 7/8	35	19	5/16	1394	285	1303	205
29'-5"		N/			-		N/A N/A		13	5/8	6 13/16			N/A N/A					N/A N/A			-		N/A			33	11/16 x 7/8	33	19	5/16	1476	305	1471	306
30'-5" 31'-5"	-	N/					N/A N/A		12	5/8 5/8	6 13/16 6 13/16			N/A N/A					N/A N/A					N/A	-		31	11/16 x 7/8	31	10	5/16	1470	315	1554	316
31-5"		N			-		N/A		12	5/8	6 13/16			N/A N/A					N/A N/A					N/A			29	11/16 x 7/8	29	16	5/16	1644	325	1638	326
33'-5"		N					N/A		11	5/8	6 13/16	-		N/A N/A			-		N/A			-		N/A			28	11/16 x 7/8	28	15	5/16	1729	336	1723	336
34'-5"		N					N/A		10	5/8	6 13/16			N/A					N/A			-		N/A			27	11/16 x 7/8	27	15	5/16	1815	346	1809	346
35'-5"		N					N/A		10	5/8	6 7/8			N/A					N/A					N/A			24	11/16 x 7/8	24	13	5/16	1902	356	1895	357
36'-5"		N					N/A		9	5/8	6 7/8	-		N/A					N/A					N/A			23	11/16 x 7/8	23	13	5/16	1989	366	1983	367
37'-5"		N			-		N/A		9	5/8	6 7/8			N/A					N/A					N/A			22	11/16 x 7/8	22	12	5/16	2077	376	2071	377
38'-5"		N					N/A		8	5/8	6 7/8			N/A	-				N/A					N/A			21	11/16 x 7/8	21	11	5/16	2167	387	2160	387
39'-5"		N			-		N/A		8	5/8	6 7/8			N/A				-	N/A					N/A			20	11/16 x 7/8	20	11	5/16	2257	397	2250	398
40'-5"			/A				N/A		8	5/8	6 7/8			N/A					N/A					N/A			19	11/16 x 7/8	19	11	5/16	2348	407	2341	408





REVISION	DATE	BY	E.C.O.
	10/16/14	TJE	1615
; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

ELMWOOD AVE 1901 S. JNTAINTOP, PA GOO	and the second	dimens	otherwise specified, ions are in inches & blerances are:
00.233.8366 00.526.0841 .DS@CORNELLIRON.CO	DM	FRAC	000 = +/- 0.031 TIONAL = +/- 1/32 LES = +/- 1/2 DEG
RATION	DRAWN BY: TJE	SIZE: B	SCALE: SHEET: AS NOTED 42/53
STEEL DOOR CT RATED		-16-6	2-CIW

TR	R
*	ORIGINAL ISSUE
Α	REFORMATTED TABLES; H

1.7710	1.00			1.0.1	1200				1110	1.0-4.2	Concret			Wedge All	- Strength (	Anchors are	Red Head				Powers W	edge-Bolt				
DBG	Windlock Flat	Slip	Windlock	Guide Assembly	Windlock Weld	Assembly Fastener	Assembly Fastener		1	wik Bolt 3 Min. Wall	Edge Dist	Max O.C.	Embed	Min. Wall	Edge Dist	Max O.C.		Min. Wall	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist			
Up То	Location	_			Pitch	Diameter	Spacing	Max O.C.	Embed	Thick.	4 9/16	32	2 5/8	THEN.	4 9/16	33	3	THICK.	4 9/16	26	2	3	4 9/16			
7'-5"	N/A	N/A	N/A	333* 344*	N/A N/A	3/8	24	36	2 3/8	4	5 3/4	18	2 5/8	3 15/16		19	3	4 1/2	5 3/4	36	3 1/2	5 1/4	5 3/4			
7'-5"	N/A 1 5/16	N/A 0.532	N/A CP1151	333	12	3/8	17	30		N/A		9	2 5/8	3 15/16	5 3/16	9	3	4 1/2	5 3/16	12	3 1/2	5 1/4	5 3/16			
13'-5"	1 5/16	0.532	CP1151	344	12	1/2	18	36	3 5/8	6	5 3/4	23	4 1/2	6 3/4	5 3/4	18	4 1/8	6 3/16		15	3 1/2	5 1/4 5 1/4	5 3/4			
14'-5"	1 7/16	0.657	CP1151	334	12	3/8	15		-	N/A		9	2 5/8		5 7/16	9	3	4 1/2 6 3/16	5 7/16 5 3/4	11	3 1/2 3 1/2	5 1/4	5 3/4			
14'-5"	1 7/16	0.657	CP1151	344	12	1/2	18	36	3 5/8		5 3/4	20	4 1/2	6 3/4	5 3/4	16 8	4 1/8	4 1/2	5 7/16	5	2	3	5 7/16			
15'-5"	1 1/2	0.719	CP1151	334	12	3/8	13		2.5/0	N/A	5 3/4	8	2 5/8	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			
15'-5"	1 1/2	0.719	CP1151	344	12	1/2	18	36	3 5/8	6 N/A	5 5/4	6	2 5/8		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	334 344	11	3/8	11	36	3 5/8	-	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			
16'-5" 17'-5"	1 1/2 1 1/2	0.719	CP1151 CP1152	334	10	3/8	9		1	N/A		5	2 5/8	3 15/16	5 7/16		N	/A		6	3 1/2	5 1/4	5 7/16			
17-5	1.5	0.656	CP1152	344	10	1/2	18	36	3.625	8	5.75	12	4.5	6.75	5.75	9	4.125	6.1875	5.75	8	3.5	5.25	5,75			
18'-5"	2	1.219	CP1151	444	11	5/8	18	36	4 3/8	6	6 1/4	18	4 1/2	6 3/4	6 1/4	16	5 1/8	7 11/16		7	3	4 1/2 6	6 1/4 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		10	4	6	6 13/16			
20'-5"	2	1.156	CP1152	445	10	5/8	18	36	4 3/8		6 13/16		4 1/2	6 3/4	6 13/16		7 1/2	11 1/4 11 1/4	-	9	4	6	6 13/16			
21'-5"	2	1.156	CP1152	445	9	5/8	18	28	4 3/8		6 13/16		4 1/2	6 3/4 6 3/4	6 13/16 6 13/16	13	7 1/2	11 1/4		9	4	6	6 13/16			
22'-5"	2	1.156	CP1152	445	9	5/8	18	36	4 3/8	-	6 13/16 6 13/16		4 1/2	6 3/4	6 13/16		7 1/2	11 1/4	-	8	4	6	6 13/16			
23'-5"	2	1.156	CP1152	445	8	5/8	18	28	4 3/8	N/A	0 15/10	12	4 1/2	6 3/4	6 13/16			/A		7	4	6	6 13/16			
24'-5"	2	1.156	CP1152	445	8	5/8	18	-		N/A		11	4 1/2	6 3/4	6 13/16		N	/A		9	5	7 1/2	6 13/16			
25'-5"	2	1.156	CP1152 & CP1153 CP1152 & CP1153	546	7	5/8	18			N/A	-	10	4 1/2	6 3/4	6 7/8	L	N	I/A	-	9	5	7 1/2	6 7/8			
26'-5" 27'-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		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		1		I/A	_	8	5	7 1/2	6 7/8 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	-		1/A 1/A	-	1	_	V/A	10110			
30'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	16			N/A		8	4 1/2	6 3/4	6 7/8 6 7/8			I/A		-		N/A	-			
31'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	16		_	N/A		8	4 1/2	6 3/4 6 3/4				N/A			1	N/A				
32'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15	-		N/A N/A	-	7	4 1/2	6 3/4	-			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	-		1	A/N			1	N/A				
34'-5"	2	1.156	CP1152 & CP1153 CP1152 & CP1153		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				
35'-5" 36'-5"	2 1/2	1.656	CP1152 & CP1153	-	6	3/4	18			N/A		9	5	7 1/2	7 1/2	10	6 5/8	-	-			N/A				
37'-5"	2 1/2	1.656	CP1152 & CP1153	-	6	3/4	18			N/A		8	5	7 1/2	-		6 5/8			-		N/A N/A		p.		
38'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18			N/A		8	5	7 1/2		-	6 5/8	9 15/16		-		N/A				
39'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		_	N/A	-	8	5	7 1/2	-		6 5/8 6 5/8		-			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	0 5/6	915/10	1 1 4/2							
									HING * PRO	NNN PA	TRICK ENSE 58299	A AFLLEY *		С	0	R	Innovat	E L	solutions	MOU P: 80	LMWOC NTAINT 00.233.8 00.526.0	OP, PA	= 1901 S.I A GOO	LITCHFIELD RD DYEAR, AZ	dimensi to	otherwise specif ions are in inche blerances are: 000 = +/- 0.031 TIONAL = +/- 1/
								11.	F.E.S.	ONAL	ENG	A STITUTE			N-IN		ATE	DR	OLLI		RATI			DRAWN BY: TJE DWG NO:	ANGI SIZE: B	ES = +/- 1/2 DE SCALE: SHE AS NOTED 43/ S2-CIW

