

REVISION	DATE	BY	E.C.O.
	10/20/14	TJE	1615
DLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

DRAWN BY:

DWG NO:

TJE

dimensions are in inches &

tolerances are:

0.000 = +/-0.031

FRACTIONAL = +/- 1/32

ANGLES = +/- 1/2 DEG

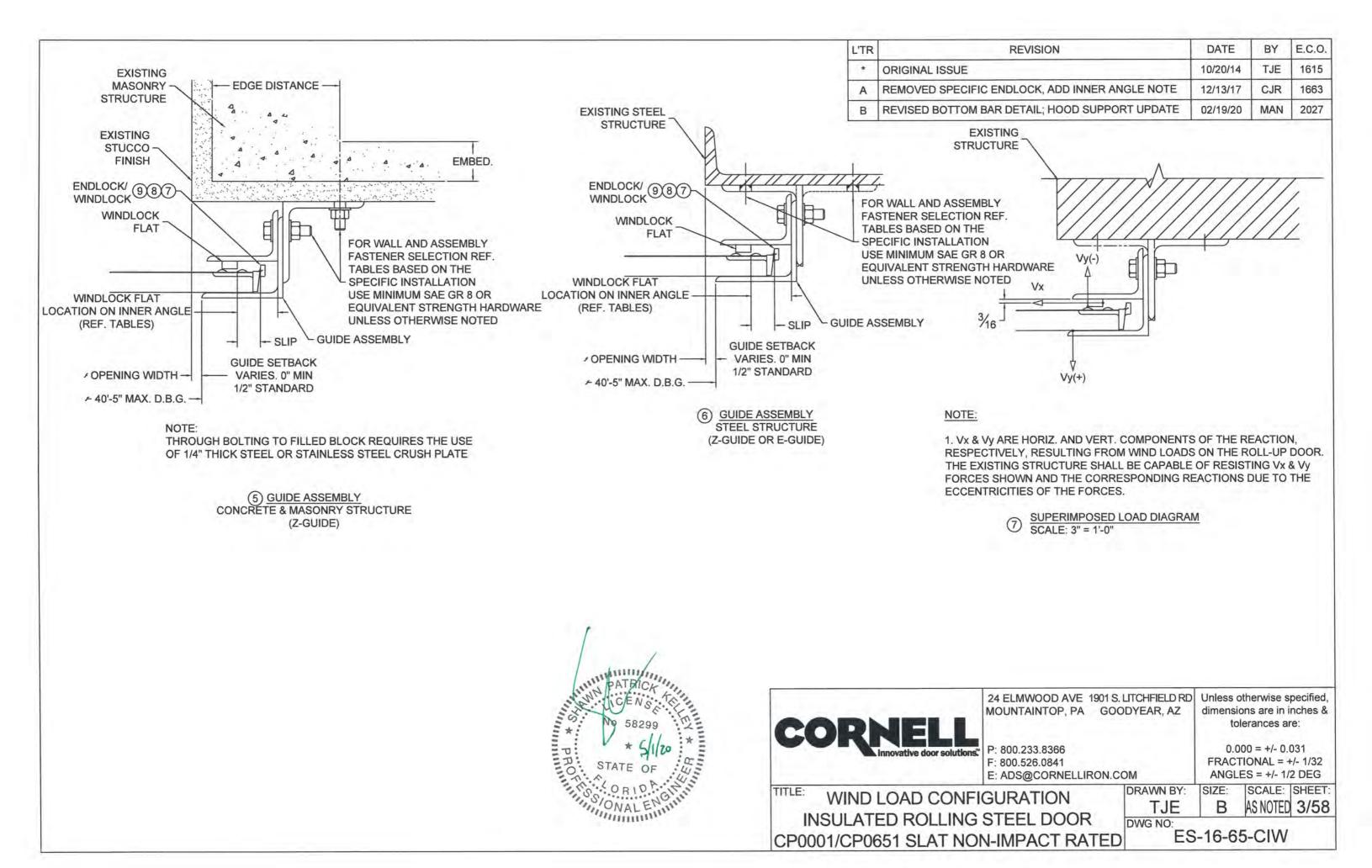
SCALE: SHEET

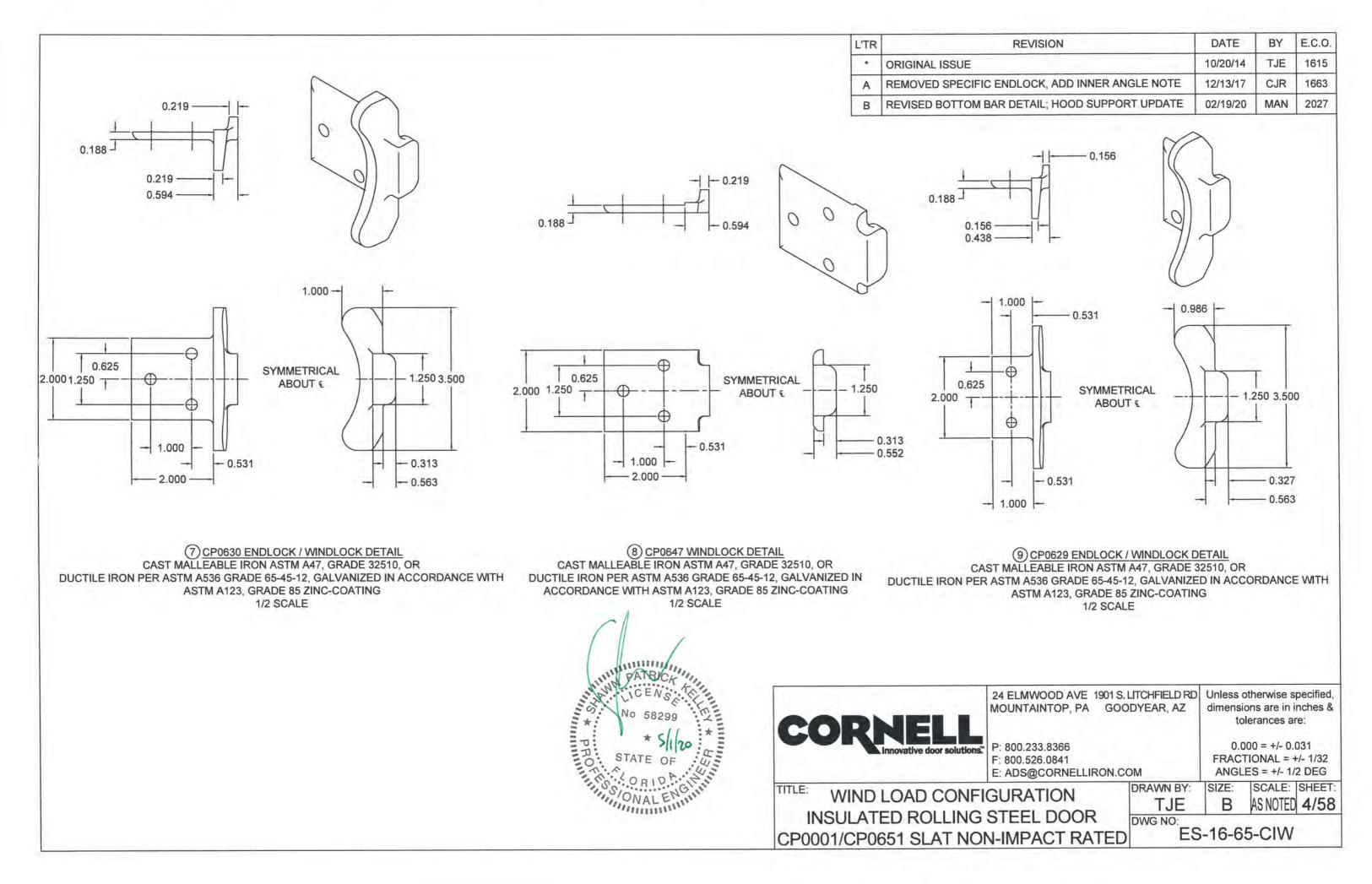
AS NOTED 2/58

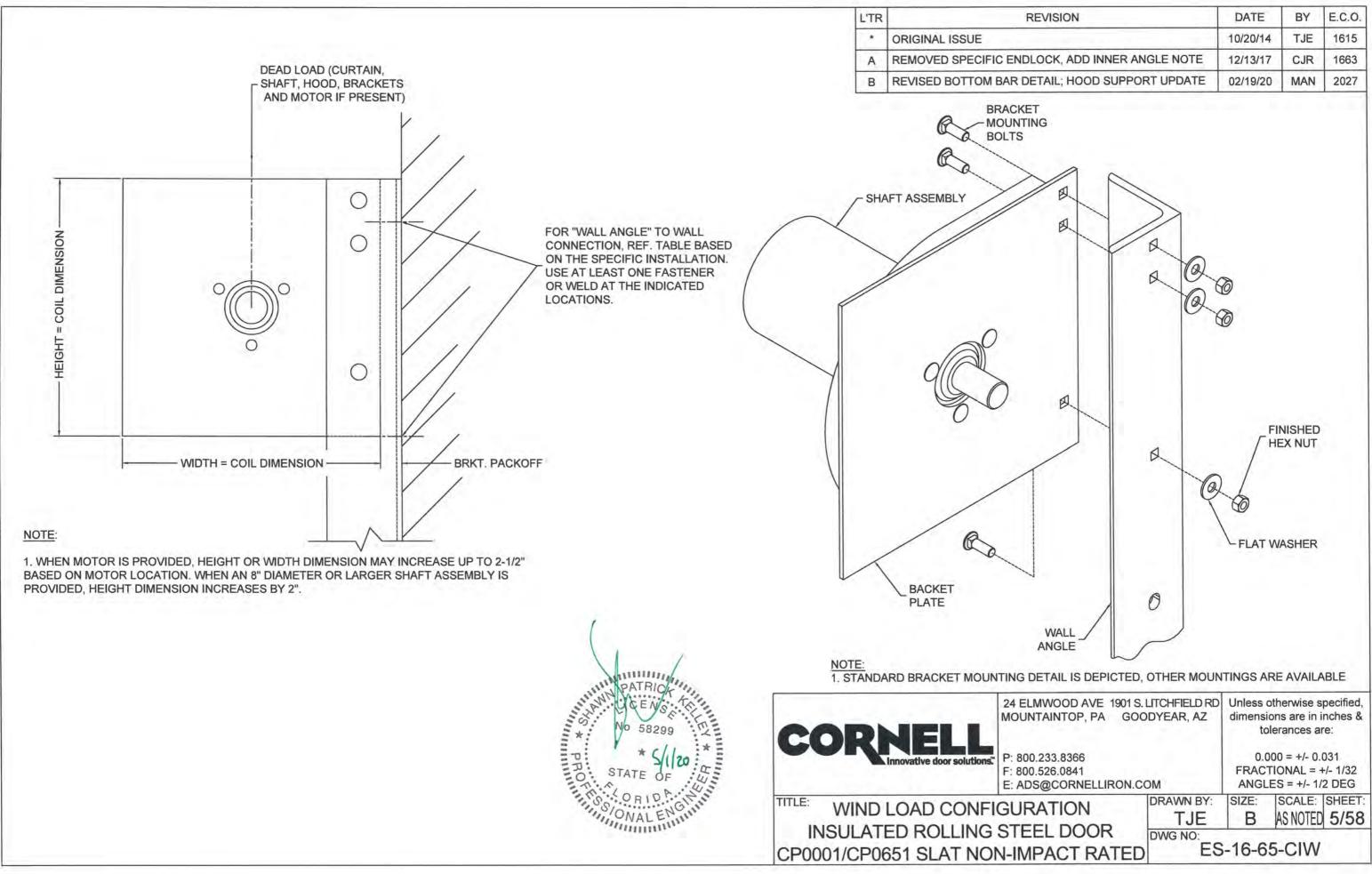
SIZE:

В

ES-16-65-CIW

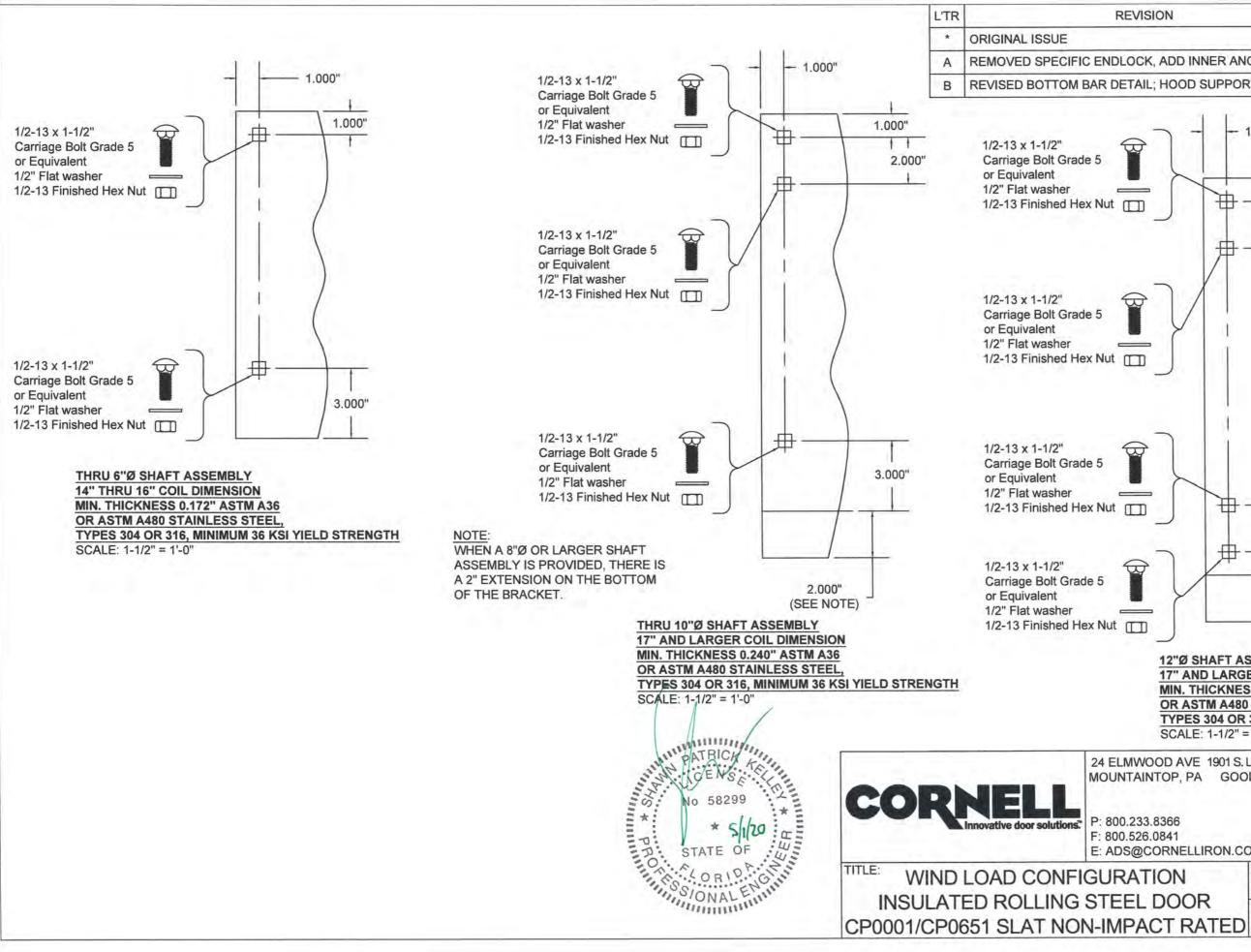




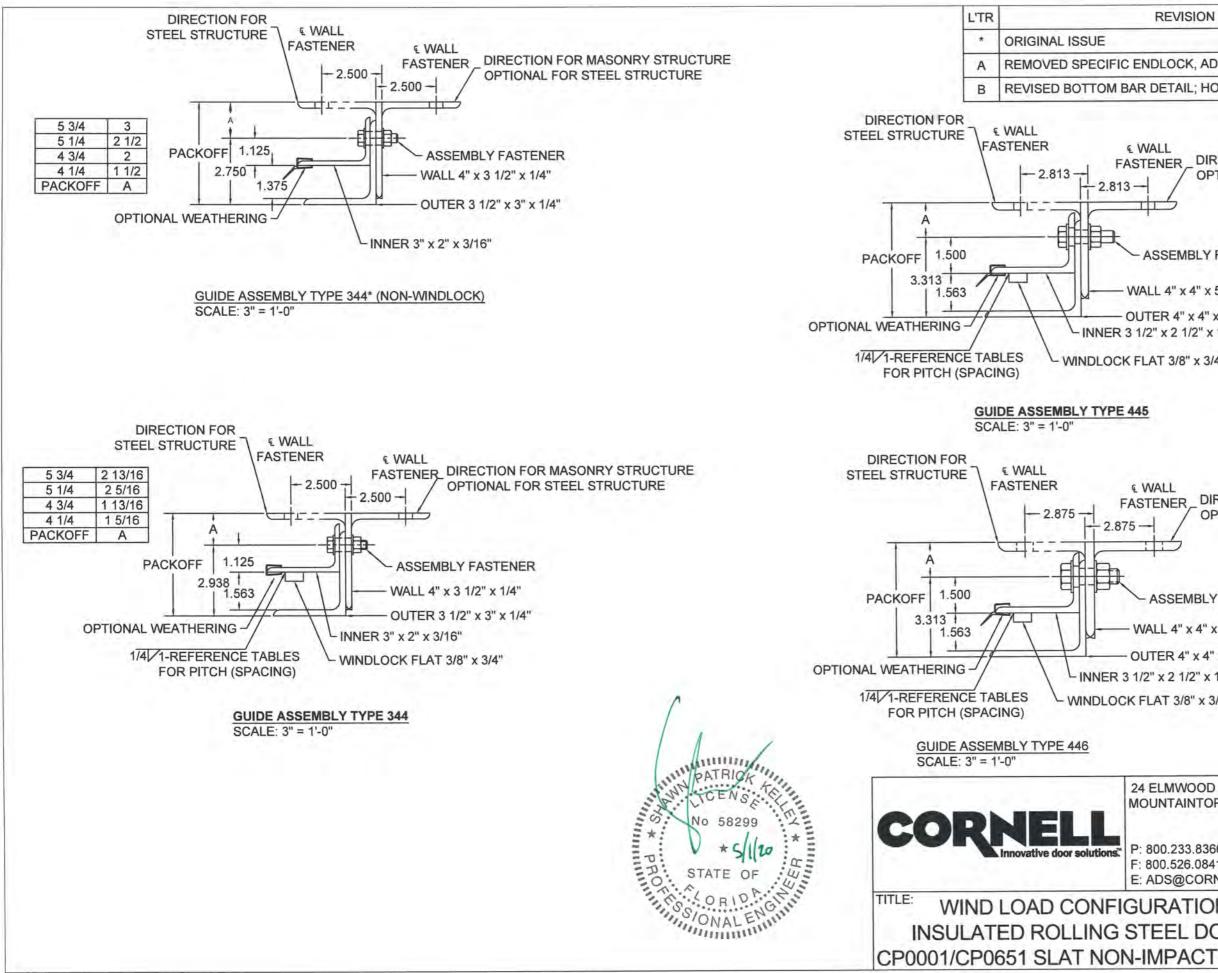


REVISION	DATE	BY	E.C.O.
	10/20/14	TJE	1615
DLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

ELMWOOD AVE 1901 S. UNTAINTOP, PA GOO	and a property of the property of the second	the second se					
800.233.8366 800.526.0841 ADS@CORNELLIRON.CO	ом	FRAC	000 = +/- 0.0 TIONAL = + .ES = +/- 1/2	-/- 1/32			
IRATION	DRAWN BY: TJE	SIZE: B	SCALE: AS NOTED				
EEL DOOR MPACT RATED	ES-16-65-CIW						



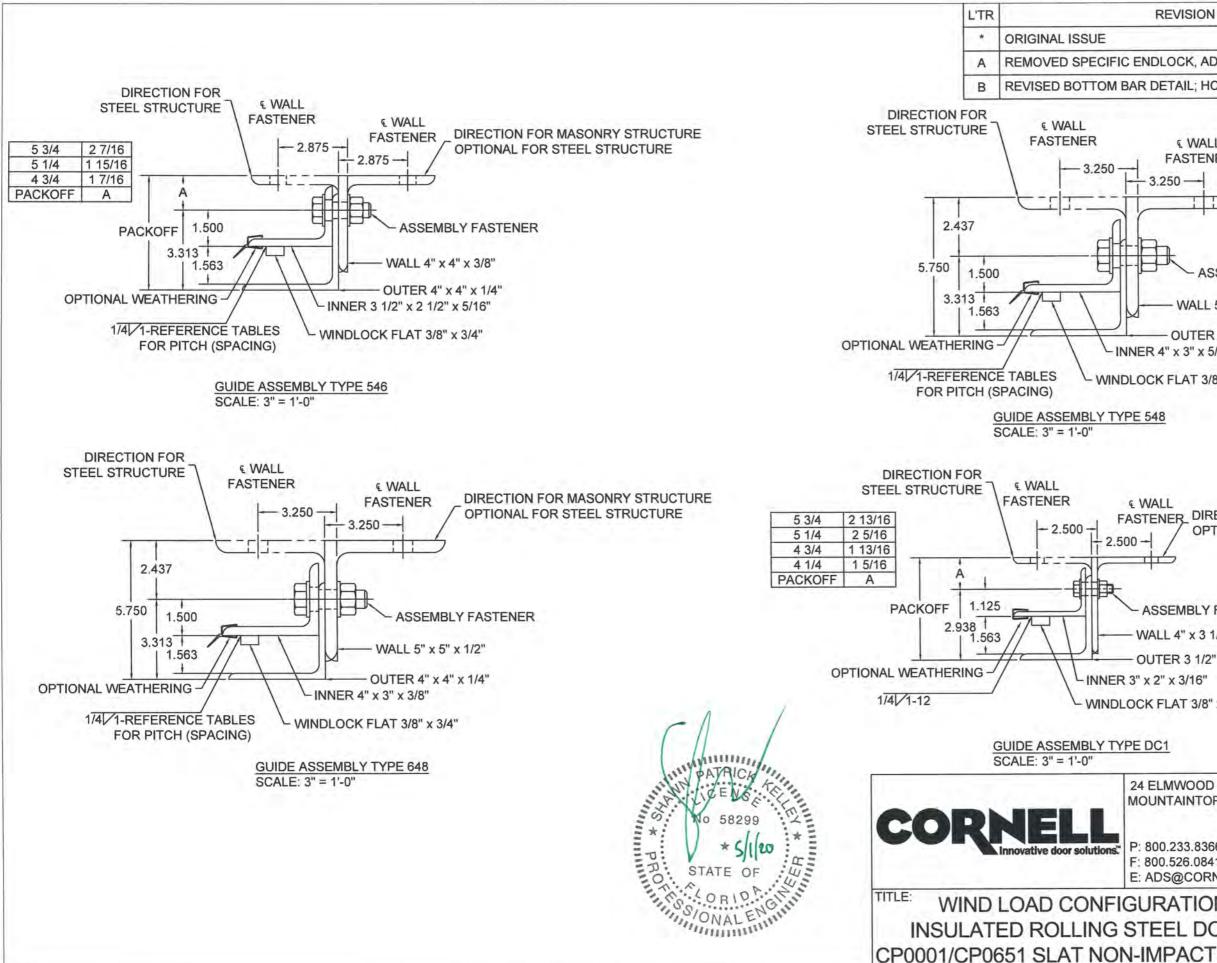
REVISION	DATE	BY	E.C.O.			
	10/20/14	TJE	1615			
DLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663			
DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027			
	1 000" 1 1 2.000" 1					
			1			
	1 3.0 2.000" 1	5.0 000" 	000"			
12"Ø SHAFT ASSEMBLY 17" AND LARGER COIL DIM MIN. THICKNESS 0.240" AST OR ASTM A480 STAINLESS TYPES 304 OR 316, MINIMU SCALE: 1-1/2" = 1'-0"	MA36 STEEL,	LD STR	ENGTH			
ELMWOOD AVE 1901 S. LITCHFIELD RE JNTAINTOP, PA GOODYEAR, AZ	dimension		inches &			
00.233.8366 00.526.0841 DS@CORNELLIRON.COM	FRACTIO	S = +/- 1/	+/- 1/32 /2 DEG			
RATION DRAWN BY:	and the second se	SCALE:	SHEET:			
EEL DOOR DWG NO:		-				
IPACT RATED ES	S-16-65-CIW					



	40/00/44		
	10/20/14	TJE	1615
IDLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027
ALL ENER DIRECTION FOR MASONRY OPTIONAL FOR STEEL STRU ASSEMBLY FASTENER LL 4" x 4" x 5/16" TER 4" x 4" x 1/4" 2" x 2 1/2" x 1/4" AT 3/8" x 3/4"	5 3/4 5 1/4	2 7/16 1 15/16 1 7/16 A	
DIDEOTION FOD MACONDY		E	
ASSEMBLY FASTENER		E	
		E	
ASSEMBLY FASTENER	UCTURE 5 3/4	E 2 7/16 1 15/16	
ASSEMBLY FASTENER ALL 4" x 4" x 3/8" TER 4" x 4" x 1/4"	5 3/4 5 1/4 4 3/4	2 7/16 1 15/16 1 7/16	
ASSEMBLY FASTENER	5 3/4 5 1/4 4 3/4 PACKOFF	2 7/16 1 15/16 1 7/16 A	
ELMWOOD AVE 1901 S. LITCHFIELD R	5 3/4 5 1/4 4 3/4 PACKOFF	2 7/16 1 15/16 1 7/16 A	inches &
ASSEMBLY FASTENER ALL 4" x 4" x 3/8" ITER 4" x 4" x 1/4" " x 2 1/2" x 1/4" LAT 3/8" x 3/4" ELMWOOD AVE 1901 S. LITCHFIELD R OUNTAINTOP, PA GOODYEAR, AZ 800.233.8366 300.526.0841	D Unless oth dimension 0.00 FRACTIO	$\frac{27/16}{115/16}$ $\frac{17/16}{A}$	inches & re: .031 +/- 1/32
ASSEMBLY FASTENER ALL 4" x 4" x 3/8" TER 4" x 4" x 3/8" TER 4" x 4" x 1/4" 2" x 2 1/2" x 1/4" LAT 3/8" x 3/4" ELMWOOD AVE 1901 S. LITCHFIELD R OUNTAINTOP, PA GOODYEAR, AZ 800.233.8366 B00.526.0841 ADS@CORNELLIRON.COM	D Unless oth dimension tole 0.00 FRACTIN ANGLE	$\frac{2 7/16}{1 15/16}$ $\frac{1 7/16}{A}$ herwise s is are in rances a 0 = +/- 0. ONAL = S = +/- 1. SCALE:	inches & re: 031 +/- 1/32 /2 DEG SHEET:
ASSEMBLY FASTENER ASSEMBLY FASTENER ALL 4" x 4" x 3/8" ITER 4" x 4" x 1/4" 2" x 2 1/2" x 1/4" LAT 3/8" x 3/4" ELMWOOD AVE 1901 S. LITCHFIELD R OUNTAINTOP, PA GOODYEAR, AZ 800.233.8366 800.526.0841 ADS@CORNELLIRON.COM	D Unless oth dimension tole 0.00 FRACTIN ANGLE	$\frac{27/16}{115/16}$ $\frac{17/16}{A}$ merwise s ins are in rances a 0 = +/-0. ONAL = S = +/-1.	inches & re: .031 +/- 1/32 /2 DEG SHEET:

DATE

BY E.C.O.



DLOCK, ADD INNER ANGLE NOTE			
	12/13/17	CJR	1663
DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027
WALL FASTENER DIRECTION FOR I OPTIONAL FOR S OPTIONAL FOR			JRE
ALL ENER_ DIRECTION FOR MASONRY S OPTIONAL FOR STEEL STRUC	TRUCTURE		
SSEMBLY FASTENER			
SSEMBLY FASTENER ALL 4" x 3 1/2" x 1/4" JTER 3 1/2" x 3" x 1/4" 2" x 3/16"			
ALL 4" x 3 1/2" x 1/4" JTER 3 1/2" x 3" x 1/4" 2" x 3/16"			
ALL 4" x 3 1/2" x 1/4" JTER 3 1/2" x 3" x 1/4"			
ALL 4" x 3 1/2" x 1/4" JTER 3 1/2" x 3" x 1/4" 2" x 3/16" 3 FLAT 3/8" x 3/4" 9 <u>C1</u> ELMWOOD AVE 1901 S. LITCHFIELD RE	dimension		nches 8
ALL 4" x 3 1/2" x 1/4" DTER 3 1/2" x 3" x 1/4" 2" x 3/16" FLAT 3/8" x 3/4" C1 ELMWOOD AVE 1901 S. LITCHFIELD RE JNTAINTOP, PA GOODYEAR, AZ	dimension toler 0.000 FRACTIO ANGLES	s are in in rances ar 0 = +/- 0.0 DNAL = + S = +/- 1/2	nches 8 re: 031 -/- 1/32 2 DEG
ALL 4" x 3 1/2" x 1/4" ITER 3 1/2" x 3" x 1/4" 2" x 3/16" FLAT 3/8" x 3/4" C1 ELMWOOD AVE 1901 S. LITCHFIELD RE JNTAINTOP, PA GOODYEAR, AZ 00.233.8366 00.526.0841 DS@CORNELLIRON.COM RATION DRAWN BY:	dimension toler 0.000 FRACTIO ANGLES SIZE:	s are in ii rances ar) = +/- 0.(DNAL = + S = +/- 1/2 SCALE:	nches 8 re: 031 -/- 1/32 2 DEG SHEET
ALL 4" x 3 1/2" x 1/4" UTER 3 1/2" x 3" x 1/4" 2" x 3/16" 5 FLAT 3/8" x 3/4" C1 ELMWOOD AVE 1901 S. LITCHFIELD RE UNTAINTOP, PA GOODYEAR, AZ 00.233.8366 00.526.0841 DS@CORNELLIRON.COM	dimension toler 0.000 FRACTIO ANGLES SIZE:	s are in in rances ar 0 = +/- 0.0 DNAL = + S = +/- 1/2	nches 8 re: 031 -/- 1/32 2 DEG SHEET

BY

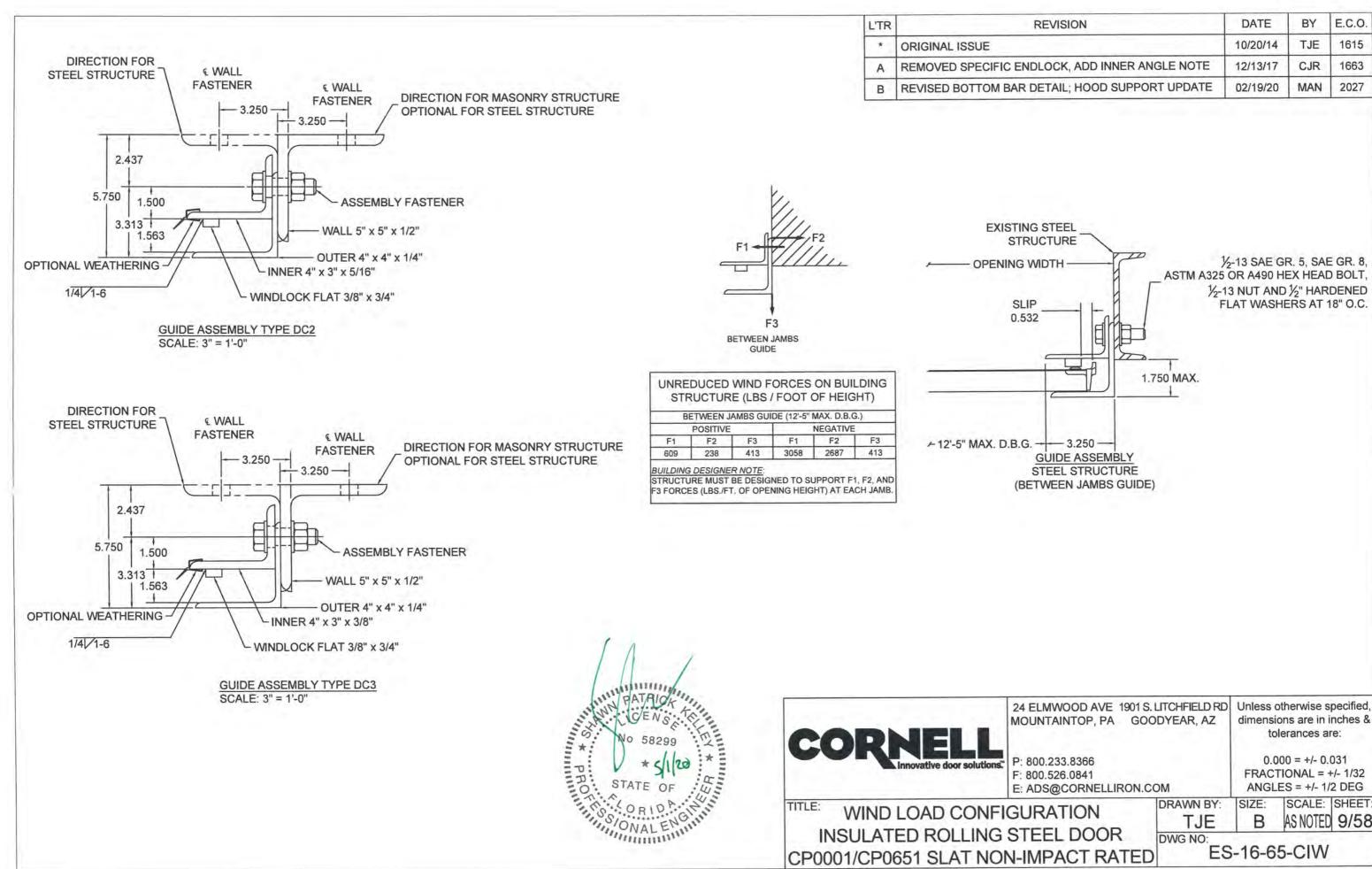
TJE

DATE

10/20/14

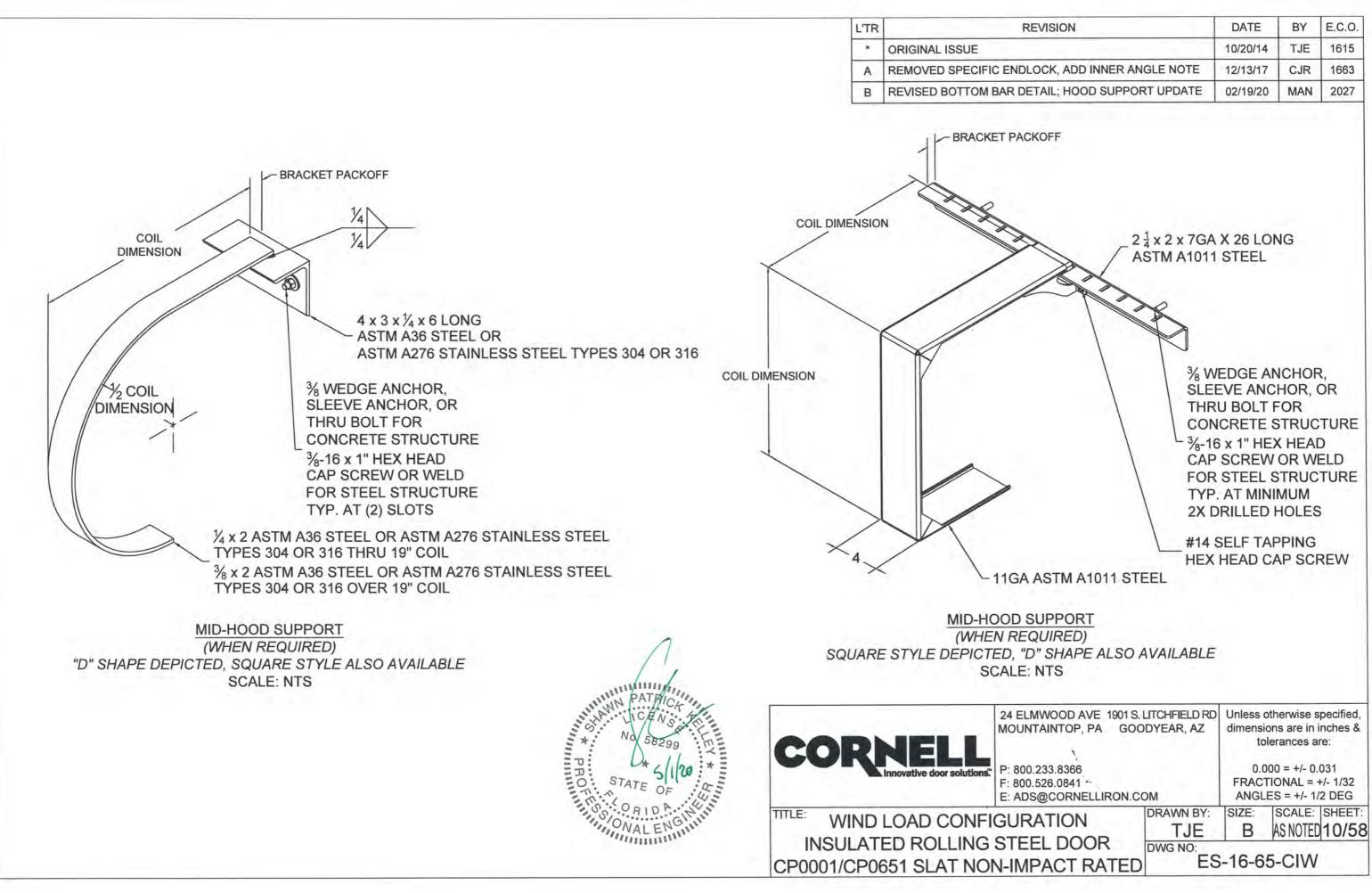
E.C.O.

1615



REVISION	DATE	BY	E.C.O.
	10/20/14	TJE	1615
DLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
DETAIL; HOOD SUPPORT UPDATE	02/19/20	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				
RATION	DRAWN BY: TJE	SIZE:	SCALE: SHEET: AS NOTED 9/58				
EEL DOOR MPACT RATED	ES-16-65-CIW						



REVISION	DATE	BY	E.C.O.
	10/20/14	TJE	1615
DLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

L'TR	
*	ORIGINAL ISSUE
A	REMOVED SPECIFIC END
В	REVISED BOTTOM BAR

		_				_		CPOO	01/CP0651 -	0.0220/0.0	220 Minin		ess Galvani					_	_								
000 000 <th></th> <th></th> <th></th> <th></th> <th></th> <th>1.0</th> <th>11</th> <th>1000</th> <th></th> <th></th> <th></th> <th>Concre</th> <th>te Minimum</th> <th></th> <th></th> <th>Strength (A</th> <th>nchors are</th> <th></th> <th></th> <th>assembly fa</th> <th>steners)</th> <th>D</th> <th>- des Delt</th> <th></th> <th></th> <th></th> <th></th>						1.0	11	1000				Concre	te Minimum			Strength (A	nchors are			assembly fa	steners)	D	- des Delt				
mite mite <th< th=""><th>To</th><th>Flat</th><th>Slip</th><th>Windlock</th><th></th><th>Weld</th><th>Fastener</th><th>Fastener</th><th>MaxOC</th><th></th><th>Min. Wall</th><th>Edge Dist</th><th>MaxOC</th><th></th><th>Min. Wall</th><th>Edge Dist</th><th>Max O.C.</th><th>1.1.1.1.1</th><th>Min. Wall</th><th>Edge Dist</th><th>Max O.C.</th><th>7.9.71</th><th>Min. Wall</th><th>Edge Dist</th><th></th><th></th><th></th></th<>	To	Flat	Slip	Windlock		Weld	Fastener	Fastener	MaxOC		Min. Wall	Edge Dist	MaxOC		Min. Wall	Edge Dist	Max O.C.	1.1.1.1.1	Min. Wall	Edge Dist	Max O.C.	7.9.71	Min. Wall	Edge Dist			
0x No. No	L		N/A	N/A	1.1.1.1.1.1									_													
100 100 <td></td> <td>4</td> <td>5 3/4</td> <td>32</td> <td></td>											4	5 3/4	32														
no. no. tota											-																
10% 10% <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td>																							-				
11/4" NA NA <																											
100 100 <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td>3</td> <td>4 1/2</td> <td>5 3/4</td> <td>14</td> <td>2</td> <td>3</td> <td>5 3/4</td> <td></td> <td></td> <td></td>					-													3	4 1/2	5 3/4	14	2	3	5 3/4			
1000 1000 <th< td=""><td></td><td>N/A</td><td>N/A</td><td>N/A</td><td>344*</td><td>N/A</td><td>3/8</td><td>24</td><td>36</td><td>2 3/8</td><td>4</td><td>5 3/4</td><td>16</td><td>2 5/8</td><td>3 15/16</td><td>5 3/4</td><td>17</td><td>3</td><td>4 1/2</td><td>5 3/4</td><td>13</td><td>2</td><td>3</td><td>5 3/4</td><td></td><td></td><td></td></th<>		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	17	3	4 1/2	5 3/4	13	2	3	5 3/4			
150° 110 NN	-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	15	2 5/8	3 15/16	5 3/4	16	3	4 1/2	5 3/4	12	2	3				
1000 1170 0700 0700 070 070 070 0700 <	-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	14				14	-									
10% 11% 0.708 544 12 0.708 544 12 0.708 544 15% 11% 0.708 544 13 13 13 13 13 13 13 14 13 14 13 14 12 2 14 2 3 44/2 54 14 54 14 15% 11% 0.708 34 13 0.708 34 13 0.708 34 13 0.708 34 13 0.708 34 13 14 13 240 34 13 14 13 24 13 240 13 240 13 447 534 6 2 3 544 25% 11% 0.708 34 13 0.708 7 248 13 447 3 447 534 6 2 3 534 25% 11% 0.708 346 13 447 3 447 34 4 2 3 534 25% 12% 0.738 0.708 346 13 447 534 14 14 14 14 14 14 14 14 14		N/A	N/A	N/A				-																			
1557 1102 0718 Orego 444 12 NA 12 2.0 4 5.4 5.4 6.2 3 5.4/4 2557 120 0718 Orego 444 12 NA 10 2.40 120 3.4 4.1/2 5.4/4 6 2 3 5.4/4 2557 120 0718 Orego 444 12 NA 10 10.2 <th10.2< th=""> 10.2 10.2</th10.2<>													-										-				
15 100 070 0809 34 12 30 13 20 130 130 140 13 410 53/4 13 410 53/4 6 2 3 53/4 53/4 6 2 3 53/4									-																		
100 100 0000 940 100 0000 940 100 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td>30</td><td></td><td></td><td>3 3/4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							-		30			3 3/4															
21-57 11/1 0.719 Groups 344 11 3.06 13 N/A - 2 2.03 11/1 5.14 7.1 3.4 4.12 3.34 4.4 2 3.34 4.4 2 3.34 4.4 2 3.34 5.34 6.33 5.34 5.34 5.34 5.34 6.33												-									5	2	3	5 3/4			
2:5:7 11/2 0.70 00009 944 11 9/8 12 IV V <td></td> <td>7</td> <td></td> <td></td> <td></td> <td>-</td> <td>3</td> <td>4 1/2</td> <td>5 3/4</td> <td>4</td> <td>2</td> <td>3</td> <td>5 3/4</td> <td></td> <td></td> <td></td>													7				-	3	4 1/2	5 3/4	4	2	3	5 3/4			
10 1 10 1 10 1		1 1/2		CP0629	344	11	3/8	12		N	/A		6	2 5/8	3 15/16	5 3/4	6	3	4 1/2	5 3/4	5	2 1/2	3 3/4	5 3/4			
2 1.28 Crosso Hes 1 1 1 6 3 6 5 3 6 5 3 4 1 4 10 8 13 4 10 8 13 10 6 2 12 3 3 6 13 6 13 6 3 10 6 13 10 6 13 10 13 10 10 6 13 10 13 10 10 6 13 10 13 10 13 10 10 11 10 10 11 10 11 10 6 10 6 10 <th10< th=""> <th10< th=""> <th10< th=""></th10<></th10<></th10<>	-5"	2	1.219	CP0629	445	12	1/2	18	36	3 5/8	6	6 13/16	17		6 3/4												
20/3 2 1136 Cross 40 10 10 10 10/2 2 41/2 63/4 63/16 9 41/2 51/4 61/16 51/16 8 9 31/2 11/2 10 10/2 11/2																											
27.5° 2 1136 CP0600 445 9 1/2 17 28 3 5/8 8 6 13/16 9 4 1/8 6 31/6 7 3 1/2 5 1/4 6 13/16 7 3 1/2 5 1/4 6 13/16 7 3 1/2 5 1/4 6 13/16 7 3 1/2 5 1/4 6 13/16 7 3 1/2 5 1/4 6 13/16 7 3 1/2 5 1/4 6 13/16 7 3 1/2 5 1/4 6 13/16 6 3 1/2 5 1/4 6 13/16 7 3 1/2 5 1/4 6 13/16 6 3 1/2 5 1/4 6 13/16 7 4 1/2 6 3/16 6 3/16 6 3/16 6 3/16 6 3/16 6 3/16 6 3/16 6 3/16 6 3/16 6 3/16 6 3/16 6 3/16 6 3/16 6 3/16 6 3/16 6 3/16 6 3/16 6 3/16 6 3/16 7 1/2 6 3/16 7 1/2 6 3/16 6 3/16 6 3/16 6 3/16 6 3/16 6 3/16 6 3/16 6 3/16 6 3/16 6 3/16 6 3/16 6 3/16 6 3/16 6 3/16 6 3/16 6 3/16 6 3/16 6 3/16 </td <td></td> <td>-</td> <td></td>													-														
24/3 2 1.156 CP0630 4.45 9 1/2 <																	9	4 1/8	6 3/16	6 13/16	7	3 1/2	5 1/4	6 13/16			
24 1.156 CP0608 & CP0647 445 8 1/2 1/4 N/A 9 4 1/2 6 3/4 6 13/16 <t< td=""><td>'-5"</td><td>2</td><td>1.156</td><td>CP0630</td><td>445</td><td>9</td><td>1/2</td><td>16</td><td></td><td>N</td><td>/A</td><td></td><td>10</td><td>4 1/2</td><td>6 3/4</td><td></td><td>8</td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	'-5"	2	1.156	CP0630	445	9	1/2	16		N	/A		10	4 1/2	6 3/4		8				-						
30'3 2 1.156 CP6508 CP0647 445 8 1/2 13 N/A 8 4 1/2 6 3/4 6 1/2	-5"	2	1.156	CP0630	445	9	1/2	15	1				-				-										
31-3 2 1.156 CP0630 & CP0647 446 8 5/8 N/A 10 4 1/2 6 3/4 6 7/8 N/A 9 5 7 1/2 6 7/8 33'5 2 1.156 CP0630 & CP0647 446 8 5/8 N/A 10 4 1/2 6 3/4 6 7/8 N/A 9 5 7 1/2 6 7/8 33'5 2 1.156 CP0630 & CP0647 446 8 5/8 N/A 9 5 7 1/2 6 7/8 33'5 2 1.156 CP0630 & CP0647 446 7 5/8 N/A 9 4 1/2 6 3/4 6 7/8 N/A 8 5 7 1/2 6 7/8 35'5 2 1.156 CP0630 & CP0647 546 7 5/8 10 N/A 8 4 1/2 6 3/4 6 7/8 N/A 8 5 7 1/2 6 7/8 36'5' 2 1.156 CP0630 & CP0647 546 7 5/8 15 N/A 8 4 1/2 6 3/4 6 7/8 N/A N/A						-							-														
33*3 2 1.156 CP0630 & CP0647 446 8 5/8 18 M/A 9 4 1/2 6 3/4 6 7/8 N/A 9 5 7 1/2 6 7/8 34*5 2 1.156 CP0630 & CP0647 446 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 35*5 2 1.156 CP0630 & CP047 446 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 35*5 2 1.156 CP0630 & CP047 546 7 5/8 16 N/A 8 4 1/2 6 3/4 6 7/8 N/A 7 5 7 1/2 6 7/8 37*5 2 1.156 CP0630 & CP0647 546 7 5/8 16 N/A 8 4 1/2 6 3/4 6 7/8 N/A 7 5 7 1/2 6 7/8 38*5 2 1/2 1.56 CP0630 & CP0647 548 7 3/4	_					-		-					-				0			013/10		-					
34'5" 2 1.156 CP0630 & CP0647 446 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 35'5" 2 1.156 CP0630 & CP0647 446 7 5/8 17 N/A 9 4 1/2 6 3/4 6 7/8 N/A 8 5 7 1/2 6 7/8 36'5" 2 1.156 CP0630 & CP0647 546 7 5/8 16 N/A 8 4 1/2 6 3/4 6 7/8 N/A 7 5 7 1/2 6 7/8 36'5" 2 1.156 CP0630 & CP0647 546 7 5/8 16 N/A 8 4 1/2 6 3/4 6 7/8 N/A 7 5 7 1/2 6 7/8 38'5" 2 1.156 CP0630 & CP0647 546 7 5/8 15 N/A 8 4 1/2 6 3/4 6 7/8 N/A 7 5 7 1/2 6 7/8 38'5" 2 1/2 1.656 CP0630 & CP0647 548 7 3/4<						-		-				-	-														
33-3 2 1.36 CH38 CH38 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>18</td><td></td><td>N</td><td>/A</td><td></td><td>9</td><td>4 1/2</td><td>6 3/4</td><td>6 7/8</td><td></td><td>1</td><td>N/A</td><td></td><td>8</td><td>5</td><td>7 1/2</td><td>6 7/8</td><td></td><td></td><td></td></t<>								18		N	/A		9	4 1/2	6 3/4	6 7/8		1	N/A		8	5	7 1/2	6 7/8			
38-3 2 1.158 CP030 & CP047 54 7 5/8 10 N/A 0 10/8 10/8 N/A 7 5 7 1/2 6 7/8 38'-5" 2 1.156 CP0630 & CP0647 546 7 5/8 15 N/A 8 4 1/2 6 3/4 6 7/8 N/A N/A N/A N/A 10/8 <td>-5"</td> <td>2</td> <td>1.156</td> <td>CP0630 & CP0647</td> <td>446</td> <td>7</td> <td>5/8</td> <td>17</td> <td></td> <td>N</td> <td>/A</td> <td></td> <td>9</td> <td>4 1/2</td> <td>6 3/4</td> <td>6 7/8</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td>	-5"	2	1.156	CP0630 & CP0647	446	7	5/8	17		N	/A		9	4 1/2	6 3/4	6 7/8							-				
37 3 2 1.136 0.038 & CP0647 546 7 5/6 7 1/2	-5"	2	1.156	CP0630 & CP0647	546	7	5/8	16				-															
38 3 2 1.158 CP0630 & CP0647 346 7 3/4 18 28 5 5/8 8 7 1/2 12 13 6 5/8 9 15/16 7 1/2 N/A 39'-5" 2 1/2 1.656 CP0630 & CP0647 548 7 3/4 18 22 5 5/8 8 7 1/2 11 5 7 1/2 7 1/2 13 6 5/8 9 15/16 7 1/2 N/A 40'-5" 2 1/2 1.656 CP0630 & CP0647 548 7 3/4 18 22 5 5/8 8 7 1/2 11 5 7 1/2 7 1/2 13 6 5/8 9 15/16 7 1/2 N/A 40'-5" 2 1/2 1.656 CP0630 & CP0647 548 7 3/4 18 22 5 5/8 8 7 1/2 7 1/2 13 6 5/8 9 15/16 7 1/2 N/A PAT BICK No 58299 CORRELL N/A No S 299 P: 800.233.8366 Unless otherwise specid dimensions are in inche tolerances are: <td></td> <td>-</td> <td>-</td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td>0 1/8</td> <td></td> <td></td> <td></td>												-	-				-			_				0 1/8			
$\frac{39^{5}}{40^{7}5^{\circ}} \frac{2}{2} \frac{1/2}{1/2} \frac{1.656}{1.656} \frac{CP0630 \& CP0647}{CP0630 \& CP0647} \frac{348}{548} \frac{7}{7} \frac{3/4}{18} \frac{18}{22} \frac{1}{5} \frac{1}{5/8} \frac{1}{8} \frac{7}{1/2} \frac{1}{11} \frac{1}{5} \frac{7}{7} \frac{1/2}{7} \frac{1}{12} \frac{1}{13} \frac{1}{6} \frac{5}{5/8} \frac{9}{9} \frac{15}{16} \frac{7}{7} \frac{1}{12} $	-								29	-	1	7 1/2					13	1	-	7 1/2							
PAT FICK No 58299 No 58290 No 58290 No 58290 No 58290 No 58290 No 58290 No 582					-						8	-	-		-				-	-							
									Pinne Pi	ANNN A	PATR ACE 10 58	1CK 4 299	ALLEY *		C	OI	RI	Innovativ	e door so	Lutions."	MOUNT P: 800.2	AINTO	0P, PA		dimensi to	ions are in in blerances are 000 = +/- 0.0	nche e:)31



•

. .

. .