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REVISION	DATE	BY	E.C.O.
	10/16/14	TJE	1615
HOOD SUPPORT UPDATE	02/14/20	MAN	2027

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**ORIGINAL ISSUE** 

															C	P0020 - 0.040	5 Minimum	Thickness (	alvanized o	or Stainle	ss Steel - 30	PSF, Cont.						×								-
						Filled	сми											Cracked Cor	crete Minir	mum 3,0	0 PSI Compr	ressive Stren	gth					Steel (W	/all anchors are fi	the same asteners)	diameter as	assembly		Superimp	osed Loads	
DBG		Hilti Kw	vik Bolt 3			Simp	son Stron	g-Bolt 2	2	т	hrough Bo	lt		Hi	ilti Kwik I	Bolt TZ			Simp	oson Stro	ng-Bolt 2			ITW	Redhead Tr	ubolt+		v	Velded	Through Bolt	Та	pped		Subcump	1300 100003	
Uр То	Max O.C.	Dia.	Embed	Edge Dist	Max C	D.C. Di	ia. E	mbed	Edge Dist	Max. O.C.	Dia.	Edge Distance	Max O.C.	Dia.	Embe	d. Min Wall	Edge Dist	Max O.C.	Dia.	Embe	d. Min Wa	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 (-)
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 5/1	6 4	4 9/16	36	3/8	1 7/		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 5/1	6 5	5 3/4	36	3/8	2 7/	3 4 1/2	5 3/4	14 1/4	3/8	2	5	5 3/4	36	7/16 × 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	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/	6 3/4	5 3/16	28 1/2	3/4	4 3/8	7	5 3/16	25	7/16 × 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	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/	3 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	0.0		N/A				-	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	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/	6 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 9/1	6 8	5 7/16	36	3/4	5 3/	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 9/1	.6 8	5 3/4	19	3/4	4 1/	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"	1-	N	/A			-	N/A			6	3/8	5 7/16	19	3/4	5 9/1	.6 8	5 7/16	36	3/4	5 3/	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 9/1	.6 8	5 3/4	36	3/4	5 3/	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				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	/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 7/1	6 8	6 1/4	28 1/2	5/8	5 1/	3 7 7/8	6 1/4	36	5/8	4 3/4	6 1/4	6 1/4	36	11/16 x 7/8	36	27	5/16	829	276	821	277
19'-5"		N	/A			-	N/A			16	5/8	6 1/4			N/A					N/A				_	N/A			36	11/16 x 7/8	36	23	5/16	976	291	968	292
20'-5"		N	/A	2.2.			N/A	-		16	5/8	6 13/16	22 3/4	3/4	5 9/1	.6 8	6 13/16	36	3/4	5 3/	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	/A				N/A			15	5/8	6 13/16			N/A	112				N/A					N/A			36	11/16 x 7/8	36	22	5/16	1206	321	1198	322
22'-5"		N	/A				N/A			14	5/8	6 13/16		-	N/A					N/A					N/A			36	11/16 x 7/8	36	20	5/16	1321	336	1313	337
23'-5"		N,	/A			13	N/A			12	5/8	6 13/16			N/A	10.000				N/A					N/A			34	11/16 x 7/8	34	19	5/16	1436	352	1428	353
24'-5"	1	N	/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"	1	N	/A				N/A			11	5/8	6 13/16			N/A			1		N/A			_		N/A	-		29	11/16 x 7/8	29	16	5/16	1667	382	1659	383
26'-5"		N	/A				N/A			10	5/8	6 7/8			N/A	¢				N/A					N/A			26	11/16 x 7/8	26	14	5/16	1784	397	1775	398
27'-5"		N	/A				N/A			10	5/8	6 7/8			N/A	2				N/A					N/A			24	11/16 x 7/8	24	13	5/16	1901	412	1893	413
28'-5"		N	/A	-			N/A			9	5/8	6 7/8			N/A			_		N/A	-			_	N/A			23	11/16 x 7/8	23	12	5/16	2020	428	2011	429
29'-5"			/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	/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"			/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	/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		489	2498	490
33'-5"			/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"	1	N	/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"	-		/A				N/A			9	3/4	7 1/2			N/A					N/A					N/A			36	13/16 x 1	36	20	3/8	2394	533	2386	533
36'-5"	1		/A			-	N/A			9	3/4	7 1/2	1	_	N/A				-	N/A				_	N/A			35	13/16 x 1	35	19	3/8	2502	548	2494	549
37'-5"			/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"			/A				N/A	-		8	3/4	7 1/2			N/A		-			N//			-		N/A			32	13/16 x 1	32	17	3/8	2723	579	2714	579
39'-5"			I/A				N/A	-		8	3/4	7 1/2		_	N/A					N/A			-		N/A			31	13/16 x 1	31	17	3/8	2835	594	2826	595
40'-5"		N	I/A				N/A			7	3/4	7 1/2			N/A		-			N/4					N/A			30	13/16 x 1	30	16	3/8	2948	609	2939	610





REVISION	DATE	BY	E.C.O.
	10/16/14	TJE	1615
; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

ELMWOOD AVE 1901 S. I UNTAINTOP, PA GOO	A PERSON AND A PER	dimensi	otherwise s ons are in i lerances a	nches &
300.233.8366 300.526.0841 ADS@CORNELLIRON.CO	ом	FRAC	000 = +/- 0. TIONAL = - ES = +/- 1/	+/- 1/32
JRATION	DRAWN BY:	SIZE:	SCALE:	
ATTEL BAAR	TJE	B	AS NOTED	44/53
STEEL DOOR	DWG NO:			
CT RATED	ES	-16-6	2-CIW	