-		
DATE	BY	E.C.O.
10/20/14	TJE	1615
12/13/17	CJR	1663
02/19/20	MAN	2027
	10/20/14 12/13/17	10/20/14 TJE 12/13/17 CJR

L'TR

* ORIGINAL ISSUE
A REMOVED SPECIFIC END
B REVISED BOTTOM BAR D

	1					Filled CMI				_			CF	0001/CP06	51 - 0.022				wanized or S								Steel (W	all anchors are		diameter as	assembly				
-					-				-	-	-		-	-			racked Cond				sive streng	1				_		1	asteners) Through	Ta			Superimp	osed Loads	4
DBG Up To			ik Bolt 3		-	1	Strong-Bolt 2	1		hrough Bo	Edge		-	ti Kwik Bolt	TZ Min Wall		201.031		pson Strong-	-Bolt 2 Min Wall				Redhead Tr	Min Wall			/elded	Bolt		Min.	1. 1.3	1	1.00	Turt
	Max O.C.	Dia.	Embed	Edge Dist	1202012-022	Dia.	Embed		Max. O.C.	Dia.	Distance	Max O.C.	Dia.	Embed.	Thick.	Edge Dist	Max O.C.	Dia.	Embed.	Thick.	Edge Dist		Dia.	Embed.	Thick.	Edge Dist		Slot Size	Max O.C.	Max O.C.	Thickness	Vx (+)	Vy (+)	Vx (-)	Vy (-)
5'-5"	9	3/8	1 5/8	5 3/4	15	3/8	2 5/8	5 3/4	36	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	4	5 3/4	36	7/16 x 5/8	36 36	36	3/16 3/16	0	55 65	0	55
6'-5"	18	3/8	2 1/2	5 3/4	12	3/8	2 5/8	5 3/4	32	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	19	3/8	2	4	5 3/4	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 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	30	36	3/16	0	95	0	95
1-5"	12	3/8	2 1/2	5 3/4	8	3/8	2 5/8	5 3/4	22	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 5 3/4	36	7/16 x 5/8	36	36	3/16	0	105	0	10
0'-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	30	7/16 x 5/8	36	36	3/16	0	105	0	11
1'-5"	10	3/8	2 1/2	5 3/4	8	1/2	3 1/2	5 3/4	18	3/8	5 3/4	7 1/8	3/8	2 5/16	5	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	10 5/16	3/8	2		5 3/4	36	7/16 x 5/8	36	36	3/16	0	115	0	12
2'-5"	9	3/8	2 1/2	5 3/4	8	1/2	3 1/2	5 3/4	16	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	125	0	1
3'-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	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	30	36	3/16	0	135	0	1
1'-5"	8	3/8	2 1/2	5 3/4	13	3/4	5 1/4	5 3/4	14	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4 5 3/4	12 5/8	1/2	-	4	5 3/4	36	7/16 x 5/8	30	30	3/16	0	145	0	1
5'-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	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2				-	4	5 3/4	36	7/16 x 5/8	36	36	3/16	105	165	89	1
i'-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	26	3/16	255	175	241	
'-5"	12	3/8	2 1/2	5 3/4	8	3/8	2 5/8	5 3/4	19	3/8	5 3/4	12 5/8	3/8	2 5/16	5	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	16 1/4	3/8	-					27	17	3/16	395	175	382	
5"	8	3/8	2 1/2	5 3/4	12	3/4	5 1/4	5 3/4	13	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	28 1/2	3/8	2 7/8	4 1/2	5 3/4	19	1/2		6	5 3/4	27	7/16 x 5/8			3/16	527	195	515	
9'-5"	8	3/4	3 1/4	5 3/4	9	3/4	5 1/4	5 3/4	10	3/8	5 3/4	36	1/2	3 5/8	8	5 3/4	22 3/4	1/2	3 7/8	6	5 3/4	36	3/4	4 3/8	7	5 3/4 5 3/4	20	7/16 x 5/8 7/16 x 5/8	20	13	3/16	653	205	642	
0'-5"	10	3/4	4 3/8	5 3/4			N/A		8	3/8	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	-	/	5 3/4	16	7/16 x 5/8	16	9	3/16	775	205	764	2
1'-5"	8	3/4	4 3/8	5 3/4			N/A		7	3/8	5 3/4	36	3/4	5 9/16	8	5 3/4	36	3/4	5 3/4	8 3/4	5 3/4			N/A			14	7/16 x 5/8	14	8	3/16	893	215	883	
'-5"	-		/A	1	-	-	N/A	1	6	3/8	5 3/4			N/A		Lavatia			N/A	1 /		22.2/1	2/4	N/A		C 12/11				20	1/4	693	234	686	
1-5"	10	3/4	4 3/8	6 13/16	8	3/4	5 1/4	6 13/16	17	1/2	6 13/16	36	3/4	5 9/16	8	6 13/16	36	3/4	5 3/4	8 3/4	6 13/16		3/4	4 3/8	/	6 13/16	-	9/16 x 3/4	35	17	1/4	786	234	780	+
4'-5"	9	3/4	4 3/8	6 13/16			N/A		15	1/2	6 13/16	36	3/4	5 9/16	8	6 13/16	36	3/4	5 3/4	8 3/4	6 13/16	28 1/2	3/4	4 3/8	8	6 13/16	-	9/16 x 3/4	31		1/4	879	254	872	
5'-5"	8	3/4	4 3/8	6 13/16			N/A		13	1/2	6 13/16	36	3/4	5 9/16	8	6 13/16	36	3/4	5 3/4	8 3/4	6 13/16			N/A			28	9/16 x 3/4	28	15	1/4	1004	254	997	
5'-5"			/A				N/A	_	12	1/2	6 13/16			N/A					N/A				-	N/A				9/16 x 3/4	24	13	1/4	1004	205	1089	+
7'-5"			/A		-		N/A		11	1/2	6 13/16			N/A					N/A			-		N/A			22	9/16 x 3/4 9/16 x 3/4	20	-	1/4	1095	275	1089	-
3'-5"			/A				N/A		10	1/2	6 13/16			N/A					N/A					N/A			20		-	11	1/4	1277	205	1271	-
9'-5"			/A				N/A		9	1/2	6 13/16			N/A			-		N/A			-	_	N/A			19	9/16 x 3/4	19	-	-			1361	
0'-5"			/A				N/A		9	1/2	6 13/16	-		N/A					N/A					N/A			18	9/16 x 3/4	18	10	1/4	1368 1458	305	1361	-
1'-5"			/A		-		N/A		8	1/2	6 13/16	1		N/A				_	N/A			-		N/A			17	9/16 x 3/4 11/16 x 7/8	17	13	5/16	1458	315	1452	-
2'-5"			/A		-		N/A		11	5/8	6 7/8			N/A					N/A					N/A			24			-	-		-	1633	-
3'-5"			/A	-			N/A		10	5/8	6 7/8			N/A					N/A			-		N/A			22	11/16 x 7/8	-	12	5/16	1639	335	-	_
1'-5"			/A	-	-		N/A		9	5/8	6 7/8			N/A					N/A					N/A	-	-	21	11/16 x 7/8		12	5/16	1730	346	1724	-
i'-5"			/A				N/A		9	5/8	6 7/8			N/A					N/A					N/A	_		20	11/16 x 7/8		11	5/16	1821	356	1815	
5'-5"			/A		-		N/A		8	5/8	6 7/8			N/A					N/A			-		N/A			19	11/16 x 7/8		10	5/16	1913	366	1907	-
'-5"	-		/A				N/A		8	5/8	6 7/8			N/A			-		N/A			-		N/A	_		18	11/16 x 7/8	18	10	5/16	2006	376	1999	_
8'-5"			/A				N/A		8	5/8	6 7/8			N/A	-				N/A					N/A			17	11/16 x 7/8		9	5/16	2098	387	2092	_
9'-5"		N	/A		1	3	N/A		12	3/4	7 1/2			N/A			-		N/A			-		N/A			36	11/16 x 7/8	36	24	3/8	1807	395	1801	_
0'-5"	1	N	I/A				N/A		11	3/4	7 1/2			N/A			1		N/A					N/A			36	11/16 x 7/8	36	23	3/8	1887	405	1881	





REVISION	DATE	BY	E.C.O.
	10/20/14	TJE	1615
DLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027
			-

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/20/14	TJE	1615
A	REMOVED SPECIFIC ENDLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
В	REVISED BOTTOM BAR DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

	1 1	_		-	-		CPUU	1/1/1/10051	0.0220/0.	uzzu minin		ess Galvania						P	and the f		_		
		1.1	1				1.1.1				Concret	e Minimum			e Strength (Anchors are			assembly fa	isteners)	-		
DBG	Windlock	-		Guide	Windlock	Assembly	Assembly		Hilti Kw	vik Bolt 3	_		Simpson	Wedge All			Red Head	d Tru-Bolt			Powers W	/edge-Bolt	
Up 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
5'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	25	2 5/8	3 15/16	5 3/4	26	3	4 1/2	5 3/4	20	2	3	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	21	2 5/8	3 15/16	5 3/4	22	3	4 1/2	5 3/4	17	2	3	5 3/4
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	14	2	3	5 3/4
8'-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	17	3	4 1/2	5 3/4	13	2	3	5 3/4
9'-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	15	3	4 1/2	5 3/4	11	2	3	5 3/4
10'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	13	2 5/8	3 15/16	5 3/4	13	3	4 1/2	5 3/4	10	2	3	5 3/4
11'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	22	2 3/8	4	5 3/4	12	2 5/8	3 15/16	5 3/4	12	3	4 1/2	5 3/4	9	2	3	5 3/4
12'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	9	2 3/8	4	5 3/4	11	2 5/8	3 15/16	5 3/4	11	3	4 1/2	5 3/4	8	2	3	5 3/4
14'-5"	1 5/16	0.532	CP0629	344	12	3/8	18	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	12	2	3	5 3/4
15'-5"	1 7/16	0.657	CP0629	344	12	3/8	18	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	9	2	3	5 3/4
16'-5"	1 1/2	0.719	CP0629	344	12	3/8	17		N	I/A		10	2 5/8	3 15/16	5 3/4	10	3	4 1/2	5 3/4	6	2	3	5 3/4
17'-5"	1 1/2	0.719	CP0629	344	12	3/8	13		N	I/A		8	2 5/8	3 15/16	5 3/4	8	3	4 1/2	5 3/4	5	2	3	5 3/4
18'-5"	1 1/2	0.719	CP0629	344	11	3/8	11		N	I/A	-	6	2 5/8	3 15/16	5 3/4	6	3	4 1/2	5 3/4	5	2 1/2	3 3/4	5 3/4
19'-5"	1 7/8	1.094	CP0629	445	12	1/2	18	36	3 5/8	6	6 13/16	15	4 1/2	6 3/4	6 13/16	12	4 1/8	6 3/16	6 13/16	7	2 1/2	3 3/4	6 13/16
20'-5"	2	1.219	CP0629	445	11	1/2	18	36	3 5/8	6	6 13/16	14	4 1/2	6 3/4	6 13/16	11	4 1/8	6 3/16	6 13/16	6	2 1/2	3 3/4	6 13/16
21'-5"	2	1.156	CP0630	445	10	1/2	18	36	3 5/8	8	6 13/16	12	4 1/2	6 3/4	6 13/16	9	4 1/8	6 3/16	6 13/16	8	3 1/2	5 1/4	6 13/16
22'-5"	2	1.156	CP0630	445	9	1/2	16	22	3 5/8	8	6 13/16	10	4 1/2	6 3/4	6 13/16	8	4 1/8	6 3/16	6 13/16	7	3 1/2	5 1/4	6 13/16
23'-5"	2	1.156	CP0630	445	9	1/2	14		N	I/A		9	4 1/2	6 3/4	6 13/16	7	4 1/8	6 3/16	6 13/16	6	3 1/2	5 1/4	6 13/16
24'-5"	2	1.156	CP0630 & CP0647	445	8	1/2	13		N	I/A		8	4 1/2	6 3/4	6 13/16	7	4 1/8	6 3/16	6 13/16	6	3 1/2	5 1/4	6 13/16
25'-5"	2	1.156	CP0630 & CP0647	446	8	5/8	18			I/A		11	4 1/2	6 3/4	6 7/8		N	I/A	-	9	5	7 1/2	6 7/8
26'-5"	2	1.156	CP0630 & CP0647	446	8	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	CP0630 & CP0647	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
28'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	16			I/A		8	4 1/2	6 3/4	6 7/8		N	I/A		7	5	7 1/2	6 7/8
29'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	15	-	N	I/A		8	4 1/2	6 3/4	6 7/8		N	I/A			P	I/A	
30'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	14		N	I/A		7	4 1/2	6 3/4	6 7/8		N	I/A			M	I/A	
31'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18	22	5 5/8	8	7 1/2	11	5	7 1/2	7 1/2	12	6 5/8	9 15/16	7 1/2	1	٢	I/A	
32'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18		N	I/A		11	5	7 1/2	7 1/2	12	6 5/8	9 15/16	7 1/2		P	I/A	-
33'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18		P	I/A		10	5	7 1/2	7 1/2	11	6 5/8	9 15/16	7 1/2		r	I/A	
34'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18		N	I/A	-	10	5	7 1/2	7 1/2	11	6 5/8	9 15/16	7 1/2		r	I/A	
35'-5"	2 1/2	1.656	CP0630 & CP0647	548	6	3/4	18		ħ	N/A		9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2	-	1	N/A	
36'-5"	2 1/2	1.656	CP0630 & CP0647	548	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		r	V/A	1
37'-5"	2 1/2	1.656	CP0630 & CP0647	548	6	3/4	17		n	N/A		8	5	7 1/2	7 1/2	8	6 5/8	9 15/16	7 1/2	-	r	N/A	
38'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	16		1	N/A		8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2		1	V/A	





ELMWOOD AVE 1901 S. UNTAINTOP, PA GOO	and the second	dimens	otherwise s ions are in i plerances ar	nches &
800.233.8366 800.526.0841 ADS@CORNELLIRON.C	ОМ	FRAC	000 = +/- 0.0 TIONAL = + .ES = +/- 1/2	/- 1/32
RATION	DRAWN BY: TJE	SIZE:	SCALE: AS NOTED	and the second second
EEL DOOR MPACT RATED	DWG NO: ES	-16-6	5-CIW	

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/20/14	TJE	1615
Α	REMOVED SPECIFIC ENDLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
В	REVISED BOTTOM BAR DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

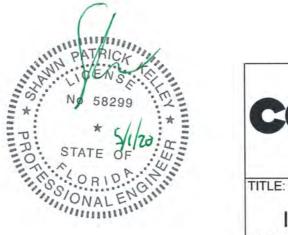
						cill-d ct t											nimum Thick	1									Steel (W	all anchors are		diameter as	assembly				
					1	Filled CM	-		-											2	Sive Streng				i de la compañía de la compa			elded	fasteners) Through	Та	oped		Superimpo	osed Loads	
DBG Up To	-	Hilti Kw	ik Bolt 3			Simpson S	Strong-Bolt	2		Through Bo		-	Hi	lti Kwik Bolt	2	-		Simp	oson Strong-			-	IIWE	Redhead Tri	Min Wall				Bolt		Min.				1
OP 10	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.	Thick.	Edge Dist		Slot Size	Max O.C.	-	Thickness	Vx (+)	Vy (+)	Vx (-)	Vy (-) 82
5'-5"	14	3/8	2 1/2	5 3/4	10	3/8	2 5/8	5 3/4	25	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	83	0	
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	97 112
7'-5"	10	3/8	2 1/2	5 3/4	9	1/2	3 1/2	5 3/4	18	3/8	5 3/4	10 5/16	3/8	2 5/16	5	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	14 1/4	3/8	2	5	5 3/4	36	7/16 x 5/8	36	36	3/16	0	113	0	112
8'-5"	9	3/8	2 1/2	5 3/4	15	3/4	5 1/4	5 3/4	16	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	128	0	
9'-5"	8	3/8	2 1/2	5 3/4	13	3/4	5 1/4	5 3/4	14	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	28 1/2	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	143	0	142
10'-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	28 1/2	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	10 5/16	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	158	0	157
11'-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	16 1/4	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	22 3/4	1/2	3 3/4	8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	173	0	172
12'-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	1/2	3 5/8	8	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	3/4	4 3/8	7	5 3/4	36	7/16 x 5/8	36	36	3/16	0	188	0	187
14'-5"	12	3/8	2 1/2	5 3/4	8	3/8	2 5/8	5 3/4	20	3/8	5 3/4	14 1/4	3/8	2 5/16	5	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	19	3/8	2	5	5 3/4	36	7/16 x 5/8	36	26	3/16		218	225	217
15'-5"	8	3/8	2 1/2	5 3/4	13	3/4	5 1/4	5 3/4	14	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	16 1/4	1/2	2 1/2	4	5 3/4	29	7/16 x 5/8	29	19	3/16		233	334	232
16'-5"	8	3/4	3 1/4	5 3/4	9	3/4	5 1/4	5 3/4	10	3/8	5 3/4	36	1/2	3 5/8	8	5 3/4	28 1/2	1/2	3 7/8	6	5 3/4	36	3/4	4 3/8	7	5 3/4	21	7/16 x 5/8	21	13	3/16	502	248	484	247
17'-5"	9	3/4	4 3/8	5 3/4			N/A		8	3/8	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	15	7/16 x 5/8	15	10	3/16	689	263	672	262
18'-5"		N	/A	-			N/A		6	3/8	5 3/4	1000		N/A		1	36	3/4	5 3/4	8 3/4	5 3/4			N/A			12	7/16 x 5/8	12	8	3/16	866	278	850	278
19'-5"	9	3/4	4 3/8	6 13/16		1000	N/A		15	1/2	6 13/16	36	3/4	5 9/16	8	6 13/16	36	3/4	5 3/4	8 3/4	6 13/16	28 1/2	3/4	4 3/8	8	6 13/16	33	9/16 x 3/4	33	18	1/4	743	291	732	292
20'-5"	8	3/4	4 3/8	6 13/16		1	N/A		14	1/2	6 13/16	36	3/4	5 9/16	8	6 13/16	36	3/4	5 3/4	8 3/4	6 13/16			N/A		200	30	9/16 x 3/4	30	17	1/4	815	306	805	307
21'-5"		N	/A			1	N/A		12	1/2	6 13/16			N/A	Cont Day of	an and a second			N/A					N/A			25	9/16 x 3/4	25	14	1/4	987	321	977	322
22'-5"	-	N	/A				N/A		10	1/2	6 13/16			N/A					N/A					N/A			22	9/16 x 3/4	22	12	1/4	1120	337	1111	337
23'-5"		N	/A			1	N/A		9	1/2	6 13/16	1		N/A				-	N/A			-		N/A			19	9/16 x 3/4	19	11	1/4	1252	352	1243	352
24'-5"		N	/A.				N/A		8	1/2	6 13/16	1		N/A					N/A					N/A			18	9/16 x 3/4	18	10	1/4	1382	367	1373	368
25'-5"	1	N	/A			-	N/A		11	5/8	6 7/8	-		N/A				1 June	N/A					N/A			24	11/16 x 7/8	24	13	5/16	1511	382	1502	383
26'-5"			/A				N/A		10	5/8	6 7/8			N/A		-			N/A					N/A			22	11/16 x 7/8	22	12	5/16	1639	397	1630	398
27'-5"			/A				N/A		9	5/8	6 7/8			N/A					N/A					N/A			21	11/16 x 7/8	21	11	5/16	1767	412	1758	413
28'.5"		N	<u></u>				N/A		8	5/8	6 7/8			N/A					N/A	-		-		N/A			19	11/16 x 7/8	19	10	5/16	1895	428	1886	428
29'-5"		N					N/A		8	5/8	6 7/8			N/A					N/A			1		N/A			18	11/16 x 7/8	18	10	5/16	2023	443	2014	444
30'-5"		N				-	N/A		7	5/8	6 7/8			N/A			1		N/A					N/A		-	17	11/16 x 7/8	17	9	5/16	2152	458	2143	459
31'-5"	-	N				_	N/A	-	11	3/4	7 1/2			N/A					N/A					N/A	1000		36	13/16 x 1	36	23	3/8	1870	472	1861	472
32'-5"	-		/A				N/A		11	3/4	7 1/2			N/A		-		1	N/A					N/A			36	13/16 x 1	36	22	3/8	1980	487	1971	487
33'-5"		N	0.0				N/A	-	10	3/4	7 1/2			N/A					N/A					N/A			36	13/16 x 1	36	21	3/8	2091	502	2082	503
34'-5"	-		/A				N/A		10	3/4	7 1/2			N/A					N/A					N/A			36	13/16 x 1	36	20	3/8	2202	517	2193	518
35'-5"			/A		-		N/A		9	3/4	7 1/2		N/A N/A					-	N/A					N/A			35	13/16 x 1	35	19	3/8	2314	533	2305	533
36'-5"								N/A					N/A	-				N/A			33	13/16 x 1	33	18	3/8	2427	548	2418	548						
37'-5"	1971						7 1/2	1		N/A					N/A			-		N/A			32	13/16 x 1	32	17	3/8	2541	563	2532	564				
37-5	-		/A /A				N/A		8	3/4	7 1/2			N/A			-		N/A					N/A			31	13/16 x 1	31	16	3/8	2655	579	2646	579





L'TR	
*	ORIGINAL ISSUE
A	REMOVED SPECIFIC EN
В	REVISED BOTTOM BAR I

_				-			CPUU	11/12/0051	0.0220/0	.0220 Minim													
				1							Concret	e Minimum			e Strength (Anchors are	the same d	liameter as a	assembly fa	isteners)			
DBG	Windlock	at.	the second	Guide	Windlock	Assembly	Assembly		Hilti Kv	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
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
6'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	16	2 5/8	3 15/16	5 3/4	16	3	4 1/2	5 3/4	12	2	3	5 3/4
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	11	2	3	5 3/4
8'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	22	2 3/8	4	5 3/4	12	2 5/8	3 15/16	5 3/4	12	3	4 1/2	5 3/4	9	2	3	5 3/4
9'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	8	2 3/8	4	5 3/4	11	2 5/8	3 15/16	5 3/4	11	3	4 1/2	5 3/4	8	2	3	5 3/4
10'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	7	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	7	2	3	5 3/4
11'-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	7	2	3	5 3/4
15'-5"	1 5/16	0.532	CP0629	344	10	3/8	11		N	I/A		6	2 5/8	3 15/16	5 3/4	6	3	4 1/2	5 3/4	4	2 1/2	3 3/4	5 3/4
16'-5"	1 1/2	0.656	CP0630	445	10	1/2	18	19	3 5/8	6	6 13/16	12	4 1/2	6 3/4	6 13/16	10	4 1/8	6 3/16	6 13/16	8	3 1/2	5 1/4	6 13/1
17'-5"	1 1/2	0.656	CP0630	445	9	1/2	16		N	I/A		10	4 1/2	6 3/4	6 13/16	8	4 1/8	6 3/16	6 13/16	7	3 1/2	5 1/4	6 13/1
18'-5"	1 5/8	0.781	CP0630	445	9	1/2	15		ħ	I/A		9	4 1/2	6 3/4	6 13/16	7	4 1/8	6 3/16	6 13/16	6	3 1/2	5 1/4	6 13/1
19'-5"	1 3/4	0.906	CP0630	445	9	1/2	14		N	I/A		9	4 1/2	6 3/4	6 13/16	7	4 1/8	6 3/16	6 13/16	6	3 1/2	5 1/4	6 13/1
20'-5"	2	1.156	CP0630	445	9	1/2	14	-	1	I/A	-	9	4 1/2	6 3/4	6 13/16	7	4 1/8	6 3/16	6 13/16	6	3 1/2	5 1/4	6 13/1
21'-5"	2	1.156	CP0630 & CP0647	446	8	5/8	18		N	I/A		11	4 1/2	6 3/4	6 7/8	1	N	/A		10	5	7 1/2	6 7/8
22'-5"	2	1.156	CP0630 & CP0647	446	8	5/8	18		N	I/A	(C. 1. 1)	10	4 1/2	6 3/4	6 7/8		N	/A		9	5	7 1/2	6 7/
23'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	16		N	I/A		9	4 1/2	6 3/4	6 7/8		N	/A		8	5	7 1/2	6 7/
24'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	15		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	CP0630 & CP0647	546	7	5/8	14		N	I/A	-	7	4 1/2	6 3/4	6 7/8		N	/A			1	I/A	
26'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18	22	5 5/8	8	7 1/2	11	5	7 1/2	7 1/2	12	6 5/8	9 15/16	7 1/2		1	I/A	-
27'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18		P	I/A		10	5	7 1/2	7 1/2	11	6 5/8	9 15/16	7 1/2		N	I/A	
28'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18		1	I/A		10	5	7 1/2	7 1/2	11	6 5/8	9 15/16	7 1/2		N	V/A	
29'-5"	2 1/2	1.656	CP0630 & CP0647	548	6	3/4	18		ſ	N/A		9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2		N	I∕A	
30'-5"	2 1/2	1.656	CP0630 & CP0647	548	6	3/4	17	-	P	N/A		9	5	7 1/2	7 1/2	9	6 5/8	9 15/16	7 1/2		1	N/A	
31'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	16		1	N/A		8	5	7 1/2	7 1/2	8	6 5/8	9 15/16	7 1/2		1	N/A	
32'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	16		P	N/A		8	5	7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2	1	P	N/A	





REVISION	DATE	BY	E.C.O.
	10/20/14	TJE	1615
IDLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

'TR	
*	ORIGINAL ISSUE
А	REMOVED SPECIFIC END
В	REVISED BOTTOM BAR D
	* A B

		_									_		CI	P0001/CP06	51 - 0.0220	0/0.0220 M	inimum Thic	kness Galv	vanized or S	itainless Ste	el - 40 PSF,	Cont.													
						Filled CM	IU										Cracked Cond	rete Minir	mum 3,000	PSI Compre	ssive Streng	th					Steel (W	all anchors are	e the same d fasteners)	diameter as	assembly		Superimpo	osed Loads	
DBG		Hilti Kw	ik Bolt 3	5 II	1	Simpson	Strong-Bolt 2	2	т	hrough Bol	t		Hi	lti Kwik Bolt	TZ			Simp	oson Strong	-Bolt 2		0	ITW	Redhead Tr	ubolt+		w	/elded	Through Bolt	Та	pped		oppermips		
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 (-)
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	12 5/8	3/8	2 5/16	5	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	16 1/4	3/8	2	5	5 3/4	36	7/16 x 5/8	36	36	3/16	0	110	0	109
6'-5"	9	3/8	2 1/2	5 3/4	15	3/4	5 1/4	5 3/4	16	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	130	0	129
7'-5"	8	3/8	2 1/2	5 3/4	13	3/4	5 1/4	5 3/4	14	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	16 1/4	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	150	0	149
8'-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	19	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	22 3/4	1/2	3 3/4	8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	170	0	169
9'-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	1/2	3 5/8	8	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	3/4	4 3/8	7	5 3/4	36	7/16 x 5/8	36	36	3/16	0	190	0	189
10'-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	19	1/2	3 5/8	8	5 3/4	16 1/4	1/2	3 7/8	6	5 3/4	36	3/4	4 3/8	7	5 3/4	36	7/16 x 5/8	36	36	3/16	0	210	0	209
11'-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	3/4	5 9/16	8	5 3/4	22 3/4	3/4	4 1/8	6 3/4	5 3/4	22 3/4	3/4	4 3/8	7	5 3/4	36	7/16 x 5/8	36	36	3/16	0	230	0	229
15'-5"		N	/A			1229	N/A		6	3/8	5 3/4			N/A			36	3/4	5 3/4	8 3/4	5 3/4			N/A			12	7/16 x 5/8	12	7	3/16	905	311	879	310
16'-5"		N	/A				N/A		12	1/2	6 13/16	22 3/4	3/4	5 9/16	8	6 13/16	36	3/4	5 3/4	8 3/4	6 13/16			N/A			25	9/16 x 3/4	25	14	1/4	976	330	955	330
17'-5"		N	/A				N/A		10	1/2	6 13/16			N/A	1-1-1				N/A			1		N/A			20	9/16 x 3/4		11	1/4	1208	350	1188	351
18'-5"		N	/A				N/A		9	1/2	6 13/16		_	N/A	-				N/A			1		N/A			19	9/16 x 3/4		10	1/4	1263	370	1245	370
19'-5"		N	/A				N/A		9	1/2	6 13/16			N/A					N/A	-		-		N/A			18	9/16 x 3/4	-	10	1/4	1324	389	1309	390
20'-5"		N	/A			- mark	N/A	-	9	1/2	6 13/16			N/A			-		N/A					N/A			19	9/16 x 3/4	19	10	1/4	1282	409	1270	409
21'-5"		N	/A			-	N/A		11	5/8	6 7/8	-	-	N/A					N/A			12		N/A			25	11/16 x 7/8		14	5/16	1451	429	1440	430
22'-5"		N	/A				N/A		10	5/8	6 7/8			N/A			-		N/A					N/A			23	11/16 x 7/8	-	12	5/16	1618	449	1606	450
23'-5"		N	/A				N/A		9	5/8	6 7/8		-	N/A			1		N/A			-		N/A			21	11/16 x 7/8		11	5/16	1783	469	1771	470
24'-5"		N	/A	_			N/A		8	5/8	6 7/8			N/A			-		N/A			-		N/A			19	11/16 x 7/8	-	10	5/16	1947	489	1935	490
25'-5"		N	/A				N/A		7	5/8	6 7/8			N/A			1		N/A					N/A			17	11/16 x 7/8	-	9	5/16	2111	510	2099	511
26'-5"	_	N	/A	-			N/A		11	3/4	7 1/2			N/A					N/A			1		N/A			36	13/16 x 1	36	24	3/8	1851	528	1840	529
27'-5"		N	/A				N/A		10	3/4	7 1/2			N/A					N/A			-		N/A			36	13/16 x 1	36	22	3/8	1991	548	1980	549
28'-5"		N	/A			1	N/A		10	3/4	7 1/2			N/A					N/A					N/A			36	13/16 x 1	36	20	3/8	2131	569	2120	569
29'-5"		N	/A	-		-	N/A	_	9	3/4	7 1/2			N/A					N/A			-		N/A			36	13/16 x 1	36	19	3/8	2272	589	2261	589
30'-5"		N	/A		1		N/A		9	3/4	7 1/2			N/A		-			N/A			-		N/A			34	13/16 x 1	34	18	3/8	2413	609	2402	610
31'-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	2555	630	2544	630
32'-5"		N	I/A				N/A		8	3/4	7 1/2			N/A			1		N/A					N/A			30	13/16 x 1	30	16	3/8	2698	650	2687	650





REVISION	DATE	BY	E.C.O.
	10/20/14	TJE	1615
DLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