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А

ORIGINAL ISSUE

_							-	CP0020 -	0.0405 Mi	nimum Thic				Compressive	Ctrongth (	Anchore are	the came d	liameter as a	assembly fa	steners)		-	
	1	1.0	1		1						Concret	e Minimum			e Strength (/	Anchors are		d Tru-Bolt	assembly to	Steners	Powers W	Vedge-Bolt	
DBG	Windlock	1.1.1		Guide	Windlock	Assembly	Assembly	-	Hilti Kw	vik Bolt 3			Simpson	Wedge All	-		Red Head	Min. Wall			rowers	Min. Wall	1
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	Thick.		Max O.C.	Embed	Thick.	coge Dis
7'-5"	N/A	N/A	N/A	333*	N/A	3/8	24	36	2 3/8	4	4 9/16	24	2 5/8	3 15/16	4 9/16	25	3	4 1/2	4 9/16	19	2	3	4 9/16
7'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	14	2 5/8	3 15/16	5 3/4	14	3	4 1/2	5 3/4	28	3 1/2	5 1/4	5 3/4
13'-5"	1 5/16	0.469	CP1152	334	10	3/8	10		N	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	2.32	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
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 13/1
18'-5"	2	1.156	CP1152	445	9	5/8	18	22	4 3/8	6	6 13/16	14	4 1/2	6 3/4	6 13/16	13	7 1/2	11 1/4	6 13/16	9	4	6	6 13/1
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 13/1
20'-5"	2	1.156	CP1152	445	8	5/8	18	19	4 3/8	8	6 13/16	12	4 1/2	6 3/4	6 13/16		N	I/A		7	4	6	6 13/1
21'-5"	2	1.156	CP1152 & CP1153	445	8	5/8	18		1	I/A		11	4 1/2	6 3/4	6 13/16		N	I/A		9	5	7 1/2	6 13/1
22'-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	I/A		9	5	7 1/2	6 7/8
23'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18		P	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	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		N	I/A			1	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	I/A			1	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	N/A			1	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		N	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		- 4	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		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		1	N/A		8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2		10	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	
34 -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	





REVISION	DATE	BY	E.C.O.
	10/16/14	TJE	1615
; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

ELMWOOD AVE 1901 S. DUNTAINTOP, PA GOO	LITCHFIELD RD DYEAR, AZ	dimens	otherwise s ions are in i plerances a	nches &
800.233.8366 800.526.0841 ADS@CORNELLIRON.C0	DM	FRAC	000 = +/- 0. TIONAL = + _ES = +/- 1/	+/- 1/32
JRATION	DRAWN BY:	SIZE: B	SCALE: AS NOTED	
STEEL DOOR	DWG NO: ES	-16-6	2-CIW	

L'TR

\* ORIGINAL ISSUE
A REFORMATTED TABLES;

						_								CPOO	20 - 0.0405	5 Minimum	Thickness G	alvanized	or Stainless	Steel - 40 F	SF, Cont.					-									
						Filled C	сми										Cracked Con	crete Mini	mum 3,000	PSI Compre	ssive Stren	gth					Steel (W	all anchors are	the same ( fasteners)	diameter as	s assembly		Superimpo	osed Loads	
DBG		Hilti Kw	vik Bolt 3			Simpso	on Strong-Bolt	2		Through Bo	lt		Hi	lti Kwik Boli	TZ			Sim	pson Strong	-Bolt 2			ITW	Redhead Tr			1	/elded	Through Bolt	Та	pped				
Up To	Max O.C.	Dia.	Embed	Edge Dis	t 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 Wal Thick.	Edge Dist	Max O.C.	Dia.	Embed.	Min Wal Thick.	-	Max O.C.	-		Max O.C.	Thickness	Vx (+)	Vy (+)	Vx (-)	Vy (-)
7'-5"	14	3/8	2 1/2	4 9/16	9	3/8	8 2 5/8	4 9/16	24	3/8	4 9/16	36	3/8	2 5/16	4	4 9/16	22 3/4	3/8	1 7/8	3 1/4	4 9/16	36	3/8	2	5	4 9/16		7/16 x 5/8		36	3/16	0	150	0	149
7'-5"	8	3/8	2 1/2	5 3/4	13	3/4	4 5 1/4	5 3/4	14	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	16 1/4	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	-	36	3/16	0	150	0	149
13'-5"		N	/A	-			N/A		6	3/8	5 7/16	1		N/A			28 1/2	3/4	5 3/4	8 3/4	5 7/16			N/A		-	14	7/16 x 5/8		9	3/16	986	270	967	271
13'-5"		N	/A			-	N/A		13	1/2	5 3/4	19	3/4	5 9/16	8	5 3/4	36	3/4	5 3/4	8 3/4	5 3/4			N/A		-	25	9/16 x 3/4	-	14	1/4	989	271	967 944	271 290
14'-5"		N	/A				N/A		6	3/8	5 7/16			N/A					N/A					N/A			14	7/16 x 5/8		9	3/16	959	290 290	944	290
14'-5"		N	/A	-			N/A		13	1/2	5 3/4			N/A	-			-	N/A			1		N/A			25	9/16 x 3/4	25	14	1/4	961 1031	309	1015	310
15'-5"		N	/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	329	1013	330
16'-5"		N	/A				N/A		14	5/8	6 1/4			N/A		-		-	N/A		1			N/A			36	11/16 x 7/8		21	5/16	1098	348	1085	349
17'-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	1230	368	1220	369
18'-5"		N	I/A				N/A		14	5/8	6 13/16			N/A					N/A			-		N/A			36	11/16 x 7/8		19	5/16	1378	388	1367	389
19'-5"		N	/A				N/A		13	5/8	6 13/16	1		N/A			-		N/A			-		N/A			32	11/16 x 7/8		17	5/16	1570	408	1514	410
20'-5"		N	I/A		1		N/A		12	5/8	6 13/16			N/A					N/A			-		N/A N/A			29	11/16 x 7/8	-	16	5/16		429	1661	430
21'-5"		N	I/A				N/A		11	5/8	6 13/16			N/A					N/A					N/A N/A		_	25	11/16 x 7/8	-	14	5/16	1818	449	1808	450
22'-5"		N	I/A				N/A		10	5/8	6 7/8			N/A			-		N/A					N/A			23	11/16 x 7/8	-	13	5/16		469	1956	470
23'-5"		N	I/A			-	N/A	-	9	5/8	6 7/8			N/A	-		-		N/A			-		N/A			22	11/16 x 7/8		12	5/16		489	2105	491
24'-5"		N	I/A				N/A		8	5/8	6 7/8	-		N/A					N/A			-		N/A			20	11/16 x 7/8		11	5/16		510	2256	511
25'-5"			I/A				N/A		8	5/8	6 7/8		_	N/A			-		N/A			-		N/A			19	11/16 x 7/8	-	10	5/16	2419	530	2408	532
26.5			I/A	-	-		N/A		7	5/8	6 7/8			N/A			-		N/A			-		N/A	-		18	11/16 x 7/8	-	10	5/16	2573	551	2562	552
27'-5"			I/A		-		N/A		7	5/8	6 7/8			N/A			-		N/A			-		N/A			36	11/16 x 7/8	-	21	3/8	2255	569	2245	569
28'-5"			I/A			_	N/A		7	3/4	6 7/8			N/A		_	-		N/A			-		N/A			36	13/16 x 1	_	20	3/8	2387	589	2377	590
29'-5"			I/A		-		N/A		9	3/4	7 1/2			N/A			-		N/A			-		N/A			35	13/16 x 1	_	19	3/8	2521	609	2511	610
30'-5"			I/A			-	N/A		9	3/4	7 1/2	-		N/A			-		N/A	-		-		N/A			33	13/16 x 1		18	3/8	2657	630	2646	630
31'-5"			I/A				N/A		8	3/4	7 1/2		_	N/A			-		N/A N/A			-		N/A			31	13/16 x 1	31	17	3/8	2794	650	2783	651
32'-5"			I/A		-	-	N/A		8	3/4	7 1/2			N/A			-			-	_	-		N/A			30	13/16 x 1	-	16		2932	671	2922	671
33'-5"			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"			I/A				N/A		7	3/4	7 1/2			N/A			-		N/A					N/A			27	13/16 x 1	-	15	3/8	3214	711	3203	712
35'-5"		N	A/A				N/A		7	3/4	7 1/2			N/A			-		N/A					N/A									1		-