L'TR I * ORIGINAL ISSUE A REMOVED SPECIFIC END B REVISED BOTTOM BAR D

							CPOO	01/CP0651 ·	0.0220/0.	0220 Minim	num Thickn	ess Galvania	ed or Stain	nless Steel -	50 PSF								
					1.00	1					Concret	e Minimum	3,000 PSI	Compressiv	e Strength (Anchors are	the same of	diameter as	assembly fa	steners)			
DBG	Windlock		10.000	Guide	Windlock	Assembly	Assembly		Hilti Kw	vik Bolt 3	S. 1. 22		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 Dis
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	12	2	3	5 3/4
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	10	2	3	5 3/4
7'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	9	2 3/8	4	5 3/4	11	2 5/8	3 15/16	5 3/4	11	3	4 1/2	5 3/4	8	2	3	5 3/4
8'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	1	N	I/A		9	2 5/8	3 15/16	5 3/4	10	3	4 1/2	5 3/4	7	2	3	5 3/4
9'-5"	N/A	N/A	N/A	344*	N/A	3/8	24		N	I/A		8	2 5/8	3 15/16	5 3/4	9	3	4 1/2	5 3/4	7	2	3	5 3/4
16'-5"	1 5/16	0.469	CP0630 & CP0647	446	7	5/8	18		N/A			9	4 1/2	6 3/4	6 7/8		N	V/A		8	5	7 1/2	6 7/8
17'-5"	1 7/16	0.594	CP0630 & CP0647	446	7	5/8	18	N/A			9	4 1/2	6 3/4	6 7/8		N	N/A		8	5	7 1/2	6 7/8	
18"-5"	1 1/2	0.656	CP0630 & CP0647	546	7	5/8	16		N	I/A		8	4 1/2	6 3/4	6 7/8		N	N/A		7	5	7 1/2	6 7/8
19'-5"	1 5/8	0.781	CP0630 & CP0647	546	7	5/8	16		N	I/A		8	4 1/2	6 3/4	6 7/8		M	N/A		7	5	7 1/2	6 7/8
20'-5"	1 5/8	0.781	CP0630 & CP0647	546	7	5/8	14		N	I/A		7	4 1/2	6 3/4	6 7/8		N	N/A			N	I/A	
21'-5"	1 3/4	0.906	CP0630 & CP0647	548	6	3/4	18		N	I/A		10	5	7 1/2	7 1/2	11	6 5/8	9 15/16	7 1/2		N	I/A	
22'-5"	1 7/8	1.031	CP0630 & CP0647	548	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	
23'-5"	2	1.156	CP0630 & CP0647	548	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	-
24'-5"	2 1/4	1.406	CP0630 & CP0647	548	6	3/4	18	N/A			9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2		N	I/A		
25'-5"	2 3/8	1.531	CP0630 & CP0647	548	6	3/4	18	N/A		9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2		N	I/A			
26'-5"	2 1/2	1.656	CP0630 & CP0647	548	6	3/4	17	N/A			9	5	7 1/2	7 1/2	9	6 5/8	9 15/16	7 1/2		N	I/A		
27'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	16		N	I/A		8	5	7 1/2	7 1/2	8	6 5/8	9 15/16	7 1/2		N	N/A	

						Filled CMU	1					Steel (Wa	all anchors are	the same d fasteners)	liameter as	assembly		Superimpo	sed Loads	
DBG	1	Hilti Kv	vik Bolt 3	1.44		Simpson S	trong-Bolt 2		т	hrough Bo	olt	W	elded	Through Bolt	Тар	oped		Sobernibe		
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"	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
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
7'-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	188	0	186
8'-5"	11	3/4	4 3/8	5 3/4	9	3/4	5 1/4	5 3/4	9	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	213	0	211
9'-5"	10	3/4	4 3/8	5 3/4	8	3/4	5 1/4	5 3/4	8	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	238	0	236
16'-5"		P	I/A			N	I/A		9	5/8	6 7/8	21	11/16 x 7/8	21	11	5/16	1786	414	1756	415
17'-5"	-		I/A			N	I/A		9	5/8	6 7/8	21	11/16 x 7/8	21	11	5/16	1785	438	1759	439
18'-5"		9	N/A			N	I/A		8	5/8	6 7/8	19	11/16 x 7/8	19	10	5/16	1929	463	1905	464
19'-5"		P	N/A			N	I/A		8	5/8	6 7/8	19	11/16 x 7/8	19	10	5/16	1959	488	1938	489
20'-5"		1	N/A			N	I/A		7	5/8	6 7/8	17	11/16 x 7/8	17	9	5/16	2197	513	2176	515
21'-5"		1	N/A			N	I/A		10	3/4	7 1/2	36	13/16 x 1	36	20	3/8	2235	539	2209	539
22'-5"		1	N/A			N	I/A		9	3/4	7 1/2	36	13/16 x 1	36	19	3/8	2275	563	2252	564
23'-5"		1	N/A			N	I/A		9	3/4	7 1/2	35	13/16 x 1	35	19	3/8	2322	588	2301	588
24'-5"		1	N/A			N	I/A		9	3/4	7 1/2	36	13/16 x 1	36	19	3/8	2249	611	2232	612
25'-5"		1	N/A			N	I/A		9	3/4	7 1/2	35	13/16 x 1	35	19	3/8	2314	636	2299	637
26'-5"		1	N/A			P	N/A		9	3/4	7 1/2	34	13/16 x 1	34	18	3/8	2380	661	2366	661
27'-5"		1	N/A		10000	P	I/A		8	3/4	7 1/2	32	13/16 x 1	32	17	3/8	2550	686	2537	687





CP0001/CP0651 SLAT NON-IN

ELMWOOD AVE 1901 S. INTAINTOP, PA GOO	LITCHFIELD RD DYEAR, AZ	dimensi	otherwise specified, ons are in inches & lerances 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 17/58
EEL DOOR	DWG NO: ES	-16-6	5-CIW

DATE	BY	E.C.O.
10/20/14	TJE	1615
12/13/17	CJR	1663
02/19/20	MAN	2027
	10/20/14 12/13/17	10/20/14 TJE 12/13/17 CJR

L'TR	
*	ORIGINAL ISSUE
A	REMOVED SPECIFIC END
В	REVISED BOTTOM BAR D

				-		1	CPOO	01/CP0651	- 0.0236/0.	0220 Minin	num Thickn					Anchors are	the same d	iameter as	assembly fa	steners)						
-				-	Made	Assembly	Accombly	-	Hilti Kw	ik Bolt 3	concret			Wedge All	e Strengtin		Red Head		ussennary ru		Powers W	edge-Bolt				
DBG Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Mald	Fastener Diameter	Fastener Spacing	Max O.C.		Min. Wall Thick.	Edge Dist	Max O.C.		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	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	36	2 5/8	3 15/16	5 3/4	36	3	4 1/2	5 3/4	30	2	3	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	32	2 5/8	3 15/16	5 3/4	33	3	4 1/2	5 3/4	25	2	3	5 3/4 5 3/4			
7'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	28	2 5/8	3 15/16	5 3/4	28	3	4 1/2	5 3/4 5 3/4	22	2	3	5 3/4			
8'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4 5 3/4	24	2 5/8	3 15/16 3 15/16	5 3/4 5 3/4	23	3	4 1/2	5 3/4	17	2	3	5 3/4			
9'-5" 10'-5"	N/A N/A	N/A N/A	N/A N/A	344* 344*	N/A 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	15	2	3	5 3/4			
11'-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	18	3	4 1/2	5 3/4	14	2	3	5 3/4			
12'-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	17	3	4 1/2	5 3/4	13	2	3	5 3/4			
13'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	15	2 5/8	3 15/16	5 3/4	16	3	4 1/2	5 3/4	12	2	3	5 3/4			
14'-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	11	2	3	5 3/4			
15'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	13	2 5/8	3 15/16	5 3/4	13	3	4 1/2	5 3/4	10	2	3	5 3/4			
16'-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	10	2	3	5 3/4			
17'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	36	2 3/8	4	5 3/4	16	2 5/8	3 15/16	5 3/4	17	3	4 1/2	5 3/4	10	2	3	5 3/4			
18'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	16	2 3/8	4	5 3/4	12	2 5/8	3 15/16	5 3/4	12	3	4 1/2	5 3/4	7	2	3	5 3/4			
19'-5"	1 1/2	0.719	CP0629	344	12	3/8	17			/A		9	2 5/8	3 15/16	5 3/4	9	3	4 1/2	5 3/4	6	2	3	5 3/4			
20'-5"	1 1/2	0.719	CP0629	344	12	3/8	14			/A		8	2 5/8	3 15/16	5 3/4	8	3	4 1/2	5 3/4	5	2	3	5 3/4			
21'-5"	1 1/2	0.719	CP0629	344	11	3/8	13			/A		7	2 5/8	3 15/16	5 3/4	7	3	4 1/2	5 3/4	5	2 1/2	3 3/4 3 3/4	5 3/4			
22'-5"	1 1/2	0.719	CP0629	344	10	3/8	11		1	/A	6 13/10	6	2 5/8	3 15/16	5 3/4	6	3 4 1/8	4 1/2 6 3/16	5 3/4 6 13/16	4	2 1/2	3 3/4	6 13/16			
23'-5"	2	1.219	CP0629	445	12	1/2	18	36	3 5/8	6	6 13/16 6 13/16	16	4 1/2	6 3/4 6 3/4	6 13/16 6 13/16		4 1/8	6 3/16		6	2 1/2	3 3/4	6 13/16			
24'-5"	2	1.219	CP0629 CP0629	445	11 10	1/2	18	36	3 5/8 3 5/8	6	6 13/16	14	4 1/2	6 3/4	6 13/16		4 1/8	6 3/16		6	2 1/2	3 3/4	6 13/16			
25'-5" 26'-5"	2	1.219	CP0629 CP0630	445	10	1/2	18	36	3 5/8	8	6 13/16	11	4 1/2	6 3/4	6 13/16		4 1/8	6 3/16		8	3 1/2	5 1/4	6 13/16			
27'-5"	2	1.156	CP0630	445	9	1/2	17	28	3 5/8	8	6 13/16	11	4 1/2	6 3/4	6 13/16		4 1/8	6 3/16		7	3 1/2	5 1/4	6 13/16			
28'-5"	2	1.156	CP0630	445	9	1/2	16			/A		10	4 1/2	6 3/4	6 13/16		4 1/8	6 3/16		6	3 1/2	5 1/4	6 13/16			
29'-5"	2	1.156	CP0630	445	9	1/2	15			/A		9	4 1/2	6 3/4	6 13/16		4 1/8	6 3/16		6	3 1/2	5 1/4 5 1/4	6 13/16 6 13/16			
30'-5"	2	1.156	CP0630	445	8	1/2	14			/A		8	4 1/2	6 3/4 6 3/4	6 13/16 6 13/16		4 1/8	6 3/16	6 13/16 6 13/16	6	3 1/2	6	6 13/16			
31'-5"	2	1.156	CP0630 & CP0647	445	8	1/2	13			/A /A		8	4 1/2	6 3/4	6 7/8	0		1/A	013/10	9	5	7 1/2	6 7/8			
32'-5" 33'-5"	2	1.156	CP0630 & CP0647 CP0630 & CP0647	446	8	5/8	18			/A		10	4 1/2	6 3/4	6 7/8			I/A	-	9	5	7 1/2	6 7/8			
34'-5"	2	1.156	CP0630 & CP0647	446	7	5/8	18	-		/A	_	9	4 1/2	6 3/4	6 7/8	1	N	I/A		8	5	7 1/2	6 7/8			
35'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	17		N	/A		9	4 1/2	6 3/4	6 7/8		N	I/A		8	5	7 1/2	6 7/8			
36'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	16		n	I/A		8	4 1/2	6 3/4	6 7/8	-	1	I/A	-	7	5	7 1/2	6 7/8			
37'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	16		r	I/A		8	4 1/2	6 3/4	6 7/8			I/A		7	5	7 1/2	6 7/8			
38'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	15	1	1	/A	1	8	4 1/2	6 3/4	6 7/8	-	-	I/A	1 7 1/2			I/A	-			
39'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18	28	5 5/8	8	7 1/2	12	5	7 1/2	7 1/2	13	6 5/8	9 15/16 9 15/16				1/A 1/A				
40'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18	22	5 5/8	8	7 1/2	11	5	7 1/2	7 1/2	12	0 5/8	9 15/16	1 1/2	-		y A				
								PARTY S * PP	NO NO	FRICA 5829	120	111111111111111111111111111111111111111		C	0	RI		e door so	L	MOUN	MWOOI TAINTC	DP, PA		ITCHFIELD RD DYEAR, AZ	dimen:	otherwise specifier sions are in inches tolerances are: .000 = +/- 0.031
								ROFE	STA SSION	RID ALE	NGININ NO INI	Inner		TITLE:	W	IND			DNFI	E: AD		RNELLI	RON.CO	DRAWN BY: TJE		CTIONAL = +/- 1/32 GLES = +/- 1/2 DEG SCALE: SHEE AS NOTED 18/5
										mun									ING				TED	DWG NO:		65-CIW





REVISION	DATE	BY	E.C.O.
	10/20/14	TJE	1615
DLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/20/14	TJE	1615
A	REMOVED SPECIFIC ENDLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
В	REVISED BOTTOM BAR DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

													C	P0001/CP06	51 - 0.0236	j/0.0220 Mi	nimum Thic	kness Galv	vanized or S	tainless St	eel - 20 PSF,	Cont.													
						Filled CN	NU									C	racked Cond	rete Minir	mum 3,000	PSI Compre	ssive Streng	th					Steel (W	all anchors are f	the same asteners)	diameter as	assembly		Superimpo	used Loads	
DBG		Hilti Kw	ik Bolt 3		1	Simpson	Strong-Bolt	2		Through Bo	lt	1	Hi	lti Kwik Bolt	TZ			Simp	oson Strong	Bolt 2			ITW	Redhead Tr	ubolt+		N	/elded	Through Bolt	Та	pped		Subcumbe	300 10003	
Up To	Max O.C.	Dia.	Embed	Edge Dist	Max O.C.	Dia.	Embed	Edge Dist	Max. O.C.	Dia.	Edge Distance	Max O.C.	Dia.	Embed.	Min Wall Thick.	Edge Dist	Max O.C.	Dia.	Embed.	Min Wal 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 (-)
5'-5"	9	3/8	1 5/8	5 3/4	15	3/8	2 5/8	5 3/4	36	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	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	55	0	55
6'-5"	18	3/8	2 1/2	5 3/4	12	3/8	2 5/8	5 3/4	32	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	19	3/8	2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	65	0	65
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
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
9'-5"	12	3/8	2 1/2	5 3/4	8	3/8	2 5/8	5 3/4	22	3/8	5 3/4	22 3/4	3/8	2 5/16	4	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	3/8	2	5	5 3/4	36	7/16 x 5/8	36	36	3/16	0	95	0	95
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
11'-5"	10	3/8	2 1/2	5 3/4	8	1/2	3 1/2	5 3/4	18	3/8	5 3/4	7 1/8	3/8	2 5/16	5	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	10 5/16	3/8	2	5	5 3/4	36	7/16 x 5/8	36	36	3/16	0	115	0	115
12'-5"	9	3/8	2 1/2	5 3/4	8	1/2	3 1/2	5 3/4	16	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	125	0	125
13'-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	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	135	0	135
14'-5"	8	3/8	2 1/2	5 3/4	13	3/4	5 1/4	5 3/4	14	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	22 3/4	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	145	0	145
15'-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	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	12 5/8	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	155	0	15
16'-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	22 3/4	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	28 1/2	1/2	3 3/4	8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	165	0	165
7'-5"	10	3/8	2 1/2	5 3/4	8	1/2	3 1/2	5 3/4	16	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	1/2	2 1/2	4	5 3/4	34	7/16 x 5/8	34	22	3/16	312	175	299	17
8'-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	22 3/4	1/2	3 5/8	6	5 3/4	16 1/4	1/2	2 3/4	4 1/2	5 3/4	36	1/2	3 3/4	8	5 3/4	24	7/16 x 5/8	24	15	3/16	446	185	434	18
9'-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	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	19	7/16 x 5/8	19	12	3/16	573	195	562	19
20'-5"	9	3/4	4 3/8	5 3/4		1	N/A		8	3/8	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	15	7/16 x 5/8	15	10	3/16	695	205	684	20
21'-5"	8	3/4	4 3/8	5 3/4			N/A		7	3/8	5 3/4	28 1/2	3/4	5 9/16	8	5 3/4	36	3/4	5 3/4	8 3/4	5 3/4			N/A			13	7/16 x 5/8	13	8	3/16	813	215	803	21
22'-5"			/A		1		N/A		6	3/8	5 3/4			N/A					N/A	-		1		N/A			11	7/16 x 5/8	11	7	3/16	928	225	919	22
23'-5"	10	3/4	4 3/8	6 13/16			N/A		16	1/2	6 13/16	36	3/4	5 9/16	8	6 13/16	36	3/4	5 3/4	8 3/4	6 13/16	36	3/4	4 3/8	8	6 13/16		9/16 x 3/4	34	19	1/4	725	234	718	23
24'-5"	9	3/4	4 3/8	6 13/16			N/A		14	1/2	6 13/16	36	3/4	5 9/16	8	6 13/16	36	3/4	5 3/4	8 3/4	6 13/16	22 3/4	3/4	4 3/8	8	6 13/16	30	9/16 x 3/4	30	16	1/4	816	244	810	245
25'-5"	8	3/4	4 3/8	6 13/16			N/A		13	1/2	6 13/16	28 1/2	3/4	5 9/16	8	6 13/16	36	3/4	5 3/4	8 3/4	6 13/16	1		N/A			27	9/16 x 3/4	27	15	1/4	906	254	900	25
26'-5"			/A				N/A	-	11	1/2	6 13/16			N/A	-				N/A					N/A			24	9/16 x 3/4	24	13	1/4	1029	265	1022	26
27'-5"			/A				N/A		11	1/2	6 13/16			N/A					N/A					N/A			22	9/16 x 3/4	22	12	1/4	1119	275	1112	27
28'-5"			/A				N/A		10	1/2	6 13/16			N/A					N/A			1		N/A			20	9/16 x 3/4	20	11	1/4	1208	285	1202	285
29'-5"			/A		-		N/A		9	1/2	6 13/16			N/A					N/A					N/A			19	9/16 x 3/4	19	10	1/4	1297	295	1291	29
30'-5"			/A				N/A		8	1/2	6 13/16			N/A					N/A					N/A			17	9/16 x 3/4	17	9	1/4	1387	305	1380	306
31'-5"			/A		-		N/A		8	1/2	6 13/16			N/A					N/A					N/A		_	16	9/16 x 3/4	16	9	1/4	1476	315	1469	316
32'-5"	-		/A				N/A		10	5/8	6 7/8		-	N/A					N/A			1000		N/A			24	11/16 x 7/8	24	13	5/16	1565	325	1559	320
33'-5"			/A				N/A		10	5/8	6 7/8			N/A					N/A					N/A		_	22	11/16 x 7/8	22	12	5/16	1655	335	1648	33
34'-5"			/A		-		N/A		9	5/8	6 7/8			N/A					N/A			-		N/A			21	11/16 x 7/8	21	11	5/16	1745	346	1738	34
35'-5"			/A				N/A		9	5/8	6 7/8	-		N/A			-		N/A		_			N/A			20	11/16 x 7/8	20	11	5/16	1835	356	1829	356
36'-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	1926	366	1920	36
37'-5"			/A		-	-	N/A		8	5/8	6 7/8			N/A					N/A			-		N/A		-	18	11/16 x 7/8	18	10	5/16	2018	376	2012	37
38'-5"			/A			-	N/A		8	5/8	6 7/8			N/A					N/A			-		N/A			17	11/16 x 7/8	17	9	5/16	2110	386	2104	387
39'-5"			/A				N/A		12	3/4	7 1/2	-		N/A		,			N/A					N/A		-	36	13/16 x 1	36	24	3/8	1819	395	1813	395
40'-5"		N	/A				N/A		11	3/4	7 1/2			N/A		1			N/A			-		N/A			36	13/16 x 1	36	23	3/8	1898	405	1892	406





L'TR * ORIGINAL ISSUE A REMOVED SPECIFIC END B REVISED BOTTOM BAR D

1		1					1	01/CP0651 -						Compressive		nchors are	the same d	iameter as	assembly fa	steners)						
	Windlock	1.2			Windlock	Assembly	Assembly	-	Hilti Kwi	ik Bolt 3			Simpson	Wedge All			Red Head	d Tru-Bolt			Powers W	/edge-Bolt				
DBG p To	Flat	Slip	Windlock	Guide Assembly	Mald	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			
5'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	25	2 5/8	3 15/16	5 3/4	26	3	4 1/2	5 3/4	20	2	3	5 3/4			
'- 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	0		
"-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	3	5 3/4 5 3/4			
3'-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	17	3	4 1/2	5 3/4 5 3/4	13 11	2	3	5 3/4	4		
9'-5" 0'-5"	N/A	N/A	N/A	344* 344*	N/A N/A	3/8	24	36	2 3/8 2 3/8	4	5 3/4 5 3/4	14	2 5/8	3 15/16 3 15/16	5 3/4 5 3/4	15	3	4 1/2	5 3/4	10	2	3	5 3/4	1.1		
1-5"	N/A N/A	N/A N/A	N/A N/A	344*	N/A N/A	3/8	24	22	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	9	2	3	5 3/4			
-5"	N/A	N/A	N/A	344*	N/A	3/8	24	9	2 3/8	4	5 3/4	11	2 5/8	3 15/16	5 3/4	11	3	4 1/2	5 3/4	8	2	3	5 3/4			
3'-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	8	2	3	5 3/4			
·-5*	1 1/2	0.719	CP0629	344	12	3/8	18	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	12	2	3	5 3/4			
'- 5 "	1 1/2	0.719	CP0629	344	12	3/8	18	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	8	2	3	5 3/4			
i'-5"	1 1/2	0.719	CP0629	344	12	3/8	16		N	/A		9	2 5/8	3 15/16	5 3/4	9	3	4 1/2	5 3/4	6	2	3	5 3/4			
"-5"	1 1/2	0.719	CP0629	344	12	3/8	13		N,		-	7	2 5/8	3 15/16	5 3/4	7	3	4 1/2	5 3/4	4	2	3	5 3/4			
'-5"	1 1/2	0.719	CP0629	344	10	3/8	11			/A	Lauri	6	2 5/8	3 15/16	5 3/4	6	3	4 1/2	5 3/4	4	2 1/2	3 3/4	5 3/4			
9'-5"	2	1.219	CP0629	445	12	1/2	18	36	3 5/8	6	6 13/16	16	4 1/2	6 3/4	6 13/16	12	4 1/8	6 3/16	6 13/16	7	2 1/2	3 3/4	6 13/16 6 13/16	1		
)'-5"	2	1.219	CP0629	445	11	1/2	18	36	3 5/8	6	6 13/16	13	4 1/2	6 3/4	6 13/16	11	4 1/8	6 3/16 6 3/16	6 13/16 6 13/16	6	2 1/2	3 3/4 5 1/4	6 13/16			
L'-5"	2	1.156	CP0630	445	10	1/2	17	36	3 5/8	8	6 13/16	11	4 1/2	6 3/4	6 13/16	9	4 1/8	6 3/16	6 13/16	7	3 1/2	5 1/4	6 13/16	2		
2'-5"	2	1.156	CP0630 CP0630	445 445	9	1/2	15 14		N,		-	10	4 1/2	6 3/4 6 3/4	6 13/16 6 13/16	8	4 1/8	6 3/16	6 13/16	6	3 1/2	5 1/4	6 13/16			
3'-5" 4'-5"	2	1.156	CP0630	445	8	1/2	14	-	N			8	4 1/2	6 3/4	6 13/16	6	4 1/8	6 3/16		7	4	6	6 13/16			
5'-5"	2	1.156	CP0630 & CP0647	446	8	5/8	18	-		/A		10	4 1/2	6 3/4	6 7/8			/A		9	5	7 1/2	6 7/8			
5'-5"	2	1.156	CP0630 & CP0647	446	8	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]		
7'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	17		N	/A		9	4 1/2	6 3/4	6 7/8	1	N	I/A		8	5	7 1/2	6 7/8			
3'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	16		N	/A		8	4 1/2	6 3/4	6 7/8	-	N	I/A		7	5	7 1/2	6 7/8			
9'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	15		N	/A	-	8	4 1/2	6 3/4	6 7/8		N	I/A				N/A				
0'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18	28	5 5/8	8	7 1/2	12	5	7 1/2	7 1/2	13	6 5/8	9 15/16				N/A				
1'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18			/A		11	5	7 1/2	7 1/2	12	6 5/8	9 15/16				N/A		-		
2'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18			I/A		10	5	7 1/2	7 1/2	12	6 5/8	9 15/16	-		-	N/A		-		
3'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18			I/A I/A		10	5	7 1/2	7 1/2	11 10	6 5/8 6 5/8	9 15/16 9 15/16	7 1/2			V/A				
4'-5" 5'-5"	2 1/2	1.656	CP0630 & CP0647 CP0630 & CP0647	548 548	7	3/4	18	-		1/A		9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2	-		N/A.				
6'-5"	2 1/2 2 1/2	1.656	CP0630 & CP0647	548	6	3/4	18			I/A		9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2	-		N/A	-			
7'-5"	2 1/2	1.656	CP0630 & CP0647	548	6	3/4	17	-		1/A		8	5	7 1/2	7 1/2	8	6 5/8	9 15/16	7 1/2		1	N/A		1		
8'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	16			I/A	-	8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2	-	1	N/A				
9'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	16		N	I/A	-	8	5	7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2		1	N/A				
0'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	15		N	I/A		7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2			N/A		0.0		
								* SHAPPE	PA. Do	TRIGK ENS 5829	Kat Kat	11111111111111111111111111111111111111		C	DI	S.		door sole	utions."	24 ELM MOUNT P: 800.2 F: 800.5	AINTO	P, PA		ITCHFIELD RD DYEAR, AZ	Unless otherwise spe dimensions are in inc tolerances are: 0.000 = +/- 0.03 FRACTIONAL = +/-	hes
								PROFUN	STA SSIO	TE O	F A.O.	HININ .	T	TTLE:							@COR			M DRAWN BY: TJE DWG NO:	ANGLES = +/- 1/2 D SIZE: SCALE: SI B AS NOTED 2	DEC
									m	111111			0	CPOC	01/C	P06	51 S	LAT	NON	-IMF	ACT	RA	10. a. 10. a. 1	ES	6-16-65-CIW	



.



REVISION	DATE	BY	E.C.O.
	10/20/14	TJE	1615
DLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

	L'TR	
	*	ORIGINAL ISSUE
1		

REMOVED SPECIFIC END Α

В **REVISED BOTTOM BAR I**

_			_								_		C	P0001/CP06	51 - 0.023	5/0.0220 M	inimum Thio	kness Galv	anized or S	tainless St	eel - 30 PSF	, Cont.					1		-						
						Filled CM	U									(Cracked Con	rete Minin	num 3,000	PSI Compre	essive Stren	gth					Steel (W	all anchors are fi	the same asteners)	diameter as	assembly		Superimpo	nsed Loads	
DBG		Hilti Kv	vik Bolt 3			Simpson	Strong-Bolt 2	2	Т	hrough Bol	t		Hi	lti Kwik Bolt	TZ		1	Simp	son Strong	Bolt 2	1.1		ITW	Redhead Tr	ubolt+		w	/elded	Through Bolt	Тар	oped		Superimpo	300 10003	
Up To	Max O.C.	Dia.	Embed	Edge Dist	Max O.C.	Día.	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	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 (-)
5'-5"	14	3/8	2 1/2	5 3/4	10	3/8	2 5/8	5 3/4	25	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	83	0	82
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
7'-5"	10	3/8	2 1/2	5 3/4	9	1/2	3 1/2	5 3/4	18	3/8	5 3/4	10 5/16	3/8	2 5/16	5	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	14 1/4	3/8	2	5	5 3/4	36	7/16 x 5/8	36	36	3/16	0	113	0	112
8'-5"	9	3/8	2 1/2	5 3/4	15	3/4	5 1/4	5 3/4	16	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	128	0	127
9'-5"	8	3/8	2 1/2	5 3/4	13	3/4	5 1/4	5 3/4	14	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	28 1/2	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	143	0	142
0'-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	28 1/2	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	10 5/16	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	158	0	157
1'-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	16 1/4	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	22 3/4	1/2	3 3/4	8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	173	0	172
2'-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	1/2	3 5/8	8	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	3/4	4 3/8	7	5 3/4	36	7/16 x 5/8	36	36	3/16	0	188	0	187
3'-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	28 1/2	1/2	3 5/8	8	5 3/4	22 3/4	1/2	3 7/8	6	5 3/4	36	3/4	4 3/8	7	5 3/4	36	7/16 x 5/8	36	36	3/16	0	203	0	202
4'-5"	11	3/8	2 1/2	5 3/4	9	1/2	3 1/2	5 3/4	19	3/8	5 3/4	14 1/4	3/8	2 5/16	5	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	19	3/8	2	5	5 3/4	36	7/16 x 5/8	36	36	3/16	173	218	151	217
5'-5"	8	3/8	2 1/2	5 3/4	12	3/4	5 1/4	5 3/4	13	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	28 1/2	3/8	2 7/8	4 1/2	5 3/4	19	1/2	3 3/4	6	5 3/4	28	7/16 x 5/8	28	18	3/16	377	233	358	232
6'-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	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	19	7/16 x 5/8	19	12	3/16	567	248	550	247
7'-5"	8	3/4	4 3/8	5 3/4			N/A		7	3/8	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	14	7/16 x 5/8	14	9	3/16	746	263	730	262
3'-5"		N	I/A			4	N/A		6	3/8	5 3/4			N/A					N/A				-	N/A			11	7/16 x 5/8	11	7	3/16	918	278	903	278
9'-5"	9	3/4	4 3/8	6 13/16		1	N/A		16	1/2	6 13/16	36	3/4	5 9/16	8	6 13/16	36	3/4	5 3/4	8 3/4	6 13/16	36	3/4	4 3/8	8	6 13/16	34	9/16 x 3/4	34	19	1/4	723	291	713	292
0'-5"	8	3/4	4 3/8	6 13/16			N/A		13	1/2	6 13/16	36	3/4	5 9/16	8	6 13/16	36	3/4	5 3/4	8 3/4	6 13/16			N/A		-	29	9/16 x 3/4	29	16	1/4	857	306	848	307
1'-5"		N	I/A			1	N/A		11	1/2	6 13/16			N/A	-				N/A			-		N/A			24	9/16 x 3/4	24	13	1/4	1025	321	1016	322
2'-5"		N	I/A			4	N/A		10	1/2	6 13/16	1		N/A				-	N/A			-		N/A			21	9/16 x 3/4	21	11	1/4	1155	336	1146	337
3'-5"		N	I/A			and the second	N/A		9	1/2	6 13/16			N/A		-			N/A	-			-	N/A			19	9/16 x 3/4	19	10	1/4	1284	352	1275	352
4'-5"		N	I/A		1		N/A		8	1/2	6 13/16			N/A				-	N/A					N/A			17	9/16 x 3/4	17	9	1/4	1412	367	1403	368
5'-5"		N	I/A			I	N/A		10	5/8	6 7/8			N/A	_				N/A	1				N/A			24	11/16 x 7/8	24	13	5/16	1538	382	1529	383
6'-5"		N	I/A			1	N/A		10	5/8	6 7/8			N/A	_				N/A					N/A	_		22	11/16 x 7/8	22	12	5/16	1664	397	1655	398
?'-5"		N	I/A	-		1	N/A		9	5/8	6 7/8			N/A			1		N/A				_	N/A			21	11/16 x 7/8	21	11	5/16	1791	412	1782	413
28'-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	1917	427	1908	428
9'-5"		N	I/A		-		N/A	1	8	5/8	6 7/8			N/A			1		N/A					N/A			18	11/16 x 7/8	18	10	5/16	2044	443	2035	444
30'-5"		N	I/A	-			N/A		12	3/4	7 1/2			N/A			1		N/A					N/A			36	13/16 x 1	36	25	3/8	1779	456	1770	457
31'-5"			I/A				N/A		11	3/4	7 1/2			N/A	-		1		N/A					N/A			36	13/16 x 1	36	23	3/8	1887	472	1879	472
32'-5"			I/A				N/A		10	3/4	7 1/2			N/A			1.000		N/A					N/A		-	36	13/16 x 1	36	22	3/8	1997	487	1988	487
33'-5"	-		N/A				N/A		10	3/4	7 1/2			N/A			-		N/A		-	-		N/A			36	13/16 x 1	36	21	3/8	2106	502	2098	502
4'-5"			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	2217	517	2208	518
35'-5"			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	2328	533	2319	533	
6'-5"			N/A				N/A		9	3/4	7 1/2		N/A					N/A					N/A	-		33	13/16 x 1	33	18	3/8	2440	548	2432	548	
37'-5"			N/A				N/A		8	3/4	7 1/2			N/A					N/A	_		-	_	N/A			32	13/16 x 1	32	17	3/8	2553	563	2544	564
38'-5"	-		N/A				N/A		8	3/4	7 1/2			N/A			1		N/A	-				N/A			30	13/16 x 1	30	16	3/8	2667	578	2658	579
39'-5"			N/A				N/A		8	3/4	7 1/2			N/A			-		N/A	_		-		N/A	_		29	13/16 x 1	29	16	3/8	2782	594	2773	594
40'-5"	-	١	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	2897	609	2889	610





REVISION	DATE	BY	E.C.O.
Contraction of the second	10/20/14	TJE	1615
DLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

L'TR	REVISION	DATE	BY	E.C.O
*	ORIGINAL ISSUE	10/20/14	TJE	1615
Α	REMOVED SPECIFIC ENDLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
В	REVISED BOTTOM BAR DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

	<u>т т</u>		1		-		CFUU	01/1/0051	0.0230/0.	0220 Minin					e Strength (/	Inchore are	the came of	liameter ac	accombly fa	stanars			
							Annahlis			vik Bolt 3	Concret			Wedge All	e strengtri (/			d Tru-Bolt	assentory to		Powers V	/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 Dis
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
6'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	16	2 5/8	3 15/16	5 3/4	16	3	4 1/2	5 3/4	12	2	3	5 3/4
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	11	2	3	5 3/4
8'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	22	2 3/8	4	5 3/4	12	2 5/8	3 15/16	5 3/4	12	3	4 1/2	5 3/4	9	2	3	5 3/4
9'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	8	2 3/8	4	5 3/4	11	2 5/8	3 15/16	5 3/4	11	3	4 1/2	5 3/4	8	2	3	5 3/4
10'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	7	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	7	2	3	5 3/4
11'-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 7 2							2	3	5 3/4						
13'-5"	1 3/8	0.594	CP0629	344	12	3/8	18	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	11	2 1/2	3 3/4	5 3/4
14'-5"	1 1/2	0.719	CP0629	344	12	3/8	16	1	N	I/A		10	2 5/8	3 15/16	5 3/4	10	3	4 1/2	5 3/4	6	2	3	5 3/4
15'-5"	1 1/2	0.719	CP0629	344	12	3/8	12		N	I/A		7	2 5/8	3 15/16	5 3/4	7	3	4 1/2	5 3/4	4	2	3	5 3/4
16'-5"	1 3/4	0.969	CP0629	445	12	1/2	18	36	3 5/8	6	6 13/16	15	4 1/2	6 3/4	6 13/16	12	4 1/8	6 3/16	6 13/16	7	2 1/2	3 3/4	6 13/1
17'-5"	1 7/8	1.094	CP0629	445	11	1/2	18	36	3 5/8	6	6 13/16	13	4 1/2	6 3/4	6 13/16	11	4 1/8	6 3/16	6 13/16	6	2 1/2	3 3/4	6 13/1
18'-5"	2	1.156	CP0630	445	10	1/2	17	36	3 5/8	8	6 13/16	11	4 1/2	6 3/4	6 13/16	9	4 1/8	6 3/16	6 13/16	8	3 1/2	5 1/4	6 13/1
19'-5"	2	1.156	CP0630	445	9	1/2	15		Ň	I/A		10	4 1/2	6 3/4	6 13/16	8	4 1/8	6 3/16	6 13/16	7	3 1/2	5 1/4	6 13/1
20'-5"	2	1.156	CP0630	445	9	1/2	13		N	I/A		9	4 1/2	6 3/4	6 13/16	7	4 1/8	6 3/16	6 13/16	6	3 1/2	5 1/4	6 13/1
21'-5"	2	1.156	CP0630 & CP0647	446	8	5/8	18	-	N	I/A	-	11	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	CP0630 & CP0647	446	8	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	CP0630 & CP0647	546	7	5/8	16		N	I/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	CP0630 & CP0647	546	7	5/8	15	1	N	I/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	CP0630 & CP0647	546	7	5/8	14		N	I/A	-	7	4 1/2	6 3/4	6 7/8		N	I/A			1	N/A	-
26'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18		N	N/A		11	5	7 1/2	7 1/2	12	6 5/8	9 15/16	7 1/2			N/A	
27'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18	1	N	I/A		10	5	7 1/2	7 1/2	11	6 5/8	9 15/16	7 1/2		N/A		
28'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18	8 N/A					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	CP0630 & CP0647	548	6	3/4	18	N/A				9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2			N/A	
30'-5"	2 1/2	1.656	CP0630 & CP0647	548	6	3/4	17	N/A				8	5	7 1/2	7 1/2	9	6 5/8	9 15/16	7 1/2			A/A	
31'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	16	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	CP0630 & CP0647	648	6	3/4	16	N/A					5	7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2			N/A	
33'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	15		٩	N/A		7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2	N.	1	N/A	





ELMWOOD AVE 1901 S. UNTAINTOP, PA GOO		dimens	otherwise s ions are in i plerances a	inches &
800.233.8366 800.526.0841 ADS@CORNELLIRON.C	ОМ	FRAC	000 = +/- 0. TIONAL = - _ES = +/- 1/	+/- 1/32
IDATION	DRAWN BY:	SIZE:	SCALE:	SHEET:
IRATION	TJE	B	AS NOTED	22/58
EEL DOOR	DWG NO:	16-6	5-CIW	
MPACT RATED		-10-0	0-0144	

L'TR	REVISION	DATE	BY	E.C.O
*	ORIGINAL ISSUE	10/20/14	TJE	1615
A	REMOVED SPECIFIC ENDLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
В	REVISED BOTTOM BAR DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

		_											C	P0001/CP06	51 - 0.0236	5/0.0220 Mi	nimum Thic	kness Gal	vanized or S	tainless Ste	el - 40 PSF,	Cont.					1								
						Filled CMU	J									(cracked Cond	rete Minir	mum 3,000 l	SI Compres	ssive Streng	th					Steel (W	all anchors are	the same (fasteners)	diameter as	assembly		Superimpos	sed Loads	
DBG		Hilti Kwi	k Bolt 3			Simpson S	trong-Bolt 2		1	Through Bo	lt		Hi	lti Kwik Bolt	TZ			Sim	pson Strong-	Bolt 2			ITW	Redhead Tr	ubolt+		W	elded	Through Bolt	Тај	oped		Superimpo.	Jed couds	
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.	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 (-)
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	12 5/8	3/8	2 5/16	5	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	16 1/4	3/8	2	5	5 3/4	36	7/16 x 5/8	36	36	3/16	0	110	0	109
6'-5"	9	3/8	2 1/2	5 3/4	15	3/4	5 1/4	5 3/4	16	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	130	0	129
7'-5"	8	3/8	2 1/2	5 3/4	13	3/4	5 1/4	5 3/4	14	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	16 1/4	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	150	0	149
8'-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	19	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	22 3/4	1/2	3 3/4	8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	170	0	169
9'-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	1/2	3 5/8	8	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	3/4	4 3/8	7	5 3/4	36	7/16 x 5/8	36	36	3/16	0	190	0	189
10'-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	19	1/2	3 5/8	8	5 3/4	16 1/4	1/2	3 7/8	6	5 3/4	36	3/4	4 3/8	7	5 3/4	36	7/16 x 5/8	36	36	3/16	0	210	0	209
11'-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	3/4	5 9/16	8	5 3/4	22 3/4	3/4	4 1/8	6 3/4	5 3/4	22 3/4	3/4	4 3/8	7	5 3/4	36	7/16 x 5/8	36	36	3/16	0	230	0	229
13'-5"	8	3/8	2 1/2	5 3/4	12	3/4	5 1/4	5 3/4	14	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	22 3/4	1/2	3 3/4	6	5 3/4	28	7/16 x 5/8	28	18	3/16	362	270	333	269
14'-5"	8	3/4	3 1/4	5 3/4	9	3/4	5 1/4	5 3/4	10	3/8	5 3/4	28 1/2	1/2	3 5/8	8	5 3/4	22 3/4	1/2	3 7/8	6	5 3/4	36	3/4	4 3/8	7	5 3/4	21	7/16 x 5/8	21	13	3/16	500	290	476	289
15'-5"	8	3/4	4 3/8	5 3/4		٨	N/A		7	3/8	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	14	7/16 x 5/8	-	9	3/16	739	310	718	310
16'-5"	9	3/4	4 3/8	6 13/16	1	N	I/A		15	1/2	6 13/16	36	3/4	5 9/16	8	6 13/16	36	3/4	5 3/4	8 3/4	6 13/16	28 1/2	3/4	4 3/8	8	6 13/16		9/16 x 3/4	33	18	1/4	739	329	724	329
17'-5"	8	3/4	4 3/8	6 13/16			N/A		13	1/2	6 13/16	36	3/4	5 9/16	8	6 13/16	36	3/4	5 3/4	8 3/4	6 13/16	-		N/A	_		29	9/16 x 3/4	29	16	1/4	846	348	832	349
18'-5"	1	N/					N/A		11	1/2	6 13/16			N/A	_	_			N/A			-		N/A			25	9/16 x 3/4		14	1/4	985	368	973	369
19'-5"	L	N/			-		N/A		10	1/2	6 13/16			N/A	-				N/A			-		N/A			21	9/16 x 3/4	21	11	1/4	1157	388	1145	389 409
20'-5"		N/					N/A		9	1/2	6 13/16	1		N/A					N/A					N/A			18	9/16 x 3/4	18	10	1/4	1325	408	1313	-
21'-5"			'A				N/A		11	5/8	6 7/8	-		N/A					N/A					N/A			25	11/16 x 7/8		14	5/16	1490	429	1478	430
22'-5"		N/					N/A		10	5/8	6 7/8			N/A					N/A					N/A			22	11/16 x 7/8		12	5/16	1653	449	1641 1804	450
23'-5"		N/			1		N/A		9	5/8	6 7/8	2		N/A			-		N/A					N/A			20	11/16 x 7/8		11	5/16	1815 1977	469 489	1965	470
24'-5"		N/					N/A		8	5/8	6 7/8			N/A					N/A			-		N/A			19	11/16 x 7/8		9	5/16	2138	510	2127	511
25'-5"		N/			1		A/A		7	5/8	6 7/8	-		N/A					N/A	_				N/A			17	13/16 x 1	36	23	3/8	1876	528	1865	529
26'-5"	ton and	N,			-		N/A		11	3/4	7 1/2			N/A					N/A					N/A			36	13/16 x 1 13/16 x 1	36	23	3/8	2014	548	2003	549
27'-5"			A		-		N/A		10	3/4	7 1/2			N/A					N/A					N/A			36		30	20	3/8	2014	548	2003	569
28'-5"		N,					A/A		10	3/4	7 1/2		-	N/A					N/A			-		N/A			36	13/16 x 1 13/16 x 1	30	19	3/8	2153	589	2281	589
29'-5"		N,	0				N/A		9	3/4	7 1/2			N/A		-			N/A			-		N/A			35	13/16 x 1 13/16 x 1		19	3/8	2432	609	2421	610
30'-5"		N,			-		N/A		8	3/4	7 1/2			N/A				_	N/A					N/A	_		33	13/16 x 1 13/16 x 1	33	18	3/8	2432	629	2421	630
31'-5"		N,			-		N/A		8	3/4	7 1/2			N/A			-		N/A			-		N/A N/A			31	13/16 x 1 13/16 x 1	30	16	3/8	2715	650	2704	650
32'-5"			/A		-		N/A		8	3/4	7 1/2			N/A					N/A			-		N/A N/A			28	13/16 x 1 13/16 x 1	28	10	3/8	2858	670	2704	671
33'-5"		N	/A		-	P	N/A		7	3/4	7 1/2			N/A	_				N/A					N/A			28	13/10 %1	20	15	3/8	2000	0/0	2047	0/1





L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/20/14	TJE	1615
А	REMOVED SPECIFIC ENDLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
В	REVISED BOTTOM BAR DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

1000	1	(10000	11	0		1			Concret	te Minimum	3,000 PSI	Compressiv	e Strength (A	Anchors are	the same d	liameter as	assembly fa	isteners)			
DBG	Windlock	1.1		Guide	Windlock	Assembly	Assembly		Hilti Kw	vik Bolt 3		1.	Simpson	Wedge All			Red Head	d Tru-Bolt			Powers W	/edge-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	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	12	2	3	5 3/4
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	10	2	3	5 3/4
7'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	9	2 3/8	4	5 3/4	11	2 5/8	3 15/16	5 3/4	11	3	4 1/2	5 3/4	8	2	3	5 3/4
8'-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	10	3	4 1/2	5 3/4	7	2	3	5 3/4
9'-5"	N/A	N/A	N/A	344*	N/A	3/8	24		N	I/A		8	2 5/8	3 15/16	5 3/4	9	3	4 1/2	5 3/4	7	2	3	5 3/4
10'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	1	N/A				2 5/8	3 15/16	5 3/4	8	3	4 1/2	5 3/4	6	2	3	5 3/4
13'-5"	1 5/16	0.532	CP0629	344	11	3/8	12		N	I/A	L. married	7	2 5/8	3 15/16	5 3/4	7	3	4 1/2	5 3/4	5	2 1/2	3 3/4	5 3/4
14'-5"	1 3/8	0.531	CP0630	445	9	1/2	17	28	3 5/8	8	6 13/16	11	4 1/2	6 3/4	6 13/16	9	4 1/8	6 3/16	6 13/16	7	3 1/2	5 1/4	6 13/16
15'-5"	1 1/2	0.656	CP0630	445	9	1/2	15		N	I/A	-	10	4 1/2	6 3/4	6 13/16	8	4 1/8	6 3/16	6 13/16	7	3 1/2	5 1/4	6 13/16
16'-5"	1 5/8	0.781	CP0630	445	9	1/2	14		N	I/A		9	4 1/2	6 3/4	6 13/16	7	4 1/8	6 3/16	6 13/16	6	3 1/2	5 1/4	6 13/16
17'-5"	1 7/8	1.031	CP0630	445	9	1/2	14		N	I/A		9	4 1/2	6 3/4	6 13/16	7	4 1/8	6 3/16	6 13/16	6	3 1/2	5 1/4	6 13/16
18'-5"	2	1.156	CP0630	445	8	1/2	13		N	I/A		8	4 1/2	6 3/4	6 13/16	7	4 1/8	6 3/16	6 13/16	7	4	6	6 13/16
19'-5"	2	1.156	CP0630 & CP0647	446	8	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
20'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	16		N	I/A	100	9	4 1/2	6 3/4	6 7/8		N	/A		8	5	7 1/2	6 7/8
21'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	15		N	I/A		8	4 1/2	6 3/4	6 7/8		N	I/A		7	5	7 1/2	6 7/8
22'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18	28	5 5/8	8	7 1/2	12	5	7 1/2	7 1/2	13	6 5/8	9 15/16	7 1/2		N	I/A	
23'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18		N	I/A		11	5	7 1/2	7 1/2	12	6 5/8	9 15/16	7 1/2		N	I/A	
24'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18					10	5	7 1/2	7 1/2	11	6 5/8	9 15/16	7 1/2		N	I/A	
25'-5"	2 1/2	1.656	CP0630 & CP0647	548	6	3/4	18	N/A				9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2		. N	I/A	
26'-5"	2 1/2	1.656	CP0630 & CP0647	548	6	3/4	17	N/A				8	5	7 1/2	7 1/2	9	6 5/8	9 15/16	7 1/2		N	I/A	
27'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	16		N	I/A		8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2		N	I/A	
28'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	15		N	1/A	-	7	5	7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2		N	I/A	





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.C	OM	FRAC	000 = +/- 0.031 TIONAL = +/- 1/32 _ES = +/- 1/2 DEG
RATION	DRAWN BY: TJE	SIZE:	SCALE: SHEET: AS NOTED 24/58
EEL DOOR //PACT RATED	DWG NO: ES	-16-6	5-CIW

L'TR	1
*	ORIGINAL ISSUE
A	REMOVED SPECIFIC END
В	REVISED BOTTOM BAR
-	

						CP0001	L/CP0651 - 0	0.0236/0.02	20 Minimum	Thicknes	s Galvanize	d or Stainle	ss Steel - 50 PS	SF, Cont.					
1.11						Filled CML	J		1.0		a	Steel (Wa	all anchors are	the same of fasteners)	diameter as	assembly		Superimp	o sed Lu
DBG		Hilti Kv	wik Bolt 3			Simpson S	strong-Bolt 2	2	т	hrough Bo	olt	w	elded	Through Bolt	Тар	oped		Subernub	JSEULO
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
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
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
7'-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	188	0
8'-5"	11	3/4	4 3/8	5 3/4	9	3/4	5 1/4	5 3/4	9	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	213	0
9'-5"	10	3/4	4 3/8	5 3/4	8	3/4	5 1/4	5 3/4	8	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	238	0
10'-5"	9	3/4	4 3/8	5 3/4		N	N/A		8	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	263	0
13'-5"	8	3/4	4 3/8	5 3/4		N	N/A		7	3/8	5 3/4	13	7/16 x 5/8	13	9	3/16	781	338	74
14'-5"		1	N/A			N/A				1/2	6 13/16	22	9/16 x 3/4	22	12	1/4	1100	362	107
15'-5"		P	N/A		1	N/A				1/2	6 13/16	20	9/16 x 3/4	20	11	1/4	1189	387	11
16'-5"	-	1	N/A		-	N	N/A		9	1/2	6 13/16	19	9/16 x 3/4	19	10	1/4	1283	412	120
17'-5"		1	N/A			N	N/A		9	1/2	6 13/16	19	9/16 x 3/4	19	11	1/4	1252	436	123
18'-5"		1	N/A			N	A/A		8	1/2	6 13/16	18	9/16 x 3/4	18	10	1/4	1356	460	134
19'-5"		1	N/A	-	1	n	N/A		10	5/8	6 7/8	24	11/16 x 7/8	24	13	5/16	1558	485	15
20'-5"			N/A			N	N/A	-	9	5/8	6 7/8	21	11/16 x 7/8	21	11	5/16	1757	511	17
21'-5"	· · · · · · · · · · · · · · · · · · ·		N/A	-		1	N/A		8	5/8	6 7/8	19	11/16 x 7/8	19	10	5/16	1954	536	19
22'-5"		1	N/A		N/A N/A				12	3/4	7 1/2	36	13/16 x 1	36	25	3/8	1735	560	17
23'-5"	1	1	N/A	N/A				11	3/4	7 1/2	36	13/16 x 1	36	23	3/8	1903	585	18	
24'-5"		1	N/A		N/A				10	3/4	7 1/2	36	13/16 x 1	36	21	3/8	2070	610	20
25'-5"		1	N/A			N/A			9	3/4	7 1/2	36	13/16 x 1	36	19	3/8	2237	635	22
26'-5"	18	1	N/A			N/A			8	3/4	7 1/2	34	13/16 x 1	34	18	3/8	2405	661	23
27'-5"		1	N/A	_	-	N/A				3/4	7 1/2	31	13/16 x 1	31	17	3/8	2573	686	25
28'-5"	· · · · · · · · · · · · · · · · · · ·		N/A N/A					7	3/4	7 1/2	29	13/16 x 1	29	16	3/8	2743	711	27	