REVISION	DATE	BY	E.C.O.
	10/16/14	TJE	1615
; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

ELMWOOD AVE 1901 S. UNTAINTOP, PA GOO		dimensi	otherwise specified, ons are in inches & lerances are:
300.233.8366 300.526.0841 ADS@CORNELLIRON.CO	MC	FRAC	000 = +/- 0.031 TIONAL = +/- 1/32 ES = +/- 1/2 DEG
JRATION	DRAWN BY: TJE	SIZE:	SCALE: SHEET: AS NOTED 46/53
STEEL DOOR	DWG NO: ES	-16-6	2-CIW

								CP0020 -	0.0405 M	inimum Thio										
6.11								1.1.1.1			Concret	e Minimum	3,000 PSI	Compressive	e Strength (/	Anchors are	the same	diameter as	assembly fa	asteners)
DBG	Windlock		1.12/21	Guide	Windlock	Assembly	Assembly	1	Hilti Kv	vik Bolt 3			Simpson	Wedge All			Red Hea	d Tru-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.
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
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
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		
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
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
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
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	I/A		10
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	I/A		9
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		N	I/A		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		N	I/A		7
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	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		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		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	I/A		
28'-5"	2 1/2	1.656	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	
29'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	17		N	I/A		7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2	
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		N	I/A		

_							CP0020 - 0	.0405 Minii	num i hickne	ess Galvan	lized or Stall	niess Steel -	50 PSF, Cont.							
					1	Filled CMU						Steel (Wa	all anchors are	the same of fasteners)	diameter as	assembly		Superimpo	sed Loads	
DBG		Hilti K	wik Bolt 3		5	Simpson S	trong-Bolt 2	i.	т	hrough Bo	olt	w	elded	Through Bolt	Тар	oped		Superimpt	Jseu Loaus	
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 (-)
6'-5"	12	3/8	2 1/2	4 9/16	9	3/8	2 5/8	4 9/16	22	3/8	4 9/16	36	7/16 x 5/8	36	36	3/16	0	162	0	161
6'-5"	8	1/2	3 1/2	5 3/4	12	3/4	5 1/4	5 3/4	12	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	163	0	161
14'-5"			N/A			N	/A		8	1/2	5 3/4	12	9/16 x 3/4	12	12	1/4	1304	362	1284	363
15'-5"		1	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"		13	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"		1	N/A			N	/A		12	5/8	6 13/16	34	11/16 x 7/8	34	19	5/16	1423	435	1410	436
18'-5"	1	13	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"		Į.	N/A		-	N	I/A		8	5/8	6 7/8	21	11/16 x 7/8	21	12	5/16	2136	536	2123	538
22'-5"			N/A			N	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	I/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	I/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	I/A			N/A		11	13/16 x 1	11	11	3/8	2682	686	2670	686
28'-5"			N/A			N	I/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	I/A		7	3/4	7 1/2	29	13/16 x 1	29	16	3/8	3008	737	2996	738
30'-5"			N/A			N	I/A	-	7	3/4	2 1/2/	27	13/16 x 1	27	15	3/8	3174	762	3162	763