00.526.0841 FRACTIONAL = +/- 1/32 ADS@CORNELLIRON.COM ANGLES = +/- 1/2 DEG	DETA	AIL; HOOD SUPP	ORT UPDATE	02/19/20	MAN	2027
Image: Arr (1) Vy (1) 0 136 0 161 0 186 0 211 0 236 0 261 748 337 1072 363 1165 388 1262 413 1256 437 1341 461 1544 487 1722 560 1885 585 2056 610 2224 636 2391 661 2506 686 2729 712						
Wx (+) Wy (+) 0 136 0 161 0 186 0 231 0 236 0 231 0 236 0 231 1072 363 1165 388 1262 413 1236 437 1341 461 1544 487 1722 560 1889 585 2056 610 2224 636 2391 661 2506 686 2729 712 WITAINTOP, PA GOODYEAR, AZ W00.233.8366 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG W00.233.8366 0.000 = +/- 0.031 FRACTIONAL = +/- 1/2 DEG IDEAMALDY						
Wx (+) Wy (+) 0 136 0 161 0 186 0 231 0 236 0 231 0 236 0 231 1072 363 1165 388 1262 413 1236 437 1341 461 1544 487 1722 560 1889 585 2056 610 2224 636 2391 661 2506 686 2729 712 WITAINTOP, PA GOODYEAR, AZ W00.233.8366 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG W00.233.8366 0.000 = +/- 0.031 FRACTIONAL = +/- 1/2 DEG IDEAMALDY						
Image: Arr (1) Vy (1) 0 136 0 161 0 186 0 211 0 236 0 261 748 337 1072 363 1165 388 1262 413 1256 437 1341 461 1544 487 1722 560 1885 585 2056 610 2224 636 2391 661 2506 686 2729 712						
Wx (+) Wy (+) 0 136 0 161 0 186 0 231 0 236 0 231 0 236 0 231 1072 363 1165 388 1262 413 1236 437 1341 461 1544 487 1722 560 1889 585 2056 610 2224 636 2391 661 2506 686 2729 712 WITAINTOP, PA GOODYEAR, AZ W00.233.8366 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG W00.233.8366 0.000 = +/- 0.031 FRACTIONAL = +/- 1/2 DEG IDEAMALDY						
Wx (+) Wy (+) 0 136 0 161 0 186 0 231 0 236 0 231 0 236 0 231 1072 363 1165 388 1262 413 1236 437 1341 461 1544 487 1722 560 1889 585 2056 610 2224 636 2391 661 2506 686 2729 712 WITAINTOP, PA GOODYEAR, AZ W00.233.8366 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG W00.233.8366 0.000 = +/- 0.031 FRACTIONAL = +/- 1/2 DEG IDEAMALDY						
Wx (+) Wy (+) 0 136 0 161 0 186 0 231 0 236 0 231 0 236 0 231 1072 363 1165 388 1262 413 1236 437 1341 461 1544 487 1722 560 1889 585 2056 610 2224 636 2391 661 2506 686 2729 712 WITAINTOP, PA GOODYEAR, AZ W00.233.8366 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG W00.233.8366 0.000 = +/- 0.031 FRACTIONAL = +/- 1/2 DEG IDEAMALDY	_					
0 136 0 186 0 211 0 236 0 261 748 337 1072 363 1165 388 1262 413 1236 437 1341 461 1544 487 1722 560 1889 585 2056 610 2524 636 2391 661 2560 686 2729 712	Loads					
0 161 0 186 0 236 0 261 748 337 1072 363 1165 388 1262 413 1236 437 1341 461 1544 487 1722 560 1889 585 2056 610 2224 636 2391 661 2560 686 2729 712 ELMWOOD AVE 1901 S. LITCHFIELD RD JINTAINTOP, PA GOODYEAR, AZ 00.233.8366 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 BLET 00.233.8366 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 ELETE	/x (-)	Vy (-)				
0 186 0 211 0 236 0 261 748 337 1072 363 1165 388 1226 413 1236 437 1341 461 1544 487 1722 560 1889 585 2056 610 2224 636 2391 661 2560 686 2729 712 X11 Values VITAINTOP, PA GOODYEAR, AZ 00.233,8366 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG 00.233,8366 0.000 = +/- 1/2 ZE	0	136				
0 211 0 226 0 261 748 337 1072 363 1165 388 1226 413 1236 437 1341 461 1544 487 1743 512 1940 537 1722 560 1889 585 2056 610 2224 636 2391 661 2560 686 2729 712 T12 500 100.233,8366 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 ANGLES = +/- 1/2 ANGLES = +/- 1/32	0	161				
0 236 0 261 748 337 1072 363 1165 388 1262 413 1236 437 1341 461 1544 487 1743 512 1940 537 1722 560 1889 585 2056 610 2224 636 2391 661 2560 686 2729 712 The second	0	186				
0 261 748 337 1072 363 1165 388 1262 413 1236 437 1341 461 1544 487 1743 512 1940 537 1722 560 1889 585 2056 610 2224 636 2391 661 2560 686 2729 712 VITAINTOP, PA GOODYEAR, AZ 00.233.8366 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/32 ANGLES = +/- 1/2 DEG IDEAMALEX	_					
748 337 1072 363 1165 388 1226 413 1236 437 1341 461 1544 487 1722 560 1889 585 2056 610 2224 636 2391 661 2560 686 2729 712 State GOODYEAR, AZ Unless otherwise specified dimensions are in inches & 100.233.8366 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG						
1072 363 1165 388 1226 413 1236 437 1341 461 1544 487 1743 512 1940 537 1722 560 1889 585 2056 610 2224 636 2391 661 2560 686 2729 712 The second seco						
1165 388 1262 413 1236 437 1341 461 1544 487 1743 512 1940 537 1722 560 1889 585 2056 610 2224 636 2391 661 2500 686 2729 712 Second Edition Unless otherwise specified JNTAINTOP, PA GOODYEAR, AZ 00.233.8366 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG JDS@CORNELLIRON.COM IDBAMAL DX:						
1262 413 1236 437 1341 461 1544 487 1743 512 1940 537 1722 560 1889 585 2056 610 2224 636 2391 661 2560 686 2729 712 State State JNTAINTOP, PA GOODYEAR, AZ Unless otherwise specified dimensions are in inches 8 tolerances are: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG DDDAMAN DX: ISIZE: ISCALE ISENEET						
1341 461 1544 487 1743 512 1940 537 1722 560 1889 585 2056 610 2224 636 2391 661 2500 686 2729 712 Secondary Secondary JNTAINTOP, PA GOODYEAR, AZ 00.233.8366 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG		413				
1544 487 1743 512 1940 537 1722 560 1889 585 2056 610 2224 636 2391 661 2560 686 2729 712 Second Base 9712 Unless otherwise specified dimensions are in inches & JNTAINTOP, PA GOODYEAR, AZ 00.233.8366 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG	1236	437				
1743 512 1940 537 1722 560 1889 585 2056 610 2224 636 2391 661 2560 686 27729 712 Unless otherwise specified dimensions are in inches & tolerances are: 00.233.8366 0.000 = +/- 0.031 00.233.8366 0.000 = +/- 1/32 00.233.8366 0.000 = +/- 1/32 00.260.0841 MGLES = +/- 1/2 DEG	1341	461				
1940 537 1722 560 1889 585 2056 610 2224 636 2391 661 2560 686 2729 712 Unless otherwise specified JNTAINTOP, PA GOODYEAR, AZ 00.233.8366 0.000 = +/- 0.031 00.526.0841 FRACTIONAL = +/- 1/32 ADS@CORNELLIRON.COM IDDAMAL DX:						
1722 560 1889 585 2056 610 2224 636 2391 661 2560 686 2729 712 Unless otherwise specified dimensions are in inches & tolerances are: 00.233.8366 0.000 = +/- 0.031 00.526.0841 FRACTIONAL = +/- 1/32 ADS@CORNELLIRON.COM IDDAMAL DX:						
1889 585 2056 610 2224 636 2391 661 2560 686 2729 712 ELMWOOD AVE 1901 S. LITCHFIELD RD JNTAINTOP, PA GOODYEAR, AZ Unless otherwise specified dimensions are in inches & tolerances are: 00.233.8366 0.000 = +/- 0.031 00.526.0841 FRACTIONAL = +/- 1/32 ADS@CORNELLIRON.COM IDDAMAN DX:						
2056 610 2224 636 2391 661 2560 686 2729 712 ELMWOOD AVE 1901 S. LITCHFIELD RD JNTAINTOP, PA GOODYEAR, AZ 00.233.8366 0.000 = +/- 0.031 00.526.0841 FRACTIONAL = +/- 1/32 ADS@CORNELLIRON.COM IDDAMAN DX:						
2224 636 2391 661 2560 686 2729 712 ELMWOOD AVE 1901 S. LITCHFIELD RD Unless otherwise specified dimensions are in inches & tolerances are: 00.233.8366 0.000 = +/- 0.031 00.526.0841 FRACTIONAL = +/- 1/32 ADS@CORNELLIRON.COM DRAMM RX						
2391 661 2560 686 2729 712 ELMWOOD AVE 1901 S. LITCHFIELD RD Unless otherwise specified JNTAINTOP, PA GOODYEAR, AZ 000.233.8366 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG						
2729 712 ELMWOOD AVE 1901 S. LITCHFIELD RD JNTAINTOP, PA GOODYEAR, AZ Unless otherwise specified dimensions are in inches & tolerances are: 00.233.8366 0.000 = +/- 0.031 00.526.0841 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG		661				
ELMWOOD AVE 1901 S. LITCHFIELD RD UNTAINTOP, PA GOODYEAR, AZ io0.233.8366 00.526.0841 ADS@CORNELLIRON.COM UNITE ISSUE IN THE INFORMATION IN THE ISSUE INTO INTO INTO INTO INTO INTO INTO INTO	2560	686				
UNTAINTOP, PA GOODYEAR, AZ dimensions are in inches & tolerances are: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG	2729	712				
UNTAINTOP, PA GOODYEAR, AZ dimensions are in inches & tolerances are: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ADS@CORNELLIRON.COM						
000.233.8366 00.526.0841 ADS@CORNELLIRON.COM DRAWN RY: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG				dimensio	ns are in i	nches &
00.526.0841 FRACTIONAL = +/- 1/32 ADS@CORNELLIRON.COM ANGLES = +/- 1/2 DEG				tole	erances ar	e.
DATION DRAWN BY: SIZE: SCALE: SHEET	00.52	6.0841	СОМ	FRACT	IONAL = +	+/- 1/32
RATION			DRAWN BY:		10.00 A	1
			TJE	B	AS NOTED	25/58
EEL DOOR DWG NO:	EEL	DOOK	DWG NO:			
MPACT RATED ES-16-65-CIW	MP/	ACT RATE	D ES	5-16-65	-CIW	

REVISION	DATE	BY	E.C.O.
	10/20/14	TJE	1615
DLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

L'TR	
*	ORIGINAL ISSUE
А	REMOVED SPECIFIC EN
В	REVISED BOTTOM BAR

							CP00	01/CP0651 -	- 0.0236/0	.0220 Minim	um Thickn	ess Galvania	ed or Stain	nless Steel -	60 PSF								
					-						Concret	e Minimum	3,000 PSI	Compressive	e Strength (Anchors are	the same	diameter as	assembly fa	steners)			
DBG	Windlock			Guide	Windlock	Assembly	Assembly		Hilti Kv	vik Bolt 3			Simpson	Wedge All			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 Dis
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	10	2	3	5 3/4
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	8	2	3	5 3/4
7'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	1		I/A		9	2 5/8	3 15/16	5 3/4	9	3	4 1/2	5 3/4	7	2	3	5 3/4
8'-5"	N/A	N/A	N/A	344*	N/A	3/8	24		N	I/A		8	2 5/8	3 15/16	5 3/4	8	3	4 1/2	5 3/4	6	2	3	5 3/4
9'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	1	h	I/A	-	7	2 5/8	3 15/16	5 3/4	7	3	4 1/2	5 3/4	5	2	3	5 3/4
14'-5"	1 3/8	0.531	CP0630 & CP0647	445	8	1/2	13			I/A		8	4 1/2	6 3/4	6 13/16	6	4 1/8	6 3/16	6 13/16	7	4	6	6 13/16
15'-5"	1 7/16	0.594	CP0630 & CP0647	446	8	5/8	18		N/A			10	4 1/2	6 3/4	6 7/8	-	N	N/A		9	5	7 1/2	6 7/8
16'-5"	1 1/2	0.656	CP0630 & CP0647	546	7	5/8	16	1	N	I/A		9	4 1/2	6 3/4	6 7/8		N	N/A		8	5	7 1/2	6 7/8
17'-5"	1 5/8	0.781	CP0630 & CP0647	546	7	5/8	15	-	N	I/A		8	4 1/2	6 3/4	6 7/8		N	N/A	-	7	5	7 1/2	6 7/8
18'-5"	1 3/4	0.906	CP0630 & CP0647	546	7	5/8	15		N	I/A	5	8	4 1/2	6 3/4	6 7/8	N/A					N	I/A	-
19'-5"	1 7/8	1.031	CP0630 & CP0647	546	7	5/8	14		N	I/A		7	4 1/2	6 3/4	6 7/8	N/A			-		N	I/A	
20'-5"	2 1/8	1.281	CP0630 & CP0647	548	7	3/4	18		N	I/A		10	5	7 1/2	7 1/2	11	6 5/8	9 15/16	7 1/2	1200	N	I/A	-
21'-5"	2 1/4	1.406	CP0630 & CP0647	548	7	3/4	18		N/A			10	5	7 1/2	7 1/2	11	6 5/8	9 15/16	7 1/2		N	I/A	
22'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	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	CP0630 & CP0647	548	6	3/4	17	N/A			9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2	N/A		1/A	-	
24'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	16	N/A.			8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2	N/A		-		
25'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	15	N/A			7	5	7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2	N/A				

						Filled CML	J	_			1	Steel (Wa	all anchors are	the same of fasteners)	liameter as	assembly		Superimpo	sheel has	
DBG		Hilti Kv	vik Bolt 3			Simpson S	trong-Bolt 2	2	т	hrough Be	olt	W	elded	Through Bolt	Тар	ped		Superimpt	320 L0803	
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"	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
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
7'-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	223
8'-5"	9	3/4	4 3/8	5 3/4		N	I/A		8	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	255	0	253
9'-5"	8	3/4	4 3/8	5 3/4		N	I/A		7	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	285	0	283
14'-5"		1	N/A			N	I/A	1	8	1/2	6 13/16	16	9/16 x 3/4	16	9	1/4	1486	435	1454	436
15'-5"		7	A/A			N	I/A		10	5/8	6 7/8	22	11/16 x 7/8	22	12	5/16	1691	465	1661	466
16'-5"		1	N/A		1	N	I/A		9	5/8	6 7/8	20	11/16 x 7/8	20	11	5/16	1880	495	1853	496
17'-5"		P	N/A			N	1/A		8	5/8	6 7/8	19	11/16 x 7/8	19	10	5/16	1948	525	1924	526
18'-5"		1	N/A			N	N/A		8	5/8	6 7/8	18	11/16 x 7/8	18	10	5/16	2024	554	2003	556
19'-5"		1	N/A			5	N/A		7	5/8	6 7/8	17	11/16 x 7/8	17	9	5/16	2106	584	2087	585
20'-5"		1	N/A			N	4/A		10	3/4	7 1/2	36	13/16 x 1	36	21	3/8	2065	614	2043	614
21'-5"	6.	. 1	N/A		1	A	N/A		10	3/4	7 1/2	36	13/16 x 1	36	20	3/8	2160	643	2140	643
22'-5"		1	N/A		1	P	N/A		9	3/4	7 1/2	36	13/16 x 1	36	20	3/8	2149	672	2133	672
23'-5"		1	N/A			P	N/A		9	3/4	7 1/2	34	13/16 x 1	34	18	3/8	2344	702	2329	703
24'-5"	N/A. N/A					8	3/4	/7 1/2	32	13/16 x 1	32	17	3/8	2540	732	2524	733			
25'-5"	N/A N/A						7	3/4	7 1/2	29	13/16 x 1	29	16	3/8	2736	763	2721	763		





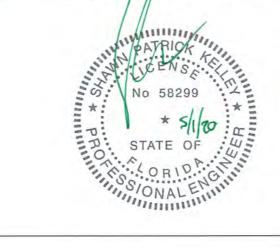
ELMWOOD AVE 1901 S.I JNTAINTOP, PA GOO	LITCHFIELD RD DYEAR, AZ	dimens	otherwise specified, ions are in inches & plerances are:			
00.233.8366 00.526.0841 DS@CORNELLIRON.CO	ом	FRAC	000 = +/- 0.031 TIONAL = +/- 1/32 LES = +/- 1/2 DEG			
RATION	DRAWN BY: TJE	SIZE:	SCALE: SHEET: AS NOTED 26/58			
EEL DOOR	ES-16-65-CIW					

DATE	BY	E.C.O.
10/20/14	TJE	1615
12/13/17	CJR	1663
02/19/20	MAN	2027
	10/20/14 12/13/17	10/20/14 TJE 12/13/17 CJR

L'TR	
*	ORIGINAL ISSUE
Α	REMOVED SPECIFIC EN
В	REVISED BOTTOM BAR

			1	1	-	-				0220 Minim	17.111.19.20.20/112												
		1.				1					Concret	e Minimum	3,000 PSI (Compressive	e Strength (Anchors are	the same of	liameter as	assembly fa	steners)			
DBG	Windlock	1.1.1		Guide	Windlock	Assembly	Assembly	1	Hilti Kw	rik Bolt 3			Simpson	Wedge All			Red Hea	d Tru-Bolt				Vedge-Bolt	
Up To	Flat Location	Slip	Windlock	Assembly	Weld Pitch	Fastener Diameter	Fastener Spacing	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist
5'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	16	2 3/8	4	5 3/4	11	2 5/8	3 15/16	5 3/4	12	3	4 1/2	5 3/4	9	2	3	5 3/4
6'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	6	2 3/8	5	5 3/4	9	2 5/8	3 15/16	5 3/4	10	3	4 1/2	5 3/4	7	2	3	5 3/4
7'-5"	N/A	N/A	N/A	344*	N/A	3/8	24		N	I/A		8	2 5/8	3 15/16	5 3/4	8	3	4 1/2	5 3/4	6	2	3	5 3/4
8'-5"	N/A	N/A	N/A	344*	N/A	3/8	24		N	I/A		7	2 5/8	3 15/16	5 3/4	7	3	4 1/2	5 3/4	6	2	3	5 3/4
14'-5"	1 5/16	0.469	CP0630 & CP0647	446	7	5/8	17		N	I/A		9	4 1/2	6 3/4	6 7/8		N	/A		8	5	7 1/2	6 7/8
15'-5"	1 3/8	0.531	CP0630 & CP0647	546	7	5/8	15		N	I/A		8	4 1/2	6 3/4	6 7/8		N	/A	-	7	5	7 1/2	6 7/8
16'-5"	1 1/2	0.656	CP0630 & CP0647	546	7	5/8	15		N	1/A		8	4 1/2	6 3/4	6 7/8		N	/A			N	I/A	
17'-5"	1 1/2	0.656	CP0630 & CP0647	548	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	
18'-5"	1 5/8	0.781	CP0630 & CP0647	548	6	3/4	18		N	/A		9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2		N	I/A	-
19'-5"	1 3/4	0.906	CP0630 & CP0647	548	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	
20'-5"	1 7/8	1.031	CP0630 & CP0647	548	6	3/4	17		N/A			8	5	7 1/2	7 1/2	8	6 5/8	9 15/16	7 1/2		N	I/A	
21'-5"	2	1.156	CP0630 & CP0647	648	6	3/4	16		N/A			8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2		N	I/A	
22'-5"	2 1/4	1.406	CP0630 & CP0647	648	6	3/4	16	N/A			8	5	7 1/2	7 1/2	2 7 6 5/8 9 15/16 7 1/2 N/A								
23'-5"	2 3/8	1.531	CP0630 & CP0647	648	6	3/4	15	N/A			8	5	7 1/2	7 1/2	6	6 6 5/8 9 15/16 7 1/2 N/A							
24'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	15		N/A			7	5	7 1/2	7 1/2	5 6 5/8 9 15/16 7 1/2 N/A							

						CP0001	/CP0651 - 0	0.0236/0.02	20 Minimum	Thicknes	s Galvanized	d or Stainles	ss Steel - 65 PS	F, Cont.						
		_				Filled CMU	J				1.1.1	Steel (Wa	all anchors are	the same d asteners)	iameter as	assembly		Superimpo	sheal base	
DBG		Hilti K	wik Bolt 3			Simpson S	trong-Bolt 2	2	T	hrough Bo	blt	w	elded	Through Bolt	Тар	oped		Superimpt	5500 10803	_
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"	8	3/4	3 1/4	5 3/4	10	3/4	5 1/4	5 3/4	11	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	179	0	177
6'-5"	12	3/4	4 3/8	5 3/4	9	3/4	5 1/4	5 3/4	9	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	212	0	209
7'-5"	10	3/4	4 3/8	5 3/4	8	3/4	5 1/4	5 3/4	8	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	244	0	242
8'-5"	9	3/4	4 3/8	5 3/4		N	I/A		7	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	277	0	274
14'-5"			N/A			N	I/A		9	5/8	6 7/8	20	11/16 x 7/8	20	11	5/16	1844	472	1806	473
15'-5"		4	N/A			N	I/A		8	5/8	6 7/8	18	11/16 x 7/8	18	10	5/16	2044	505	2010	506
16'-5"		1	N/A	-		N	I/A		8	5/8	6 7/8	18	11/16 x 7/8	18	9	5/16	2090	536	2060	538
17'-5"		1	N/A			N	I/A		9	3/4	7 1/2	33	13/16 x 1	33	18	3/8	2423	571	2383	571
18'-5"			N/A			N	I/A		9	3/4	7 1/2	33	13/16 x 1	33	18	3/8	2463	603	2428	603
19'-5"			N/A			N	I/A	-	8	3/4	7 1/2	32	13/16 x 1	32	17	3/8	2521	635	2489	635
20'-5"		- 13	N/A			N	N/A		8	3/4	7 1/2	31	13/16 x 1	31	17	3/8	2588	667	2559	667
21'-5"		1	N/A			N	N/A		8	3/4	7 1/2	30	13/16 x 1	30	16	3/8	2662	699	2636	699
22'-5"			N/A	-		N	N/A		8	3/4	7 1/2	31	13/16 x 1	31	17	3/8	2595	730	2574	730
23'-5"	-		N/A		1	N/A			8	3/4	7 1/2	30	13/16 x 1	30	16	3/8	2685	762	2666	762
24'-5"			N/A		N/A				7	3 4	7 1/2	29	13/16 x 1	29	16	3/8	2775	794	2758	794





ELMWOOD AVE 1901 S. JNTAINTOP, PA GOO	LITCHFIELD RD DYEAR, AZ	dimensi	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 27/58
EEL DOOR	DWG NO: ES	-16-6	5-CIW

REVISION	DATE	BY	E.C.O.
	10/20/14	TJE	1615
DLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

L'TR	REVISION	DATE	BY	E.C.O
*	ORIGINAL ISSUE	10/20/14	TJE	1615
Α	REMOVED SPECIFIC ENDLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
в	REVISED BOTTOM BAR DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

	19 - C. A.						CP000	1/CP0651 -	0.0236/0.0	0220 Minim	um Thickne	ss Galvaniz	ed or Stair	less Steel -	70 PSF								
			1					_			Concret	e Minimum	3,000 PSI	Compressive	e Strength (Anchors are	the same of	diameter as	assembly fa	steners)			
DBG	Windlock	5-11	1127 3 3 3	Guide	Windlock	Assembly	Assembly		Hilti Kw	ik Bolt 3		1	Simpson	Wedge All			Red Hear	d Tru-Bolt				Vedge-Bolt	
Up To	Flat Location	Slip	Windlock	Assembly	Weld Pitch	Fastener Diameter	Fastener Spacing	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dis
5'-5"	N/A	N/A	N/A	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	8	2	3	5 3/4
6'-5"	N/A	N/A	N/A	344*	N/A	3/8	24		N	/A	1	9	2 5/8	3 15/16	5 3/4	9	3	4 1/2	5 3/4	7	2	3	5 3/4
7'-5"	N/A	N/A	N/A	344*	N/A	3/8	24		N	/A	The second second	8	2 5/8	3 15/16	5 3/4	8	3	4 1/2	5 3/4	6	2	3	5 3/4
8'-5"	N/A	N/A	N/A	344*	N/A	3/8	24		N	/A		7	2 5/8	3 15/16	5 3/4	7	3	4 1/2	5 3/4	5	2	3	5 3/4
15'-5"	1 5/16	0.469	CP0630 & CP0647	548	6	3/4	18					9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2		N	I/A	
16'-5"	1 3/8	0.531	CP0630 & CP0647	548	6	3/4	18	N/A					5	7 1/2	7 1/2	9	6 5/8	9 15/16	7 1/2		N	I/A	
17'-5"	1 7/16	0.594	CP0630 & CP0647	548	6	3/4	17		N	/A		8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2		N	I/A	-

	1					Filled CMU	1					Steel (Wa	all anchors are	the same of fasteners)	liameter as	assembly		Suparimpo	sed Loads	
DBG		Hilti Kv	wik Bolt 3			Simpson S	trong-Bolt 2	2	TÌ	hrough Bo	olt	We	elded	Through Bolt	Тар	ped		Superimpt	Sed Lobus	
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"	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
6'-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	228	0	225
7'-5"	9	3/4	4 3/8	5 3/4		N	I/A		8	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	263	0	260
8'-5"	8	3/4	4 3/8	5 3/4		N	I/A		7	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	298	0	295
15'-5"		1	N/A						9	3/4	7 1/2	33	13/16 x 1	33	18	3/8	2469	546	2416	546
16'-5"	N/A N/A							8	3/4	7 1/2	31	13/16 x 1	31	16	3/8	2648	581	2599	582	
17'-5"	N/A N/A					I/A		8	3/4	7 1/2	29	13/16 x 1	29	15	3/8	2821	616	2775	617	





L'TR	
*	ORIGINAL ISSUE
Α	REMOVED SPECIFIC EN
В	REVISED BOTTOM BAR

-		1				1	Croo	01/070031	0.0230/0.	0220 Minim						Anchors are	the same d	iameter as	assembly fa	steners)							
	Windlock				Windlock	Assembly	Assembly		Hilti Kw	ik Bolt 3	concret			Wedge All	Strengen (anchors are	Red Head		usseniory ru	Stenets,	Powers W	edge-Bolt					
p To	Flat	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.	Edge Dist				
'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	36	2 5/8	3 15/16	5 3/4	36	3	4 1/2	5 3/4	30	2	3	5 3/4				
5'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	32	2 5/8	3 15/16	5 3/4	33	3	4 1/2	5 3/4	25	2	3	5 3/4				
"-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	28	2 5/8	3 15/16	5 3/4	28	3	4 1/2	5 3/4	22	2	3	5 3/4				
3'-5")'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	24	2 5/8	3 15/16 3 15/16	5 3/4	25	3	4 1/2 4 1/2	5 3/4 5 3/4	19 17	2	3	5 3/4				
-5	N/A N/A	N/A N/A	N/A N/A	344* 344*	N/A N/A	3/8	24	36	2 3/8	4	5 3/4 5 3/4	22	2 5/8	3 15/16	5 3/4 5 3/4	22	3	4 1/2	5 3/4	15	2	3	5 3/4				
1'-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	18	3	4 1/2	5 3/4	14	2	3	5 3/4				
2'-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	17	3	4 1/2	5 3/4	13	2	3	5 3/4				
3'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	15	2 5/8	3 15/16	5 3/4	16	3	4 1/2	5 3/4	12	2	3	5 3/4				
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	11	2	3	5 3/4				
5'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	13	2 5/8	3 15/16	5 3/4	13	3	4 1/2	5 3/4	10	2	3	5 3/4				
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	10	2	3	5 3/4				
"-5"	N/A	N/A	N/A	344*	N/A	3/8	24	19	2 3/8	4	5 3/4	12	2 5/8	3 15/16	5 3/4	12	3	4 1/2	5 3/4	9	2	3	5 3/4 5 3/4				
3'-5")'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	36	2 3/8	4	5 3/4	17	2 5/8	3 15/16 3 15/16	5 3/4 5 3/4	17	3	4 1/2 4 1/2	5 3/4 5 3/4	11	2	3	5 3/4				
)'-5"	1 1/2 1 1/2	0.719	CP0629 CP0629	344 344	12	3/8	18 17	16		4 /A	5 3/4	9	2 5/8	3 15/16	5 3/4	9	3	4 1/2	5 3/4	6	2	3	5 3/4				
-5"	1 1/2	0.719	CP0629	344	12	3/8	14			/A	-	8	2 5/8	3 15/16	5 3/4	8	3	4 1/2	5 3/4	5	2	3	5 3/4				
2'-5"	1 1/2	0.719	CP0629	344	11	3/8	12			/A		6	2 5/8	3 15/16	5 3/4	7	3	4 1/2	5 3/4	5	2 1/2	3 3/4	5 3/4				
3'-5"	2	1.219	CP0629	445	12	1/2	18	36	3 5/8	6	6 13/16	18	4 1/2	6 3/4	6 13/16		4 1/8	6 3/16	6 13/16	8	2 1/2	3 3/4	6 13/16				
4'-5"	2	1.219	CP0629	445	12	1/2	18	36	3 5/8	6	6 13/16	16	4 1/2	6 3/4	6 13/16	13	4 1/8	6 3/16	6 13/16	7	2 1/2	3 3/4	6 13/16				
5'-5"	2	1.219	CP0629	445	11	1/2	18	36	3 5/8	6	6 13/16	14	4 1/2	6 3/4	6 13/16	11	4 1/8	6 3/16	6 13/16	6	2 1/2	3 3/4	6 13/16				
6'-5"	2	1.219	CP0629	445	10	1/2	18	28	3 5/8	6	6 13/16	13	4 1/2	6 3/4	6 13/16	10	4 1/8	6 3/16	6 13/16	6	2 1/2	3 3/4	6 13/16				
7'-5"	2	1.156	CP0630	445	10	1/2	18	36	3 5/8	8	6 13/16	11	4 1/2	6 3/4	6 13/16	9	4 1/8	6 3/16		7	3 1/2	5 1/4	6 13/16				
1-5"	2	1.156	CP0630	445	9	1/2	16	22	3 5/8	8	6 13/16	10	4 1/2	6 3/4	6 13/16	8	4 1/8	6 3/16		7	3 1/2	5 1/4 5 1/4	6 13/16				
9'-5"	2	1.156	CP0630	445	9	1/2	15			/A /A		10	4 1/2	6 3/4 6 3/4	6 13/16 6 13/16	8	4 1/8 4 1/8	6 3/16 6 3/16		6	3 1/2 3 1/2	5 1/4	6 13/16 6 13/16				
0'-5" 1'-5"	2	1.156	CP0630 CP0630	445 445	9	1/2	14	-		/A		8	4 1/2	6 3/4	6 13/16	7	4 1/8		6 13/16	7	4	6	6 13/16				
2'-5"	2	1.156	CP0630	445	8	5/8	18	-		/A		11	4 1/2	6 3/4	6 7/8			/A	0 20/20	10	5	7 1/2	6 7/8				
3'-5"	2	1.156	CP0630	446	8	5/8	18			/A		10	4 1/2	6 3/4	6 7/8		N	/A		9	5	7 1/2	6 7/8				
4'-5"	2	1.156	CP0630	446	8	5/8	18		N	/A	-	10	4 1/2	6 3/4	6 7/8		N	/A		8	5	7 1/2	6 7/8				
5'-5"	2	1.156	CP0630 & CP0647	446	7	5/8	17	5	N	/A		9	4 1/2	6 3/4	6 7/8		N	/A		8	5	7 1/2	6 7/8				
6'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	17			/A		9	4 1/2	6 3/4	6 7/8			/A		8	5	7 1/2	6 7/8				
7'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	16			/A		8	4 1/2	6 3/4	6 7/8			/A	_	7	5	7 1/2	6 7/8				
8'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	15	-	T	/A	1 7 4 12	8	4 1/2	6 3/4	6 7/8	12	1	A	1 2 1/2	0	1	I/A	7 1/2				
9'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18	28	5 5/8	8	7 1/2	12	5	7 1/2	7 1/2	13	6 5/8 6 5/8	9 15/16 9 15/16	7 1/2	9	5	7 1/2	/ 1/2				
0'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18	22	5 5/8	8	7 1/2	11	5	7 1/2	7 1/2	13	0 5/8	9 15/16	/ 1/2		h	VA					
								""" * PHO	S S S	VOEA NO 58: * C	CK 299 (100 OF	EA * AT		C	O	RI	nnovative	e door so	Iutions."	MOUN [*] P: 800.		0P, PA		ITCHFIELD RD DYEAR, AZ	dimens tr	otherwise sp ions are in in plerances are 000 = +/- 0.03 TIONAL = +/	iches e: 31
								in.	KSS/	ORI	ENG	in the second second	-						NFIC		COR ATIC			M DRAWN BY: TJE DWG NO:		LES = +/- 1/2 SCALE: S AS NOTED	SHEE
																							TED	ES	-16-6	5-CIW	

.





REVISION	DATE	BY	E.C.O.
	10/20/14	TJE	1615
DLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

L'TR	
*	ORIGINAL ISSUE
A	REMOVED SPECIFIC EN
В	REVISED BOTTOM BAR
L	

						Filled CM	U									C	racked Conc	rete Minin	num 3,000 P	SI Compre	ssive Streng	th					Steel (W	all anchors are	the same of asteners)	liameter as	assembly		Superimpo	osed Loads	c
DBG		Hilti Kw	ik Bolt 3		1	Simpson	Strong-Bolt	2	1	Through Bo	lt		Hi	ti Kwik Bolt	rz			Simp	son Strong-	Bolt 2			ITW	Redhead Tr	ubolt+		w	/elded	Through Bolt	Тар	oped		Supermpo	300 10803	,
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.	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 (-
5'-5"	9	3/8	1 5/8	5 3/4	15	3/8	2 5/8	5 3/4	36	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	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	55	0	55
6'-5"	18	3/8	2 1/2	5 3/4	12	3/8	2 5/8	5 3/4	32	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	19	3/8	2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	65	0	65
/-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	7
'-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	1.0
-5"	12	3/8	2 1/2	5 3/4	8	3/8	2 5/8	5 3/4	22	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	
'-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	
'-5"	10	3/8	2 1/2	5 3/4	8	1/2	3 1/2	5 3/4	18	3/8	5 3/4	7 1/8	3/8	2 5/16	5	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	10 5/16	3/8	2	5	5 3/4	36	7/16 x 5/8	36	36	3/16	0	115	0	
'-5"	9	3/8	2 1/2	5 3/4	8	1/2	3 1/2	5 3/4	16	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	125	0	
'-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	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	135	0	-
l'-5"	8	3/8	2 1/2	5 3/4	13	3/4	5 1/4	5 3/4	14	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	22 3/4	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	145	0	-
5'-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	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	12 5/8	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	155	0	
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	22 3/4	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	28 1/2	1/2	3 3/4	8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	165	0	-
'-5"	9	3/4	3 1/4	5 3/4	11	3/4	5 1/4	5 3/4	12	3/8	5 3/4	36	1/2	3 5/8	8	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	19	1/2	3 3/4	8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	175	0	+
'-5"	10	3/8	2 1/2	5 3/4	8	1/2	3 1/2	5 3/4	17	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	1/2	2 1/2	4	5 3/4	35	7/16 x 5/8	35	23	3/16	296	185	282	
'-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	28 1/2	1/2	3 5/8	6	5 3/4	19	1/2	2 3/4	4 1/2	5 3/4	36	1/2	3 3/4	8	5 3/4	24	7/16 x 5/8	24	16	3/16	438	195	425	+
)'-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	19	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	19	7/16 x 5/8	19	12	3/16	573	205	561	+
l'-5"	9	3/4	4 3/8	5 3/4		1	N/A		8	3/8	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	15	7/16 x 5/8	15	10	3/16	702	215	691	-
2'-5"	8	3/4	4 3/8	5 3/4			N/A		6	3/8	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	1	-	N/A			13	7/16 x 5/8	13	8	3/16	827	225	816	
3'-5"	11	3/4	4 3/8	6 13/16	8	3/4	5 1/4	6 13/16	18	1/2	6 13/16	36	3/4	5 9/16	8	6 13/16	28 1/2	3/4	4 1/8	6 3/4	6 13/16	36	3/4	4 3/8	7	6 13/16	-	9/16 x 3/4	36	21	1/4	631	234	624	-
'-5"	10	3/4	4 3/8	6 13/16			N/A		16	1/2	6 13/16	36	3/4	5 9/16	8	6 13/16	36	3/4	5 3/4	8 3/4	6 13/16	36	3/4	4 3/8	8	6 13/16	34	9/16 x 3/4	34	18	1/4	730	244	723	-
5'-5"	8	3/4	4 3/8	6 13/16			N/A		14	1/2	6 13/16	36	3/4	5 9/16	8	6 13/16	36	3/4	5 3/4	8 3/4	6 13/16	19	3/4	4 3/8	8	6 13/16	30	9/16 x 3/4	30	16	1/4	827	254	820	-
5'-5"	8	3/4	4 3/8	6 13/16		1	N/A		13	1/2	6 13/16	28 1/2	3/4	5 9/16	8	6 13/16	36	3/4	5 3/4	8 3/4	6 13/16			N/A			27	9/16 x 3/4	27	15	1/4	921	264	915	+
7'-5"		N/	/A	-	1	-	N/A		11	1/2	6 13/16		_	N/A					N/A					N/A			23	9/16 x 3/4	23	13	1/4	1051	275	1044	_
8'-5"		N	/A				N/A		10	1/2	6 13/16			N/A					N/A					N/A			21	9/16 x 3/4	21	12	1/4	1145	285	1138	-
9'-5"		N,	/A				N/A		10	1/2	6 13/16			N/A					N/A					N/A			20	9/16 x 3/4		11	1/4	1238	295	1232	-
0'-5"			/A				N/A		9	1/2	6 13/16	1		N/A			-		N/A			1		N/A			18	9/16 x 3/4	18	10	1/4	1331	305	1325	-
1'-5"		- N/	2.1		1		N/A		8	1/2	6 13/16			N/A					N/A					N/A			17	9/16 x 3/4	17	9	1/4	1424	315	1417	-
2'-5"		N,	/A				N/A		11	5/8	6 7/8			N/A					N/A			10000		N/A			24	11/16 x 7/8		13	5/16	1516	325	1510	_
3'-5"		N,	/A				N/A	_	10	5/8	6 7/8			N/A			-		N/A			10		N/A			23	11/16 x 7/8	23	12	5/16	1609	335	1602	-
4'-5"		N,	/A				N/A		10	5/8	6 7/8			N/A					N/A					N/A			22	11/16 x 7/8	-	12	5/16	1702	345	1695	-
5'-5"			/A				N/A		9	5/8	6 7/8			N/A					N/A					N/A			20	11/16 x 7/8		11	5/16	1795	355	1788	-
6'-5"	_		/A				N/A		9	5/8	6 7/8			N/A					N/A	_				N/A			19	11/16 x 7/8		11	5/16	1888	366	1881	-
7'-5"		N	/A				N/A		8	5/8	6 7/8			N/A				-	N/A					N/A			18	11/16 x 7/8	18	10	5/16	1982	376	1975	-
8'-5"		N	/A		-	1	N/A		8	5/8	6 7/8			N/A					N/A			-		N/A			18	11/16 x 7/8	18	10	5/16		386	2069	
39'-5"	_	N	/A			-	N/A		12	3/4	7 1/2			N/A					N/A	_				N/A			36	13/16 x 1	36	25	3/8	1786	395	1780	_
40'-5"	1	N	/A				N/A		11	3/4	7 1/2			N/A			1		N/A			1		N/A			36	13/16 x 1	36	24	3/8	1866	405	1860	





REVISION	DATE	BY	E.C.O.
	10/20/14	TJE	1615
DLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

L'TR	, I I I I I I I I I I I I I I I I I I I
*	ORIGINAL ISSUE
А	REMOVED SPECIFIC END

B REVISED BOTTOM BAR D

		- 1			-		I	1/0-0051	0.0290/0.0	220 Minin		ness Galvani				Anchors are	the same d	liameter ac	accembly fa	actoners)						
	Windlock				Windlock	Ascembly	Assembly	1.	Hilti Kwi	k Bolt 3	Concre			Wedge All	e ou engui (d Tru-Bolt	assembly la	(asceners)	Powers W	/edge-Bolt	_			
DBG Up To	Flat	Slip	Windlock	Guide Assembly	Weld Pitch	Fastener Diameter	Fastener	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.		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	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	25	2 5/8	3 15/16	5 3/4	26	3	4 1/2	5 3/4	20	2	3	5 3/4			
6'-5" 7'-5"	N/A	N/A N/A	N/A N/A	344* 344*	N/A N/A	3/8	24	36	2 3/8	4	5 3/4 5 3/4	21	2 5/8	3 15/16 3 15/16	5 3/4 5 3/4	22	3	4 1/2	5 3/4 5 3/4	17	2	3	5 3/4 5 3/4			
8'-5"	N/A N/A	N/A	N/A	344*	N/A N/A	3/8	24	36 36	2 3/8	4	5 3/4	16	2 5/8	3 15/16	5 3/4	19	3	4 1/2	5 3/4	14	2	3	5 3/4	1		
9'-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	15	3	4 1/2	5 3/4	11	2	3	5 3/4			
0'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	13	2 5/8	3 15/16	5 3/4	13	3	4 1/2	5 3/4	10	2	3	5 3/4			
1'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	22	2 3/8	4	5 3/4	12	2 5/8	3 15/16	5 3/4	12	3	4 1/2	5 3/4	9	2	3	5 3/4	10		
2'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	9	2 3/8	4	5 3/4	11	2 5/8	3 15/16	5 3/4	11	3	4 1/2	5 3/4	8	2	3	5 3/4			
3'-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 5 3/4	10	3	4 1/2	5 3/4 5 3/4	8	2 2 1/2	3 3/4	5 3/4	1.		
4'-5" 5'-5"	1 3/8	0.594 0.719	CP0629 CP0629	344 344	12	3/8	18	14 36	2 3/8 2 3/8	5	5 3/4 5 3/4	10	2 5/8	3 15/16 3 15/16	5 3/4	10	3	4 1/2	5 3/4	11	2 1/2	3 3/4	5 3/4			
6'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	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	8	2	3	5 3/4			
7'-5"	1 1/2	0.719	CP0629	344	12	3/8	15		N/			9	2 5/8	3 15/16	5 3/4	9	3	4 1/2	5 3/4	5	2	3	5 3/4			
8'-5"	1 1/2	0.719	CP0629	344	11	3/8	12		N/	A		7	2 5/8	3 15/16	5 3/4	7	3	4 1/2	5 3/4	4	2	3	5 3/4	-		
9'-5"	2	1.219	CP0629	445	12	1/2	18	36	3 5/8	6	6 13/16	19	4 1/2	6 3/4	6 13/16	15	4 1/8	6 3/16	6 13/16		2 1/2	3 3/4	6 13/16	1.00		
0'-5"	2	1.219	CP0629	445	12	1/2	18	36	3 5/8	6	6 13/16		4 1/2	6 3/4	6 13/16	12	4 1/8	6 3/16	6 13/16		2 1/2	3 3/4	6 13/16			
1'-5"	2	1.219	CP0629	445	11	1/2	18	28	3 5/8	6	6 13/16		4 1/2	6 3/4	6 13/16	10	4 1/8	6 3/16	6 13/16		2 1/2	3 3/4	6 13/16			
2'-5"	2	1.156	CP0630	445	10	1/2	17	28	3 5/8 N/	8	6 13/16	11	4 1/2	6 3/4 6 3/4	6 13/16 6 13/16	9	4 1/8	6 3/16 6 3/16	6 13/16 6 13/16	-	3 1/2	5 1/4 5 1/4	6 13/16 6 13/16			
3'-5" 4'-5"	2	1.156	CP0630 CP0630	445 445	9	1/2	15	-	N/			9	4 1/2	6 3/4	6 13/16	7	4 1/8	6 3/16	6 13/16	-	3 1/2	5 1/4	6 13/16			
5'-5"	2	1.156	CP0630	446	8	5/8	18		N/			11	4 1/2	6 3/4	6 7/8	-		I/A		7	4	6	6 7/8			
6'-5"	2	1.156	CP0630	446	8	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			
7'-5"	2	1.156	CP0630	446	7	5/8	17		N/			9	4 1/2	6 3/4	6 7/8			1/A		8	5	7 1/2	6 7/8			
8'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	16		N/		-	9	4 1/2	6 3/4	6 7/8			1/A 1/A		8	5	7 1/2	6 7/8 6 7/8			
9'-5" 0'-5"	2	1.156	CP0630 & CP0647 CP0630 & CP0647	546 546	7	5/8	15		N/			8	4 1/2	6 3/4 6 3/4	6 7/8 6 7/8	-		1/A 1/A		/	-	1/A	0 //0			
1'-5"	2 1/2	1.156	CP0630 & CP0647	548	7	3/8	14	22	5 5/8	8	7 1/2	11	5	7 1/2	7 1/2	13	6 5/8	9 15/16	7 1/2			I/A				
2'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18		N/	/A		11	5	7 1/2	7 1/2	12	6 5/8	9 15/16			N	I/A		1		
3'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18	1	N/	/A	~	10	5	7 1/2	7 1/2	11	6 5/8	9 15/16	7 1/2			I/A				
4'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18		N/			10	5	7 1/2	7 1/2	11	6 5/8	9 15/16				1/A				
5'-5"	2 1/2	1.656	CP0630 & CP0647	548	6	3/4	18		N/		-	9	5	7 1/2	7 1/2	10	6 5/8	9 15/16				N/A N/A		-		
6'-5" 7'-5"	2 1/2	1.656	CP0630 & CP0647 CP0630 & CP0647	548 548	6	3/4	18		N/			9	5	7 1/2	7 1/2	10	6 5/8 6 5/8	9 15/16 9 15/16	-	-		N/A	-	S		
7'-5" 8'-5"	2 1/2 2 1/2	1.656	CP0630 & CP0647 CP0630 & CP0647	548	6	3/4	1/		N/			8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	-			V/A		1		
9'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	16		N		_	8	5	7 1/2	7 1/2	6	6 5/8	9 15/16				N/A	-			
0'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	15		N,	/A /		7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2		ħ	N/A]		
									HINP.	ATRIC	KKE	11111														
								11111111111111	New 20	58: *	299 5/1/00 OF	EER * 13		C	0	R	Innovati	ive door :	solutions	MOU P: 80	NTAINT 0.233.8	OP, PA		. LITCHFIELD RD DDYEAR, AZ	dimensi to 0.0	otherwise specifie ons are in inches lerances are: 100 = +/- 0.031 FIONAL = +/- 1/32
								111	OAES	LOR	ALEN	Num		TITLE	10		LOA	DC		E: AD		RNELL	IRON.C	OM DRAWN BY:		ES = +/- 1/2 DEG
										hinn	mm						ED F						R	TJE DWG NO:	B	AS NOTED 31/5 5-CIVV



.



DATE	BY	E.C.O.
10/20/14	TJE	1615
12/13/17	CJR	1663
02/19/20	MAN	2027
	10/20/14 12/13/17	10/20/14 TJE 12/13/17 CJR

L'TR * ORIGINAL ISSUE A REMOVED SPECIFIC END B REVISED BOTTOM BAR D

	T					No							Ci	0001/CP06	51 - 0.0290				anized or St								Steel (Wa	all anchors are	the same	diameter as	s assembly				
_			-		,	Filled CMU	J									C	racked Conc	rete Minin	mum 3,000 P	SI Compres	sive Streng	th					Steerium		fasteners)	-	usseniory	1	Superimpo	sed Loads	
DBG		Hilti Kw	vik Bolt 3		1.000	Simpson S	trong-Bolt	2		Through Bo	lt		Hi	iti Kwik Bolt	TZ			Simp	son Strong-	Bolt 2			ITW	Redhead Tr	ubolt+		w	elded	Through Bolt	Tar	pped	1			
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 (-)
5'-5"	14	3/8	2 1/2	5 3/4	10	3/8	2 5/8	5 3/4	25	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	83	0	82
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
7'-5"	10	3/8	2 1/2	5 3/4	9	1/2	3 1/2	5 3/4	18	3/8	5 3/4	10 5/16	3/8	2 5/16	5	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	14 1/4	3/8	2	5	5 3/4	36	7/16 x 5/8	36	36	3/16	0	113	0	112
8'-5"	9	3/8	2 1/2	5 3/4	15	3/4	5 1/4	5 3/4	16	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	128	0	127
9'-5"	8	3/8	2 1/2	5 3/4	13	3/4	5 1/4	5 3/4	14	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	28 1/2	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	143	0	142
10'-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	28 1/2	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	10 5/16	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	158	0	157
11'-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	16 1/4	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	22 3/4	1/2	3 3/4	8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	173	0	172
12'-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	1/2	3 5/8	8	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	3/4	4 3/8	7	5 3/4	36	7/16 x 5/8	36	36	3/16	0	188	0	187
13'-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	28 1/2	1/2	3 5/8	8	5 3/4	22 3/4	1/2	3 7/8	6	5 3/4	36	3/4	4 3/8	7	5 3/4	36	7/16 x 5/8	36	36	3/16	0	203	0	202
14'-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	28 1/2	1/2	3 5/8	8	5 3/4	22 3/4	1/2	3 7/8	6	5 3/4	36	3/4	4 3/8	7	5 3/4	36	7/16 x 5/8	36	36	3/16	27	218	0	217
15'-5"	9	3/8	2 1/2	5 3/4	14	3/4	5 1/4	5 3/4	16	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	163	233	141	232
16'-5"	8	3/8	2 1/2	5 3/4	12	3/4	5 1/4	5 3/4	13	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	28 1/2	3/8	2 7/8	4 1/2	5 3/4	19	1/2	3 3/4	6	5 3/4	27	7/16 x 5/8	27	18	3/16	378	248	358	247
17'-5"	10	3/4	4 3/8	5 3/4	8	3/4	5 1/4	5 3/4	9	3/8	5 3/4	36	3/4	5 9/16	8	5 3/4	28 1/2	3/4	4 1/8	6 3/4	5 3/4	28 1/2	3/4	4 3/8	7	5 3/4	18	7/16 x 5/8	18	12	3/16	578	263	560	262
18'-5"	8	3/4	4 3/8	5 3/4	1	N	I/A		7	3/8	5 3/4	28 1/2	3/4	5 9/16	8	5 3/4	36	3/4	5 3/4	8 3/4	5 3/4			N/A			14	7/16 x 5/8	14	9	3/16	768	278	751	277
19'-5"	11	3/4	4 3/8	6 13/16	8	3/4	5 1/4	6 13/16	19	1/2	6 13/16	22 3/4	1/2	3 5/8	8	6 13/16	36	3/4	4 1/8	6 3/4	6 13/16	36	3/4	4 3/8	7	6 13/16	36	9/16 x 3/4	36	23	1/4	587	291	577	292
20'-5"	9	3/4	4 3/8	6 13/16		N	N/A		15	1/2	6 13/16	36	3/4	5 9/16	8	6 13/16	36	3/4	5 3/4	8 3/4	6 13/16	28 1/2	3/4	4 3/8	8	6 13/16	33	9/16 x 3/4	33	18	1/4	734	306	724	307
21'-5"	8	3/4	4 3/8	6 13/16		N	N/A		13	1/2	6 13/16	28 1/2	3/4	5 9/16	8	6 13/16	36	3/4	5 3/4	8 3/4	6 13/16			N/A			28	9/16 x 3/4	28	15	1/4	876	321	866	322
22'-5"		N	/A			N	N/A	1	11	1/2	6 13/16			N/A			1100		N/A	-	and an			N/A			23	9/16 x 3/4	23	13	1/4	1054	336	1044	337
23'-5"		N	/A			N	N/A		10	1/2	6 13/16			N/A			-		N/A			1		N/A			20	9/16 x 3/4	20	11	1/4	1191	352	1181	352
24'-5"		N	/A		-	N	N/A		9	1/2	6 13/16			N/A		-			N/A					N/A			18	9/16 x 3/4	18	10	1/4	1326	367	1316	367
25'-5"		N	/A	-		N	N/A		11	5/8	6 7/8	-	_	N/A					N/A					N/A			25	11/16 x 7/8		14	5/16	1459	382	1450	383
26'-5"		N	/A			N	N/A		10	5/8	6 7/8	-		N/A	-	-			N/A					N/A			23	11/16 x 7/8	23	13	5/16	1591	397	1582	398
27'-5"		N	/A		1	N	N/A		9	5/8	6 7/8			N/A			-		N/A			-		N/A			21	11/16 x 7/8	21	12	5/16	1723	412	1713	413
28'-5"	-	N	/A		1	N	N/A		9	5/8	6 7/8			N/A					N/A					N/A	_	_	20	11/16 x 7/8	20	11	5/16	1854	427	1844	428
29'-5"			/A		1		N/A		8	5/8	6 7/8			N/A					N/A					N/A			18	11/16 x 7/8	18	10	5/16	1985	442	1975	443
30'-5"			/A		-		N/A		8	5/8	6 7/8			N/A					N/A					N/A			17	11/16 x 7/8	17	9	5/16	2116	458	2107	459
31'-5"			/A				N/A		11	3/4	7 1/2	_		N/A		_			N/A			-		N/A			36	13/16 x 1	36	24	3/8	1836	471	1827	472
32'-5"			/A				A/A		11	3/4	7 1/2	-		N/A	_				N/A	2		1		N/A		-	36	13/16 x 1	36	22	3/8	1948	487	1939	487
33'-5"	-		/A				N/A		10	3/4	7 1/2			N/A					N/A					N/A			36	13/16 x 1	36	21	3/8	2061	502	2052	502
34'-5"	-		/A		-		N/A		10	3/4	7 1/2			N/A					N/A			1		N/A			36	13/16 x 1	36	20	3/8	2174	517	2165	517
35'-5"			/A		-		N/A		9	3/4	7 1/2			N/A					N/A					N/A			36	13/16 x 1	36	19	3/8	2288	532	2279	533
36'-5"			/A				A/A		9	3/4	7 1/2			N/A		_			N/A			-		N/A			34	13/16 x 1	34	18	3/8	2402	547	2393	548
37'-5"			/A				N/A		8	3/4	7 1/2	-		N/A			-		N/A	-				N/A			32	13/16 x 1	32	17	3/8	2517	563	2508	563
38'-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	2633	578	2624	578
39'-5"	1		/A		1		A/A		8	3/4	7 1/2		_	N/A					N/A			-		N/A			30	13/16 x 1	30	16	3/8	2749	593	2740	594
40'-5"		N	/A			1	N/A		7	3/4	7 1/2	-		N/A					N/A			1 Section		N/A			28	13/16 x 1	28	15	3/8	2866	609	2857	609





REVISION	DATE	BY	E.C.O.
	10/20/14	TJE	1615
DLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027
		-	-

L'TR	REVISION	DATE	BY	E.C.O
*	ORIGINAL ISSUE	10/20/14	TJE	1615
А	REMOVED SPECIFIC ENDLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
В	REVISED BOTTOM BAR DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

							CP00	001/CP0651 -	- 0.0296/0./	0220 Minir	mum Thickn	iess Galvani	ized or Stair	nless Steel	- 40 PSF									1		1
		('	1		('	1	/				Concre*	te Minimum	n 3,000 PSI (Compressiv	e Strength (/	Anchors are	e the same r	diameter as	as assembly fa	asteners)				1		
DBG	Windlock			Guide			y Assembly		Hilti Kw	wik Bolt 3			Simpson	n Wedge All	'		Red Hea	ad Tru-Bolt			Powers V	Wedge-Bolt		4		
Up To	Flat Location	Slip	Windlock	Assembly	Weld Pitch				Embed	Min. Wall Thick.	Edge Dist	t Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.		t Max O.C.	. Embed	Min. Wall Thick.	II Edge Dist	4		
5'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	19	2 5/8		5 3/4	19	3	4 1/2	-	15	2	3	5 3/4	4		
6'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4		2 5/8			16	3	4 1/2	5 3/4	12	2	3	5 3/4	1		
7'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	-	2 5/8	-		14	3	4 1/2		-	2	3	5 3/4	1		
8'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	22	2 3/8	4	5 3/4	12	2 5/8	-	-	12	3	4 1/2			2	3	5 3/4	4		
9'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	8	2 3/8	4	5 3/4		2 5/8		-	11	3	4 1/2	-		2	3	5 3/4	4		
10'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	7	2 3/8	5 N/A	5 3/4	10	2 5/8		-	10	3	4 1/2		-	2	3	5 3/4	4		
11'-5" 12'-5"	N/A 1 5/16	N/A 0.532	N/A CP0629	344* DC1	N/A 12	3/8	24	16	N/ 3 1/2	1	5 3/4	9	2 5/8	-	5 3/4	9		4 1/2 N/A	5 3/7 ,		-	N/A	1 10	4		
12-5	1 3/8	0.532	CP0629 CP0629	344	12	3/8	18	28	2 3/8	4	5 3/4	-	2 5/8		-	13	3	4 1/2	5 3/4	8	2	3	5 3/4	1		
15'-5"	1 1/2	0.719		344	12	3/8	15		N/			9	2 5/8			10	3	4 1/2	-	-	2	3	5 3/4	1		
16'-5"	1 1/2	0.719	CP0629	344	11	3/8	11			N/A		7	2 5/8			7	3	4 1/2	-		2 1/2	-		1		
17'-5"	1 3/4	0.969	CP0629	445	11	1/2	18	36	3 5/8	6	6 13/16	15	4 1/2	6 3/4	6 13/16	12	4 1/8	6 3/16	6 13/16	6 6	2 1/2	3 3/4		-		
18'-5"	1 7/8	1.094	CP0629	445	11	1/2	18	28	3 5/8	6	6 13/16		4 1/2		-		4 1/8	-		_	2 1/2			-		
19'-5"	2	1.156	CP0630	445	10	1/2	16	28	3 5/8	8	6 13/16		4 1/2				4 1/8				3 1/2	-		-		
20'-5"	2	1.156	CP0630	445	9	1/2	14			N/A		9	4 1/2	-	_		4 1/8	_	_		3 1/2	-		-		
21'-5"	2	1.156	CP0630	445	8	1/2	13		1.6	N/A		8	4 1/2	-		6	4 1/8	6 3/16 N/A	6 13/16	-	4	6	6 13/16 5 7/8	4		
22'-5" 23'-5"	2	1.156	CP0630 CP0630	446 546	8	5/8	18			N/A N/A		10	4 1/2					N/A N/A		9	5	7 1/2		1		
23'-5"	2	1.156			7	5/8	17	-		N/A		8	4 1/2	-				N/A		7	5	7 1/2		1		
25'-5"	2	1.156			7	5/8	14			N/A		8	4 1/2					N/A			-	N/A		Al -		
26'-5"	2 1/2	1.656			7	3/4	18	22	5 5/8	8	7 1/2	11	5	7 1/2		13	6 5/8	9 15/16	6 7 1/2			N/A		4		
27'-5"	2 1/2	1.656		+ +	7	3/4	18		N	N/A		11	5	7 1/2	7 1/2	12	6 5/8					N/A		4		
28'-5"	2 1/2	1.656			7	3/4	18			N/A		10	5	7 1/2		11	6 5/8		_			N/A		4		
29'-5"	2 1/2	1.656			6	3/4	18			N/A		9	5	7 1/2	-	10	6 5/8					N/A		4		
30'-5"	2 1/2	1.656		-	6	3/4	18	-		N/A		9	5	7 1/2		10	6 5/8	_	_			N/A		Al		
31'-5" 32'-5"	2 1/2	1.656			6	3/4	17	-		N/A N/A		8	5	7 1/2		8	6 5/8 6 5/8					N/A N/A		A		
32'-5" 33'-5"	2 1/2 2 1/2	1.656			6	3/4	16	-		N/A N/A		8	5	7 1/2		5	6 5/8	_		-		N/A N/A		1		
34'-5"	2 1/2	1.656			6	3/4	14			N/A		7	5	7 1/2	-			N/A				N/A		4		
35'-5"	2 1/2	1.656	-		5	3/4	14			N/A		7	5	7 1/2	-			N/A				N/A		Æ		
36'-5"	2 1/2	1.656			5	3/4	13			N/A				N/A.				N/A				N/A		4		
37'-5"	2 1/2	1.656	CP0630 & CP0647	648	5	3/4	13		N	N/A			Y	N/A			1	N/A			1	N/A		4		
								* SHAIL	THE REAL	TRACK 58299	9			C	OI	RI				MOUNT	TAINTO	OP, PA		LITCHFIELD RD DYEAR, AZ	dimensions tolera	nerwise specified is are in inches & rances are: 0 = +/- 0.031
								* PROFUM	ESSIO	ATE O	F A. Out	HILLING.	7	TITLE:		IND L	LOAD			F: 800.5 E: ADS(GURA	S@CORI	RNELLIR		DM DRAWN BY: TJE DWG NO:	FRACTIO ANGLES SIZE: S	S = +/- 0.031 S = +/- 1/32 S = +/- 1/2 DEG S = +/- 1/2 DEG S = +/- 1/2 DEG S = -1/2 SHEET: S = -1/2 SHEET:
																						TRAT	- A- C - T	EO	6-16-65-	-CIW