		L'TR				R	EVISIO	N			DATE	BY	E.C.O
		*	ORIGI	NAL ISS	SUE				and and a		10/16/14	TJE	1615
		A	REFO	RMATT	ED TAE	BLES; H	OOD S	UPPOF	TUPD	ATE	02/14/20	MAN	2027
											4 - BY X - 34 58	Colorente de la	
PSF	_		_	_					-	1			
	ength (A	nchors are	the same d	iameter as	assembly fa	steners)			_				
e All			Red Head	Tru-Bolt	-		Powers W	/edge-Bolt					
Wall Edg	lge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist				
	9/16	23	3	4 1/2	4 9/16	18	2	3	4 9/16				
_	5 3/4 5 3/4	13	3 N	4 1/2 /A	5 3/4	25	3 1/2 N	5 1/4 /A	5 3/4				
	13/16	12	7 1/2	11 1/4	6 13/16	8	4	6	6 13/16				
_	13/16	11	7 1/2	11 1/4	6 13/16	8	4	6	6 13/16				
_	13/16 13/16	11	7 1/2	11 1/4 /A	6 13/16	8	4	6 7 1/2	6 13/16 6 13/16				
_	6 7/8			/A		9	5	7 1/2	6 7/8				
	6 7/8			/A		8	5	7 1/2	6 7/8	1			
	6 7/8	-		/A		7	5	7 1/2	6 7/8	-			
	6 7/8 6 7/8			/A /A		-		/A /A	-				
_	7 1/2	-	N										
	7 1/2		_	/A			N	/A					
/2 7	7 1/2			/A			N	/A					
		6	6 5/8	/A 9 15/16	7 1/2		N	/A /A					
/2 7 /2 7	7 1/2 7 1/2 assemble	5	6 5/8 6 5/8 N	/A	7 1/2		N N N	/A					
/2 7 /2 7 meter as a Tap	7 1/2 7 1/2 assemble	5	6 5/8 6 5/8 N Superi	/A 9 15/16 9 15/16 /A mposed Loa	7 1/2		N N N	/A /A /A					
1/2 7 1/2 7 meter as a Tap	7 1/2 7 1/2 assembly oped Min. Thickne	5 / 	6 5/8 6 5/8 N Superi	/A 9 15/16 9 15/16 /A mposed Loa	7 1/2 ads	_	N N N	/A /A /A					
/2 7 /2 7 meter as a Tapp	7 1/2 7 1/2 assembly oped Min.	5 / 	6 5/8 6 5/8 N Superi	/A 9 15/16 9 15/16 /A mposed Loa ·) Vx (- 0	7 1/2		N N N	/A /A /A					
/2 7 /2 7 meter as a Tapp Max O.C. 36 36 12	7 1/2 7 1/2 assembly pped Min. Thickne 3/16 3/16 1/4	5 // sss Vx (+ 0 0 0 130/	6 5/8 6 5/8 N Superi ) Vy (4 162 163 4 362	/A 9 15/16 9 15/16 /A mposed Loa ·) Vx (- 0 0 128/2	7 1/2 ads -) Vy (- 161 161 4 363		N N N	/A /A /A					
/2 7 /2 7 meter as a Tapp Max O.C. 36 36 12 19	7 1/2 7 1/2 assembly oped Min. Thickne 3/16 3/16 1/4 5/16	5 // sss Vx (+ 0 0 0 130/ 138/	6 5/8 6 5/8 N Superi ) Vy (4 162 163 4 362 0 387	/A 9 15/16 9 15/16 /A mposed Loa ·) Vx (- 0 0 0 128- 136	7 1/2 ads -) Vy (- 161 161 4 363 1 388		N N N	/A /A /A					
/2 7 /2 7 meter as a Tapp Max O.C. 36 36 12	7 1/2 7 1/2 assembly pped Min. Thickne 3/16 3/16 1/4	5 // sss Vx (+ 0 130/ 138/ 5 145:	6 5/8 6 5/8 N Superi ) Vy (4 162 163 4 362 0 387 3 411	/A 9 15/16 9 15/16 /A mposed Lo: ·) Vx (- 0 0 128- 136- 143	7 1/2 ads -) Vy (- 161 161 4 363 1 388 7 412		N N N	/A /A /A					
/2 7 /2 7 /2 7 neter as a Tapp lax O.C. 36 36 12 19 18 19 17	7 1/2 7 1/2 7 1/2 30ped Min. Thickne 3/16 3/16 5/16 5/16 5/16	5 Vx (+ 5 Vx (+ 0 130- 138- 145: 145: 142: 160:	6 5/8 6 5/8 N Superi ) Vy (4 162 163 4 362 0 387 3 411 3 435 4 460	/A 9 15/16 9 15/16 /A mposed Loa ·) Vx (- 0 0 128- 136- 143- 1410 158- 1410	7         1/2           adds         -)         Vy (-           161         161           14         363           7         412           00         436           8         462		N N N	/A /A /A					
/2 7 /2 7 /2 7 neter as a Tapp lax O.C. 36 36 12 19 18 19 17 14	7 1/2 7 1/2 7 1/2 3 assembly oped Min. Thickne 3/16 3/16 5/16 5/16 5/16	5 Vx (+ 5 0 130- 138- 145: 14	6 5/8 6 5/8 N Superi ) Vy (4 162 163 4 362 0 387 3 411 3 435 4 460 9 486	/A 9 15/16 9 15/16 /A mposed Loa ·) Vx (- 0 0 128- 136- 143- 141- 158- 141- 158- 176- 176- 188- 176- 188- 188- 188- 188- 188- 188- 188- 188- 188- 188- 188- 188- 188- 189- 199-	7 1/2 ads -) Vy (- 161 161 4 363 1 388 7 412 0 436 8 462 6 487		N N N	/A /A /A					
/2 7 /2 7 /2 7 neter as a Tapp lax O.C. 36 36 12 19 18 19 17	7 1/2 7 1/2 7 1/2 30ped Min. Thickne 3/16 3/16 5/16 5/16 5/16	5 Vx (+ 5 Vx (+ 0 1300 1380 1453 1	6 5/8 6 5/8 N Superi ) Vy (4 162 163 4 362 0 387 3 411 3 435 4 460 9 486 7 511	/A 9 15/16 9 15/16 /A mposed Loa ·) Vx (- 0 0 128- 1366 143: 141: 158: 1766 194-	7         1/2           adds         -)         Vy (-           161         161           163         388           7         412           00         436           8         462           6         487           4         512		N N N	/A /A /A					
/2 7 /2 7 /2 7 meter as a Tapp Max O.C. 36 36 12 19 18 19 17 14 13 12 11	7 1/2 7 1/2 7 1/2 assembly pped Min. Thickne 3/16 3/16 5/16 5/16 5/16 5/16 5/16	5 Vx (+ 5 Vx (+ 0 1300 1300 1380 1452 1422 1600 1779 1957 2130 2310	6 5/8 6 5/8 N Superi ) Vy (4 162 163 4 362 0 387 3 411 3 435 4 460 9 486 7 511 5 536 5 561	/A 9 15/16 9 15/16 /A mposed Loa ·) Vx (- 0 0 128- 1366 143: 141: 158: 1766 194: 138: 1769 194: 195:	7         1/2           adds            )         Vy (*           161         161           163         388           7         412           0         436           8         462           6         487           4         512           3         538           3         563		N N N	/A /A /A					
/2 7 /2 7 /2 7 meter as a Tapp Max O.C. 36 36 12 19 18 19 17 14 13 12 11 10	7 1/2 7 1/2 7 1/2 assembly pped Min. Thickne 3/16 3/16 5/16 5/16 5/16 5/16 5/16 5/16 5/16	5 Vx (+ 5 Vx (+ 0 1300 1300 1380 1452 1422 1600 1779 1957 2130 2130 2130 2130 2130 2130	6 5/8 6 5/8 N Superi ) Vy (4 162 163 4 362 163 4 362 163 4 362 163 4 362 163 4 362 163 5 536 5 561 8 587	/A 9 15/16 9 15/16 /A mposed Loa ·) Vx (- 0 0 128- 1366 1433 1411 1588 1766 1944 1588 1766 1944 2220 2300 2488	7         1/2           ads         -)         Vy (-           161         161           181         363           7         412           0         436           6         487           4         512           3         538           3         563           4         585		N N N	/A /A /A					
/2 7 /2 7 /2 7 meter as a Tapp Max O.C. 36 36 12 19 18 19 17 14 13 12 11	7 1/2 7 1/2 7 1/2 assembly pped Min. Thickne 3/16 3/16 5/16 5/16 5/16 5/16 5/16	5 Vx (+ 5 Vx (+ 0 1300 1300 1380 1452 1422 1600 1779 1957 2130 2130 2130 2130 2130 2130	6 5/8 6 5/8 N Superi ) Vy (4 162 163 4 362 0 387 3 411 3 435 4 362 0 387 5 536 5 561 3 587 4 635	/A 9 15/16 9 15/16 /A mposed Loa ·) Vx (- 0 0 128- · 136- 143- 136- 143- 136- 143- 136- 144- 136- 144- 136- 144- 136- 144	7         1/2           ads         -)         Vy (*           161         161           163         363           7         412           0         436           6         487           4         512           3         538           3         563           4         589           2         636		N N N	/A /A /A					
I/2         7           I/2         7           I/2         7           meter as a         Tapp           Max O.C.         36           36         12           19         18           19         17           14         13           12         11           10         15           11         16	7 1/2 7 1/2 7 1/2 3 assembly oped Min. Thickne 3 /16 3 /16 5	5 Vx (+ 5 Vx (+ 0 1300 1300 1380 1455 1425 1455 1	6 5/8 6 5/8 N Superi ) Vy (4 162 163 4 362 163 4 362 163 4 362 163 4 362 163 5 536 5 551 3 587 4 635 2 686 5 711	/A 9 15/16 9 15/16 /A mposed Loa -) Vx (- 0 0 128- 1366 1433 1411 158- 1766 194- 158- 1766 194- 194- 2200 2248 2255 267 283	7         1/2           ads		N N N	/A /A /A					
//2         7           //2         7           //2         7           meter as a         Tapp           Max O.C.         36           36         12           19         18           19         17           14         13           12         11           10         15           11         10	7 1/2 7 1/2 7 1/2 3 assembly oped Min. Thickne 3/16 3/16 5/16 5/16 5/16 5/16 5/16 5/16 5/16 5	5 Vx (+ 5 Vx (+ 0 130- 130- 130- 130- 130- 138- 142: 160- 177: 195: 213- 2	6 5/8 6 5/8 N Superi ) Vy (4 162 163 4 362 163 4 362 163 4 362 163 4 362 163 5 536 5 561 8 587 4 635 2 688 5 711 8 737	/A 9 15/16 9 15/16 /A mposed Loa -) Vx (- 0 0 128- 1366 1433 1411 1588 1766 1944 1358 1766 1944 1358 1766 1945 1366 1945 1945 1957	7         1/2           ads            ads            y         Vy (*           161         161           163         363           7         412           0         4368           4         512           3         538           3         565           4         588           2         637           0         688           2         712           6         738		N N N	/A /A /A					

#### L'TR ORIGINAL ISSUE \*

								CP0020 -	0.0405 Mi	inimum Thio									_	
1.00			A		1						Concret	te Minimum	3,000 PSI	Compressive	Strength (	Anchors are	the same of	diameter as	assembly fa	asteners)
	Windlock	100.00	A. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		Windlock	Assembly	Assembly		Hilti Kv	vik Bolt 3			Simpson	Wedge All		1.1	Red Hea	d Tru-Bolt		1
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 0.0
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
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
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		
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	I/A		9
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	I/A		9
17'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18	1	N	I/A		10	4 1/2	6 3/4	6 7/8		N	N/A	_	9
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	N/A		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	N/A		7
20'-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	N/A	-	
21'-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	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	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	N/A		

							CP0020 - 0	.0405 Minin	num Thickne	ss Galvan	ized or Stain	nless Steel -	60 PSF, Cont.							-
					14	Filled CMU	6		_		1111	Steel (Wa	all anchors are	the same of fasteners)	liameter as	assembly		Superimo	osed Loads	
DBG		Hilti K	wik Bolt 3			Simpson Si	trong-Bolt 2	2	Tł	nrough Bo	olt	w	elded	Through Bolt	Тар	oped		Subcump		
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							8	1/2	5 3/4	12	9/16 x 3/4	12	12	1/4	1648	435	1625	436
15'-5"	-	N/A N/A N/A						-	10	5/8	6 13/16	28	11/16 x 7/8	28	15	5/16	1729	464	1707	466
16'-5"		1	N/A	-		N	I/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	I/A		10	5/8	6 7/8	26	11/16 x 7/8	26	14	5/16	1765	522	1750	524
18'-5"			N/A			N	I/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		1	N	I/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	I/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	V/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	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	-			V/A			N/A	-	11	13/16 x 1	11	11	3/8	3241	823	3227	824





		L'TR				RE	VISIO	V			DATE	BY	E.C.O.
		*	ORIGI	NAL ISS	UE						10/16/14	TJE	1615
		A	REFOR	RMATTE	DTAB	LES; H	DOD S	UPPOR		ATE	02/14/20	MAN	2027
PSF				-				_					
	Strength (/	Anchors are		liameter as	assembly fa	steners)	Doworr W	Vedge-Bolt	_				
e All Wall			1	d Tru-Bolt Min. Wall	1.1. A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A			Min. Wall	Edan Dist				
ick.		Max O.C.	Embed	Thick.	Edge Dist		Embed	Thick.	Edge Dist				
/16	4 9/16	19	3	4 1/2	4 9/16	15	2	3	4 9/16				
/16	5 3/4	11	3	4 1/2 I/A	5 3/4	21	3 1/2	5 1/4 I/A	5 3/4	1			
3/4 3/4	5 3/4 6 13/16			1/A		9	5	7 1/2	6 13/16	1			
3/4	6 7/8			1/A		9	5	7 1/2	6 7/8				
3/4	6 7/8			1/A	_	9	5	7 1/2	6 7/8				
3/4	6 7/8	0		I/A		8	5	7 1/2	6 7/8				
3/4	6 7/8			I/A		7	5	7 1/2	6 7/8				
3/4	6 7/8	1		I/A				I/A					
3/4	6 7/8			I/A				1/A 1/A	_				
1/2 1/2	7 1/2	-		1/A 1/A		-		V/A		•			
	Tapped	ny	Super	imposed Lo	ads								
Max O	.C. Mir Thickr		+) Vy	(+) Vx (	-) Vy (	-)							
36	3/1	16 0	19	5 0	193	3							
36					193	_							
12	1/	_			_	_							
14	-												
14	5/1	_		2 175	0 52	4							
13	5/:	16 19	72 55	3 195	7 55	4							
11													
10													
10						_							
15	_				-	_							
	D	R	Innovativ	re door so	Iutions."	24 ELM MOUN P: 800 F: 800	TAINT(	op, pa		LITCHFIELD RD DYEAR, AZ	0.00		inches & are: .031
E:	10/1		0.41		NEL	E: ADS	S@COF	RNELLI	RON.CO	DRAWN BY:		S = +/- 1 SCALE:	/2 DEG SHEET:
									OR	TJE DWG NO:	В		48/53
C	P00	20 5	SLAT	NO	N-IM	PAC	TR/	ATE	)	ES	-16-62	2-CIW	

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REFORMATTED TABLES;

				_				CP0020 -	0.0405 M	inimum Thio													
			1		1000		1.1.1	1.000			Concret	e Minimum	3,000 PSI	Compressive	Strength (A	Anchors are	the same of	liameter as a	assembly fa	isteners)			
DBG	Windlock		1.1.2.1.1.1.1	Guide	Windlock	Assembly	Assembly	G	Hilti Kw	vik Bolt 3	1.11		Simpson	Wedge All			Red Head	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 Di
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 9/1
5'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	16         2 3/8         4         5 3/4           8         3 1/2         5 1/4         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	5 1/4	5 3/4	8	4 1/2	6 3/4	5 3/4		N	/A			N	I/A		
15'-5"	1 5/8	0.781	CP1152 & CP1153	546	7	5/8	18		I/A		10	4 1/2	6 3/4	6 7/8		N	/A		8	5	7 1/2	6 7/8	
16'-5"	1 3/4	0.906	CP1152 & CP1153	546	7	5/8	18		N	I/A		9	4 1/2	6 3/4	6 7/8		N	/A		8	5	7 1/2	6 7/8
17'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	18		N	I/A		9	4 1/2	6 3/4	6 7/8		N	/A		8	5	7 1/2	6 7/8
18'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	16		N	I/A		8	4 1/2	6 3/4	6 7/8		N	/A		7	5	7 1/2	6 7/8
19'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15	1.	N	I/A		7	4 1/2	6 3/4	6 7/8		N	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			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	1.	N	I/A			N	I/A	

							CP0020 - 0	.0405 Minin	num Thickne	ss Galvar	nized or Stain	nless Steel -	65 PSF, Cont.							
-						Filled CML	J					Steel (Wa	all anchors are	the same of fasteners)	diameter as	assembly		Superimo	osed Loads	
DBG		Hilti H	wik Bolt 3	1		Simpson S	trong-Bolt 2		т	nrough Bo	olt	w	elded	Through Bolt	Тар	oped		Subernite	5550 20803	
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	0 3/4 5 1/4 5 3/4 N/A				3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	179	0	177
14'-5"	0		N/A			N	N/A		8	1/2	5 3/4	12	9/16 x 3/4	12	12	1/4	1820	472	1796	472
15'-5"			N/A			N	V/A		10	5/8	6 7/8	24	11/16 x 7/8	24	13	5/16	1904	503	1880	505
16'-5"			N/A			P	V/A		9	5/8	6 7/8	23	11/16 x 7/8	23	13	5/16	1986	535	1965	537
17'-5"	1		N/A			N	N/A		9	5/8	6 7/8	24	11/16 x 7/8	24	13	5/16	1935	566	1919	568
18'-5"			N/A			N	N/A		8	5/8	6 7/8	21	11/16 x 7/8	21	12	5/16	2158	599	2142	601
19'-5"			N/A			P	N/A		7	5/8	6 7/8	19	11/16 x 7/8	19	10	5/16	2381	632	2365	634
20'-5"		-	N/A			N	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			P	N/A		8	3/4	7 1/2	15	13/16 x 1	15	15	3/8	3113	826	3097	827





CP0020 SLAT NON-IMPACT RATED

REVISION	DATE	BY	E.C.O.
	10/16/14	TJE	1615
; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

ELMWOOD AVE 1901 S. JNTAINTOP, PA GOO		dimens	otherwise specified, ions are in inches & blerances are:
00.233.8366 00.526.0841 \DS@CORNELLIRON.CO	ом	FRAC	000 = +/- 0.031 TIONAL = +/- 1/32 LES = +/- 1/2 DEG
RATION	DRAWN BY: TJE	SIZE: B	SCALE: SHEET: AS NOTED 49/53
STEEL DOOR	DWG NO: ES	-16-6	2-CIW

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ORIGINAL ISSUE

REFORMATTED TABLES

								CP0020 -	0.0405 Mi	inimum Thic										
_											Concret	te Minimum	3,000 PSI	Compressive	Strength (/	Anchors are	the same	diameter as	assembly f	asteners)
-	Windlock			c. 14	Windlock	Assembly	Assembly		Hilti Kw	vik Bolt 3			Simpson	Wedge All			Red Hea	d Tru-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.
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
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
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		N	N/A		8
15'-5"	1 5/8	0.781	CP1152 & CP1153	546	7	5/8	18		N	I/A		9	4 1/2	6 3/4	6 7/8		N	N/A		8
16'-5"	1 3/4	0.906	CP1152 & CP1153	546	7	5/8	17		N	I/A		8	4 1/2	6 3/4	6 7/8		N	N/A		7
17'-5"	2	1.156	CP1152 & CP1153	546	7	5/8	16	Simpson Wedge All         Red Head Tru-Bolt           Max O.C.         Embed         Min. Wall Thick.         Edge Dist         Max O.C.         Embed         Min. Wall Thick.         Min. Wall Thick.         <							7					
18'-5"	2	1.156	CP1152 & CP1153	546	6	5/8	15	Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as as simply renering Max O.C.         Red Head Tru-Bolt           Max O.C.         Embed         Min. Wall Thick.         Edge Dist         Max O.C.         Embed         Min. Wall Thick.         Min. Wall Thick.         Edge Dist         Max O.C.         Embed         Min. Wall Thick.         Max O.C.         Embed         Min. Wall Thick.         Embed         Min. Wall Thick.         Max O.C.         Embed												
19'-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	A/A		-
20'-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	
21'-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
22'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	18		M	I/A		8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2	
23'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	17		N	I/A		7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2	1
24'-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	N/A		

							CP0020 - 0	.0405 Minin	num Thickne	ss Galvan	ized or Stain	nless Steel -	70 PSF, Cont.					-		_
					1	Filled CMU	1					Steel (Wa	all anchors are	the same d asteners)	liameter as	assembly		Superimp	osed Loads	
DBG	1.0	Hilti K	wik Bolt 3			Simpson S	trong-Bolt 2		T	nrough Bo	lt	w	elded	Through Bolt	Тар	oped		Superimpt	500 00005	
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		1.000	N	I/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         N/A					I/A		8	5/8	6 7/8	21	11/16 x 7/8	21	12	5/16	2163	576	2141	578
17'-5"		13	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"			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"		1	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	I/A	- 10.03	9	3/4	7 1/2	36	13/16 x 1	36	20	3/8	2314	713	2298	714
21'-5"			N/A			1	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		0.0	1	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	-		P	A/A	-	7	3/4	1 1/2	30	13/16 x 1	30	16	3/8	2936	819	2920	820
24'-5"			N/A	-	1	1	N/A		7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	3148	855	3132	856





CP0020 SLAT NON-IMPA

S; HOOD SUPPORT UPDATE 02/14/20 MAN 2027	RE	VISION	1		DATE	BY	E.C.O
rs) Powers Wedge-Bolt O.C. Embed Min. Wall Thick. Edge Dist 5 2 3 4 9/16 1 3 1/2 5 1/4 5 3/4 8 5 7 1/2 6 7/8 8 5 7 1/2 6 7/8 7 5 7 1/2 6 7/8 7 5 7 1/2 6 7/8 N/A N/A N/A N/A N/A N/A					10/16/14	TJE	1615
Powers Wedge-Bolt           O.C.         Embed         Min. Wall Thick.         Edge Dist           5         2         3         4 9/16           1         3 1/2         5 1/4         5 3/4           8         5         7 1/2         6 7/8           7         5         7 1/2         6 7/8           7         5         7 1/2         6 7/8           N/A         N/A         N/A           N/A         N/A         N/A	S; H(		UPPOR	T UPDATE	02/14/20	MAN	2027
Powers Wedge-Bolt           O.C.         Embed         Min. Wall Thick.         Edge Dist           5         2         3         4 9/16           1         3 1/2         5 1/4         5 3/4           8         5         7 1/2         6 7/8           7         5         7 1/2         6 7/8           7         5         7 1/2         6 7/8           N/A         N/A         N/A           N/A         N/A         N/A           N/A         N/A         N/A							
Powers Wedge-Bolt           O.C.         Embed         Min. Wall Thick.         Edge Dist           5         2         3         4 9/16           1         3 1/2         5 1/4         5 3/4           8         5         7 1/2         6 7/8           7         5         7 1/2         6 7/8           7         5         7 1/2         6 7/8           N/A         N/A         N/A           N/A         N/A         N/A							
Powers Wedge-Bolt           O.C.         Embed         Min. Wall Thick.         Edge Dist           5         2         3         4 9/16           1         3 1/2         5 1/4         5 3/4           8         5         7 1/2         6 7/8           7         5         7 1/2         6 7/8           7         5         7 1/2         6 7/8           N/A         N/A         N/A           N/A         N/A         N/A	rs)	_					
O.C.         Ended         Thick.         Edge 503           5         2         3         4 9/16           1         3 1/2         5 1/4         5 3/4           8         5         7 1/2         6 7/8           7         5         7 1/2         6 7/8           7         5         7 1/2         6 7/8           7         5         7 1/2         6 7/8           N/A         N/A         N/A           N/A         N/A           N/A         N/A           N/A         N/A		Powers W	edge-Bolt				
1     3 1/2     5 1/4     5 3/4       8     5     7 1/2     6 7/8       8     5     7 1/2     6 7/8       7     5     7 1/2     6 7/8       7     5     7 1/2     6 7/8       N/A     N/A       N/A     N/A       N/A     N/A       N/A     N/A	O.C.	Embed	Min. Wall Thick.	Edge Dist			
3     5     7 1/2     6 7/8       3     5     7 1/2     6 7/8       7     5     7 1/2     6 7/8       7     5     7 1/2     6 7/8       N/A     N/A       N/A     N/A       N/A     N/A       N/A     N/A	_						
8         5         7         1/2         6         7/8           7         5         7         1/2         6         7/8           7         5         7         1/2         6         7/8           N/A         N/A         N/A         N/A           N/A         N/A         N/A           N/A         N/A         N/A	_						
7 5 7 1/2 6 7/8 7 5 7 1/2 6 7/8 N/A N/A N/A N/A N/A N/A N/A							
7 5 7 1/2 6 7/8 N/A N/A N/A N/A N/A N/A N/A							
N/A N/A N/A N/A N/A N/A							
N/A N/A N/A N/A N/A	-			5.114			
N/A N/A N/A							
N/A N/A		N	/A				
N/A							
1911		N	/^				

ELMWOOD AVE 1901 S. JNTAINTOP, PA GOO		dimensi	otherwise specified, ions are in inches & olerances are:
00.233.8366 00.526.0841 \DS@CORNELLIRON.C(	MC	FRAC	000 = +/- 0.031 TIONAL = +/- 1/32 .ES = +/- 1/2 DEG
IRATION	DRAWN BY: TJE	SIZE: B	SCALE: SHEET: AS NOTED 50/53
STEEL DOOR	DWG NO: ES	-16-6	2-CIW

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**ORIGINAL ISSUE** 

REFORMATTED TABLES

							_	CP0020 -	0.0405 Mi	inimum Thio	kness Galva	anized or St	ainless Ste	el - 80 PSF									
											Concret	e Minimum	3,000 PSI	Compressive	Strength (/	Anchors are	the same of	diameter as	assembly fa	steners)			
DBG	Windlock	1.7.1	100000	Guide	Windlock	Assembly	Assembly		Hilti Kw	vik Bolt 3	21.721	1	Simpson	Wedge All	1000		Red Hea	d Tru-Bolt	100			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/A N/A			8	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			N	I/A		
16'-5"	1 3/4	0.906	CP1152 & CP1153	546	6	5/8	14		N	I/A		7	4 1/2	6 3/4	6 7/8		N	I/A			N	I/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	1/A			N	I/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	I/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		N	I/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	I/A	
21'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	17		N	I/A	-	7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2		N	I/A	
22'-5"	2 1/2	1.656	CP1152 & CP1153	648	5	3/4	16		N	I/A		7	5	7 1/2	7 1/2		N	I/A			N	I/A	-

						Filled CML	ñ					Steel (W	all anchors are	the same of fasteners)	diameter as	assembly		Superimp	osed Loads	
DBG		Hilti K	wik Bolt 3			Simpson S	trong-Bolt 2		т	hrough Bo	olt	w	elded	Through Bolt	Тар	oped		Sobermity	520 20803	
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"	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"		1	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		11	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"	1		N/A		111.5	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"		3	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		I ROOM	N	I/A	-	9	3/4	7 1/2	35	13/16 x 1	35	19	3/8	2437	737	2414	737
19'-5"		1	N/A			N	I/A		9	3/4	7 1/2	35	13/16 x 1	35	19	3/8	2444	775	2425	776
20'-5"			N/A			N	I/A		8	3/4	7 1/2	32	13/16 x 1	32	17	3/8	2674	815	2655	816
21'-5"	N/A N/A				7	3/4	7 1/2	30	13/16 x 1	30	16	3/8	2905	856	2887	857				
22'-5"		N/A N/A N/A N/A			I/A		7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	3140	896	3122	897		





CP0020 SLAT NON-IMPACT RATED

REVISION	DATE	BY	E.C.O.
An a standard at a	10/16/14	TJE	1615
S; HOOD SUPPORT UPDATE	02/14/20	MAN	2027

L'TR
\* ORIGINAL ISSUE

		1.000					12000				Concret	e Minimum	3,000 PSI	Compressive	Strength (/	Anchors are	the same of	diameter as a	assembly fa	steners)			
DBG	Windlock	12.	1.000	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 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 9/1
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	I/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	1	N	I/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	I/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	-	N	I/A		8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2		N	I/A	
19'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	17		N	I/A	-	7	5	7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2	-	N	I/A	
20'-5"	2 1/2	1.656	CP1152 & CP1153	648	6	3/4	16		N	/A	-	7	5	7 1/2	7 1/2		N	I/A			N	I/A	

- 1						Filled CMU						Steel (Wa	all anchors are	the same d asteners)	liameter as	assembly		Superimpo	osed Loads	
DBG		Hilti Kv	vik Bolt 3			Simpson S	trong-Bolt 2	1	т	hrough Bo	olt	w	elded	Through Bolt	Тар	oped		Superimpt	iseu Loaus	
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	/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	/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	/A		8	3/4	7 1/2	30	13/16 x 1	30	16	3/8	2886	743	2848	744
17'-5"		1	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"	1		N/A		1	N	/A		8	3/4	7 1/2	31	13/16 x 1	31	17	3/8	2773	829	2748	830
19'-5"		1	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"		1	N/A			N	/A		7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	3033	918	3013	919





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# L'TR \* ORIGINAL ISSUE

						1	_	CP0020 -	0.0405 Min	nimum Thic	kness Galva	nized or Sta	inless Stee	el - 100 PSF									
	1.000								100		Concret	e Minimum	3,000 PSI (	Compressive	e Strength (/	Anchors are	the same d	liameter as	assembly fa	steners)			
DBG	Windlock		1	Guide		Assembly			Hilti Kw	vik 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 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		N	/A	1
15'-5"	1 5/8	0.781	CP1152 & CP1153	648	5	3/4	17		N	/A	-	7	5	7 1/2	7 1/2		N.	/A	100		N	/A	-
16'-5"	1 3/4	0.906	CP1152 & CP1153	648	5	3/4	17		N	/A		7	5	7 1/2	7 1/2		N	/A			N	/A	
17'-5"	2	1.156	CP1152 & CP1153	648	5	3/4	16		N	/A		7	5	7 1/2	7 1/2		N					/A	
18'-5"	2 1/4	1.406	CP1152 & CP1153	648	5	3/4	16		N,	/A	1	7	5	7 1/2	7 1/2		N					1/A	
19'-5"	2 1/2	1.656	CP1152 & CP1153	648	5	3/4	15		N	/A		7	5	7 1/2	7 1/2		N				N	/A	

						Filled CML	J					Steel (Wa	all anchors are	the same d fasteners)	liameter as	assembly		Summinum	and the state	
DBG		Hilti K	wik Bolt 3		1	Simpson S	trong-Bolt 2	2	Т	hrough 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	I/A		7	3/4	7 1/2	29	13/16 x 1	29	15	3/8	3057	728	3004	729
15'-5"	1	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"			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"	12000	1	N/A			N	I/A	-	7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	3111	969	3089	970





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ELMWOOD AVE 1901 S. INTAINTOP, PA GOO	and the second se	dimensi	otherwise specified, ions are in inches & olerances are:
00.233.8366 00.526.0841 DS@CORNELLIRON.CO	MC	FRAC	000 = +/- 0.031 TIONAL = +/- 1/32 .ES = +/- 1/2 DEG
RATION	DRAWN BY: TJE	SIZE: B	SCALE: SHEET: AS NOTED 53/53
STEEL DOOR		-16-6	2-CIW