L'TR	REVISION	DATE	BY	E.C.O
*	ORIGINAL ISSUE	10/20/14	TJE	1615
A	REMOVED SPECIFIC ENDLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
В	REVISED BOTTOM BAR DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

													C	P0001/CP06	51 - 0.0290	5/0.0220 Mi	nimum Thic	kness Galv	vanized or S	tainless Ste	el - 40 PSF,	Cont.													
						Filled CM	U									C	cracked Cond	rete Minin	mum 3,000 P	PSI Compre	ssive Streng	th					Steel (Wa	all anchors are	the same (fasteners)	diameter as a	assembly		Superimpo	used Loads	
DBG		Hilti Kw	vik Bolt 3	011		Simpson S	Strong-Bolt 2	2	Т	hrough Bo	lt		Hi	lti Kwik Bolt	TZ			Simp	pson 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 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 (-)
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	12 5/8	3/8	2 5/16	5	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	16 1/4	3/8	2	5	5 3/4	36	7/16 x 5/8	36	36	3/16	0	110	0	109
6'-5"	9	3/8	2 1/2	5 3/4	15	3/4	5 1/4	5 3/4	16	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	130	0	129
7'-5"	8	3/8	2 1/2	5 3/4	13	3/4	5 1/4	5 3/4	14	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	16 1/4	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	150	0	149
8'-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	19	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	22 3/4	1/2	3 3/4	8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	170	0	169
9'-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	1/2	3 5/8	8	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	3/4	4 3/8	7	5 3/4	36	7/16 x 5/8	36	36	3/16	0	190	0	189
10'-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	19	1/2	3 5/8	8	5 3/4	16 1/4	1/2	3 7/8	6	5 3/4	36	3/4	4 3/8	7	5 3/4	36	7/16 x 5/8	36	36	3/16	0	210	0	209
11'-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	3/4	5 9/16	8	5 3/4	22 3/4	3/4	4 1/8	6 3/4	5 3/4	22 3/4	3/4	4 3/8	7	5 3/4	36	7/16 x 5/8	36	36	3/16	0	230	0	229
12'-5"	8	1/2	3 1/2	5 3/4	8	1/2	4 1/2	5 3/4		N/A				N/A					N/A					N/A			18	9/16 X 3/4	18	18	1/4	0	250	0	248
14'-5"	9	1/2	3 1/2	5 3/4	11	3/4	5 1/4	5 3/4	13	3/8	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	36	1/2	3 3/4	8	5 3/4	26	7/16 x 5/8	26	17	3/16	389	290	359	289
15'-5"	11	3/4	4 3/8	5 3/4	9	3/4	5 1/4	5 3/4	9	3/8	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	20	7/16 x 5/8	20	13	3/16	525	310	500	309
16'-5"	8	3/4	4 3/8	5 3/4		1	N/A		7	3/8	5 3/4	28 1/2	3/4	5 9/16	8	5 3/4	36	3/4	5 3/4	8 3/4	5 3/4			N/A			13	7/16 x 5/8	13	9	3/16	776	330	753	330
17'-5"	9	3/4	4 3/8	6 13/16		1	N/A		15	1/2	6 13/16	36	3/4	5 9/16	8	6 13/16	36	3/4	5 3/4	8 3/4	6 13/16	22 3/4	3/4	4 3/8	8	6 13/16	32	9/16 x 3/4	32	18	1/4	767	349	750	349
18'-5"	8	3/4	4 3/8	6 13/16		1	N/A		13	1/2	6 13/16	28 1/2	3/4	5 9/16	8	6 13/16	36	3/4	5 3/4	8 3/4	6 13/16			N/A			28	9/16 x 3/4	28	15	1/4	876	368	862	369
19'-5"		N	/A			1	N/A		11	1/2	6 13/16	The second		N/A					N/A			1.	-	N/A			24	9/16 x 3/4	24	13	1/4	1021	388	1008	389
20'-5"		N	/A			- 1	N/A		9	1/2	6 13/16	1		N/A					N/A			1		N/A			20	9/16 x 3/4	20	11	1/4	1202	408	1189	409
21'-5"		N	/A.			4	N/A		8	1/2	6 13/16			N/A					N/A					N/A			18	9/16 x 3/4	18	10	1/4	1378	428	1366	429
22'-5"	-	N	/A			1	N/A		10	5/8	6 7/8			N/A					N/A			1		N/A			24	11/16 x 7/8		13	5/16	1551	449	1539	450
23'-5"		N	/A			1	N/A		9	5/8	6 7/8			N/A					N/A			1.		N/A			21	11/16 x 7/8		12	5/16	1722	469	1710	470
24' 5"		N	/A			1	N/A	T)	8	5/8	6 7/8			N/A					N/A					N/A			19	11/16 x 7/8	19	11	5/16	1891	489	1879	490
25'-5"		N	/A			1	N/A		8	5/8	6 7/8			N/A			1.2.2.2		N/A					N/A	A		18	11/16 x 7/8	18	10	5/16	2059	509	2047	510
26'-5"		N	/A			1	N/A		11	3/4	7 1/2			N/A					N/A					N/A			36	13/16 x 1	36	24	3/8	1803	528	1791	528
27'-5"		N	/A		1		N/A		11	3/4	7 1/2	12		N/A	-				N/A					N/A			36	13/16 x 1	36	22	3/8	1947	548	1935	549
28'-5"		N	/A				N/A		10	3/4	7 1/2			N/A					N/A					N/A			36	13/16 x 1	36	21	3/8	2090	568	2078	569
29'-5"		N	/A				N/A		9	3/4	7 1/2			N/A					N/A			1		N/A			36	13/16 x 1	36	20	3/8	2233	589	2222	589
30'-5"		N	/A				N/A		9	3/4	7 1/2			N/A					N/A	-				N/A			34	13/16 x 1	34	18	3/8	2377	609	2366	609
31'-5"		N	/A				N/A		8	3/4	7 1/2			N/A					N/A			1		N/A			32	13/16 x 1	32	17	3/8	2522	629	2510	630
32'-5"		N	/A		1	1	N/A		8	3/4	7 1/2			N/A			-		N/A					N/A			30	13/16 x 1	30	16	3/8	2667	649	2656	650
33'-5"		N	/A			1	N/A		7	3/4	7 1/2			N/A					N/A				-	N/A			29	13/16 x 1	29	15	3/8	2813	670	2802	670
34'-5"		N	/A		1	-	N/A		7	3/4	7 1/2			N/A					N/A				_	N/A	_		27	13/16 x 1	27	15	3/8	2960	690	2949	691
35'-5"		N	/A	_			N/A		7	3/4	7 1/2			N/A			1		N/A					N/A			26	13/16 x 1	26	14	3/8	3108	710	3097	711
36'-5"			I/A	-		Contraction of the local distance of the loc	N/A		-	N/A		1	_	N/A					N/A			-		N/A		-	25	13/16 x 1	25	13	3/8	3257	731	3246	731
37'-5"		N	I/A		10000		N/A		1	N/A				N/A					N/A					N/A			24	13/16 x 1	24	13	3/8	3407	751	3396	752





L'TR	
*	ORIGINAL ISSUE
Α	REMOVED SPECIFIC ENI
В	REVISED BOTTOM BAR I

						-	CPOO	01/CP0651 -	- 0.0296/0.	0220 Minim		ess Galvania		1			_		_				
	1	1-1-1	1	1.2.2.1			1.000				Concre	te Minimum	3,000 PSI	Compressiv	e Strength (Anchors are	the same d	liameter as a	assembly fa	isteners)			
DBG	Windlock	1115-21	1	Guide	Windlock	Assembly	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 Di
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	12	2	3	5 3/4
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	10	2	3	5 3/4
7'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	9	2 3/8	4	5 3/4	11	2 5/8	3 15/16	5 3/4	11	3	4 1/2	5 3/4	8	2	3	5 3/4
8'-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	10	3	4 1/2	5 3/4	7	2	3	5 3/4
9'-5"	N/A	N/A	N/A	344*	N/A	3/8	24		N	I/A		8	2 5/8	3 15/16	5 3/4	9	3	4 1/2	5 3/4	7	2	3	5 3/4
10'-5"	N/A	N/A	N/A	344*	N/A	3/8	24		N	I/A		8	2 5/8	3 15/16	5 3/4	8	3	4 1/2	5 3/4	6	2	3	5 3/4
12'-5"	1 5/16	0.532	CP0629	DC1	12	1/2	18	16	3 1/2	5 1/4	5 3/4	16	4 1/2	6 3/4	5 3/4		N	/A			n	I/A	
14'-5"	1 5/16	0.532	CP0629	344	11	3/8	11		N	I/A		6	2 5/8	3 15/16	5 3/4	6	3	4 1/2	5 3/4	5	2 1/2	3 3/4	5 3/4
15'-5"	1 1/2	0.656	CP0630	445	10	1/2	18	36	3 5/8	8	6 13/16	12	4 1/2	6 3/4	6 13/16	9	4 1/8	6 3/16	6 13/16	8	3 1/2	5 1/4	6 13/
16'-5"	1 5/8	0.781	CP0630	445	10	1/2	16	28	3 5/8	8	6 13/16	11	4 1/2	6 3/4	6 13/16	8	4 1/8	6 3/16	6 13/16	7	3 1/2	5 1/4	6 13/
17'-5"	1 3/4	0.906	CP0630	445	9	1/2	14	-	N	I/A		9	4 1/2	6 3/4	6 13/16	7	4 1/8	6 3/16	6 13/16	6	3 1/2	5 1/4	6 13/1
18'-5"	1 7/8	1.031	CP0630	445	9	1/2	13			I/A		9	4 1/2	6 3/4	6 13/16	7	4 1/8	6 3/16	6 13/16	6	3 1/2	5 1/4	6 13/1
19'-5"	2	1.156	CP0630	446	8	5/8	18	1	N/A			11	4 1/2	6 3/4	6 7/8		N	/A		7	4	6	6 7/
20'-5"	2	1.156	CP0630	546	8	5/8	17		N	I/A		10	4 1/2	6 3/4	6 7/8		N	/A		9	5	7 1/2	6 7/
21'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	15		0	I/A	-	8	4 1/2	6 3/4	6 7/8		N	/A		8	5	7 1/2	6 7/
22'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	14		N	I/A	1.00	8	4 1/2	6 3/4	6 7/8		N	I/A			1	I/A	
23'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18	22	5 5/8	8	7 1/2	11	5	7 1/2	7 1/2	12	6 5/8	9 15/16	7 1/2			N/A	-
24'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18		0	I/A		10	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	CP0630 & CP0647	548	7	3/4	18		N	I/A		9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2	10	1	N/A	
26'-5"	2 1/2	1.656	CP0630 & CP0647	548	6	3/4	17		N	I/A		9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2		1	N/A	
27'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	16		N	I/A		8	5	7 1/2	7 1/2	8	6 5/8	9 15/16	7 1/2		1	N/A	
28'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	15		N	I/A		8	5	7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2		1	N/A	
29'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	15		N	I/A		7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2			N/A	
30'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	14		P	V/A		7	5	7 1/2	7 1/2		N	I/A			1	N/A	
31'-5"	2 1/2	1.656	CP0630 & CP0647	648	5	3/4	13		P	N/A				N/A			N	I/A				N/A	
32'-5"	2 1/2	1.656	CP0630 & CP0647	648	5	3/4	12	1	P	I/A				N/A	-		N	I/A			U	N/A	



REVISION	DATE	BY	E.C.O.
	10/20/14	TJE	1615
DLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027
	1		-

24 ELMWOOD AVE 1901 S MOUNTAINTOP, PA GO		dimens	otherwise sp ions are in ir plerances are	nches &
P: 800.233.8366 F: 800.526.0841 E: ADS@CORNELLIRON.0	OM	FRAC	000 = +/- 0.0 TIONAL = +/ _ES = +/- 1/2	/- 1/32
GURATION	DRAWN BY: TJE	SIZE:	SCALE: AS NOTED	
STEEL DOOR	DWG NO:	-16-6	5-CIW	

L'TR	REVISION	DATE	BY	E.C.O
*	ORIGINAL ISSUE	10/20/14	TJE	1615
А	REMOVED SPECIFIC ENDLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
в	REVISED BOTTOM BAR DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

	Filled CMU								Steel (Wall anchors are the same diameter as assembly fasteners)				Superimposed Load						
DBG Up To	Hilti Kwik Bolt 3				Simpson Strong-Bolt 2			Through Bolt					Through Bolt			Superimposed coad			
	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 (-)
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
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
7'-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	188	0
8'-5"	11	3/4	4 3/8	5 3/4	9	3/4	5 1/4	5 3/4	9	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	213	0
9'-5"	10	3/4	4 3/8	5 3/4	8	3/4	5 1/4	5 3/4	8	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	238	0
10'-5"	9	3/4	4 3/8	5 3/4		N	I/A		8	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	263	0
12'-5"	8	1/2	3 1/2	5 3/4	8	1/2	4 1/2	5 3/4		N/A		18	9/16 X 3/4	18	18	1/4	105	312	62
14'-5"		N	I/A			N	I/A		6	3/8	5 3/4	12	7/16 x 5/8	12	8	3/16	854	363	819
15'-5"	N/A			N/A			12	1/2	6 13/16	25	9/16 x 3/4	25	14	1/4	971	387	945		
16'-5"	N/A			N/A			11	1/2	6 13/16	22	9/16 x 3/4	22	12	1/4	1091	412	1069		
17'-5"	N/A			N/A			9	1/2	6 13/16	20	9/16 x 3/4	20	11	1/4	1207	436	1187		
18'-5"		N/A		N/A			9	1/2	6 13/16	18	9/16 x 3/4	18	10	1/4	1317	461	1300		
19'-5"		N/A		N/A			11	5/8	6 7/8	26	11/16 x 7/8	26	14	5/16	1422	485	1407		
20'-5"	N/A		N/A			10	5/8	6 7/8	23	11/16 x 7/8	23	12	5/16	1635	511	1620			
21'-5"	N/A		N/A			8	5/8	6 7/8	20	11/16 x 7/8	20	11	5/16	1843	536	1828			
22'-5"	N/A		N/A			8	5/8	6 7/8	18	11/16 x 7/8	18	10	5/16	2049	561	2034			
23'-5"		N/A		N/A			11	3/4	7 1/2	36	13/16 x 1	36	24	3/8	1811	585	1796		
24'-5"	N/A		N/A			10	3/4	7 1/2	36	13/16 x 1	36	22	3/8	1985	610	1971			
25'-5"	N/A		N/A			9	3/4	7 1/2	36	13/16 x 1	36	20	3/8	2159	635	2145			
26'-5"	N/A		N/A			9	3/4	7 1/2	35	13/16 x 1	35	19	3/8	2332	660	2318			
27'-5"	N/A		N/A			8	3/4	7 1/2	32	13/16 x 1	32	17	3/8	2506	686	2492			
28'-5"	N/A		N/A			8	3/4	7 1/2	30	13/16 x 1	30	16	3/8	2680	711	2666			
29'-5"	5" N/A		N/A			7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	2855	736	2841			
30'-5"	5" N/A			N/A			7	3/4	7 1/2	27	13/16 x 1	27	14	3/8	3030	762	3017		
31'-5"	" N/A				N/A			N/A			25	13/16 x 1	25	13	3/8	3207	787	3194	
32'-5"	'-5" N/A			-	N/A			N/A		24	13/16 x 1	24	13	3/8	3385	813	3372		



C	ENDLO	JCK, AL	JU INNER AN	GLENUTE	12/13/17	CJR	1663	
B	AR DET	AIL; HO	OOD SUPPOR	RT UPDATE	02/19/20	MAN	2027	
_			1					
npo	sed Loads	21						
	Vx (-)	Vy (-)						
	0	136						
_	0	161						
	0	186						
-	0	211 236						
	0	250	1					
	62	310						
- 1	819	362						
	945	387						
	1069	412	1					
	1187	437	1					
	1300	462	-					
	1407	486						
-	1620	512	-					
-	1828 2034	537 562	•					
-	1796	585	1					
	1971	610	1					
	2145	635						
	2318	661	1					
	2492	686	1					
	2666	711	1					
	2841	737						
	3017	762						
	3194	788	1					
	3372	813	1					
1.0			AVE 1901 S.	Unless otherwise specified,				
N	NOUNT	AINTO	P, PA GOO	DYEAR, AZ	a service a conservation of the service of the serv	ns are in il erances ar		
		00.000	0	0.000 - +/ 0.024				
		233.836		0.000 = +/- 0.031 FRACTIONAL = +/- 1/32				
		26.084						
E	: ADS	@CORI	NELLIRON.CO			S = +/- 1/2		
G	UR/	ATIO	N	DRAWN BY: TJE	SIZE:	SCALE: AS NOTED		
S	TEE	LDC	DOR	DWG NO:	D	NONULLU	30/30	
N		ACT	RATED	E0	-16-65	-CIW		
N	-11111	AUT	IVAILD					

 L'TR
 F

 *
 ORIGINAL ISSUE

 A
 REMOVED SPECIFIC END

 B
 REVISED BOTTOM BAR D

							CPOO	01/CP0651 -	- 0.0296/0.	0220 Minim	um Thickn	ess Galvania	ed or Stai	nless Steel -	60 PSF								
a		1000					[Concret	te Minimum	3,000 PSI	Compressive	e Strength (A	Anchors are	the same of	diameter as	assembly fa	asteners)		1.1.1	
DBG	Windlock	12.11	1.2.2.2.1	Guide	Windlock	Assembly	Assembly	1	Hilti Kw	vik Bolt 3		11	Simpson	Wedge All			Red Hea	d Tru-Bolt		1	Powers V	Vedge-Bolt	
Up To	Flat Location	Slip	Windlock	Assembly	Weld Pitch	Fastener Diameter	Fastener Spacing	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist
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	10	2	3	5 3/4
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	8	2	3	5 3/4
7'-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	7	2	3	5 3/4	
8'-5"	N/A	N/A	N/A	344*	N/A	3/8	24		N	I/A	-	8	2 5/8	3 15/16	5 3/4	8	3	4 1/2	5 3/4	6	2	3	5 3/4
9'-5"	N/A	N/A	N/A	344*	N/A	3/8	24		N	I/A		7	2 5/8	3 15/16	5 3/4	7 3 4 1/2 5 3/4			5 3/4	5	2 3 53		
12'-5"	1 5/16	0.532	CP0629	DC1	12	1/2	18	16	3 1/2	5 1/4	5 3/4	16	4 1/2	6 3/4	5 3/4		N	I/A			n	I/A	
14'-5"	1 5/16	0.469	CP0630	445	8	1/2	14		N	I/A		9	4 1/2	6 3/4	6 13/16	7	4 1/8	6 3/16	6 13/16	7	4	6	6 13/16
15'-5"	1 3/8	0.531	CP0630	446	8	5/8	18	N/A				10	4 1/2	6 3/4	6 7/8	8	7 1/2	11 1/4	6 7/8	9	5	7 1/2	6 7/8
16'-5"	1 1/2	0.656	CP0630	446	8	5/8	18	N/A			10	4 1/2	6 3/4	6 7/8	N/A				8	5	7 1/2	6 7/8	
17'-5"	1 5/8	0.781	CP0630 & CP0647	546	7	5/8	17		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"	1 3/4	0.906	CP0630 & CP0647	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"	1 7/8	1.031	CP0630 & CP0647	546	7	5/8	15	1	N	I/A		8	4 1/2	6 3/4	6 7/8	N/A			-	7 5 7 1/2 6			6 7/8
20'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	14		N	I/A		7	4 1/2	6 3/4	6 7/8	N/A				N/A			
21'-5"	2 1/8	1.281	CP0630 & CP0647	548	7	3/4	18	1.0	N	I/A		10	5	7 1/2	7 1/2	11	6 5/8	9 15/16	7 1/2		1	I/A	
22'-5"	2 3/8	1.531	CP0630 & CP0647	548	7	3/4	18		N	I/A		9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2		r	N/A	
23'-5"	2 1/2	1.656	CP0630 & CP0647	548	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	
24'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	16		N	I/A		8	5	7 1/2	7 1/2	8	6 5/8	9 15/16	7 1/2		4	N/A	
25'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	15		N	I/A		8	5	7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2	1. m		N/A	
26'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	14		N	I/A		7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2		1	N/A	
27'-5"	2 1/2	1.656	CP0630 & CP0647	648	5	3/4	13		N	N/A		7	5	7 1/2	7 1/2		N	I/A			3	N/A	
28'-5"	2 1/2	1.656	CP0630 & CP0647	648	5	3/4	13		1	V/A			1	N/A		N/A				N/A			
29'-5"	2 1/2	1.656	CP0630 & CP0647	648	5	3/4	12		N	N/A	-			N/A		N/A				N/A			





ELMWOOD AVE 1901 S. INTAINTOP, PA GOO	Unless otherwise specified, dimensions are in inches & tolerances are:							
00.233.8366 00.526.0841 DS@CORNELLIRON.C	0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG							
RATION	DRAWN BY: TJE	SIZE: B	SCALE: SHEET: AS NOTED 37/58					
EEL DOOR	DWG NO: ES	-16-6	5-CIW					

REVISION	DATE	BY	E.C.O.
	10/20/14	TJE	1615
DLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

L'TR	
*	ORIGINAL ISSUE
A	REMOVED SPECIFIC END
В	REVISED BOTTOM BAR D
В	REVISED BOTTOM BAR

					F	illed CMU	1					Steel (Wa	all anchors are	the same of fasteners)	liameter as	assembly		Suparimp	osed Loads
DBG		Hilti Kv	vik Bolt 3		5	Simpson S	trong-Bolt 2	2	7	hrough Bo	lt	w	elded	Through Bolt	Тар	oped		Superimpo	DSed Loads
Up To	Max O.C.	Dia.	Embed	Edge Dist	Max O.C.	Dia.	Embed	Edge Dist	Max. O.C.	Dia.	Edge Distance	Max O.C.	Slot Size	Max O.C.	Max O.C.	Min. Thickness	Vx (+)	Vy (+)	Vx (-)
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
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
7'-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
8'-5"	9	3/4	4 3/8	5 3/4		N	V/A		8	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	255	0
9'-5"	8	3/4	4 3/8	5 3/4		N	I/A		7	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	285	0
12'-5"	8	1/2	3 1/2	5 3/4	8	1/2	4 1/2	5 3/4		N/A		18	9/16 X 3/4	18	18	1/4	412	375	365
14'-5"	N/A					N	N/A		9	1/2	6 13/16	17	9/16 x 3/4	17	9	1/4	1388	435	1351
15'-5"	N/A				N/A.			10	5/8	6 7/8	23	11/16 x 7/8	23	12	5/16	1613	465	1579	
16'-5"	1.00	P	N/A			N/A			10	5/8	6 7/8	22	11/16 x 7/8	22	12	5/16	1688	495	1659
17'-5"		h	N/A			N	N/A		9	5/8	6 7/8	21	11/16 x 7/8	21	11	5/16	1777	524	1752
18'-5"		M	N/A		-	N	N/A		8	5/8	6 7/8	20	11/16 x 7/8	20	11	5/16	1873	554	1851
19'-5"	1	N	N/A				N/A		8	5/8	6 7/8	19	11/16 x 7/8	19	10	5/16	1970	583	1951
20'-5"		P	N/A			P	N/A		7	5/8	6 7/8	18	11/16 x 7/8	18	10	5/16	2067	613	2050
21'-5"		M	N/A		-		N/A		10	3/4	7 1/2	36	13/16 x 1	36	20	3/8	2173	644	2150
22'-5"			N/A			M	N/A		9	3/4	7 1/2	36	13/16 x 1	36	20	3/8	2152	672	2133
23'-5"		P	N/A			N	N/A		9	3/4	7 1/2	36	13/16 x 1	36	19	3/8	2252	702	2235
24'-5"		1	N/A			1	N/A		8	3/4	7 1/2	33	13/16 x 1	33	18	3/8	2455	732	2439
25'-5"	-	N/A N/A					8	3/4	7 1/2	30	13/16 x 1	30	16	3/8	2658	762	2642		
26'-5"	-	N/A N/A					7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	2861	793	2845		
27'-5"		N/A N/A					7	3/4	7 1/2	26	13/16 x 1	26	14	3/8	3065	823	3049		
28'-5"		1	N/A			P	N/A			N/A		25	13/16 x 1	25	13	3/8	3270	854	3254
29'-5"		1	N/A			1	N/A			N/A		23	13/16 x 1	23	12	3/8	3476	884	3460





	-
ads	
)	Vy (-)
	163
	193
	223
	253
	283
	373
L	436
9	466
•	496
2	525 555
1	585
,	614
)	644
3	673
;	702
)	733
2	763
5	793
9	824
4	854
0	885
	IWOOI
00.	
00. 00.	233.83 526.08
	233.83 526.08 @COF

REVISION	DATE	BY	E.C.O.
	10/20/14	TJE	1615
DLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027
		-	

L'TR	REVISION	DATE	BY	E.C.O
*	ORIGINAL ISSUE	10/20/14	TJE	1615
Α	REMOVED SPECIFIC ENDLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
В	REVISED BOTTOM BAR DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

							CPOO	01/CP0651	- 0.0296/0.	0220 Minin	num Thickn	ess Galvania	ed or Stain	less Steel -	65 PSF								
	1	1.00		0	1.000						Concret	te Minimum	3,000 PSI (Compressive	e Strength (Anchors are	the same of	diameter as	assembly fa	asteners)			
DDC	Windlock		1.0.0	Guide	Windlock	Assembly	Assembly		Hilti Kw	vik Bolt 3			Simpson Wedge All				Red Hea	d Tru-Bolt		Powers Wedge-Bolt			
DBG Up To	Flat Location	Slip	Windlock	Assembly	Weld Pitch	Fastener Diameter	Fastener Spacing	Max O.C. Embed Min. Wall Edge Dist Ma		Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wal Thick.	Edge Dis		
5'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	16	2 3/8	4	5 3/4	11	2 5/8	3 15/16	5 3/4	12	3	4 1/2	5 3/4	9	2	3	5 3/4
6'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	6	2 3/8	5	5 3/4	9	2 5/8	3 15/16	5 3/4	10	3	4 1/2	5 3/4	7	2	3	5 3/4
7'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	N/A			8	2 5/8	3 15/16	5 3/4	8	3	4 1/2	5 3/4	6	2	3	5 3/4	
8'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	-	N/A				2 5/8	3 15/16	5 3/4	7	3	4 1/2	5 3/4	6	2	3	5 3/4
9'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	N/A				6	2 5/8	3 15/16	5 3/4	7	3	4 1/2	5 3/4	5	2	3	5 3/4
12'-5"	1 5/16	0.532	CP0629	DC1	12	1/2	18	16 3 1/2 5 1/4 5 3/4				16	4 1/2	6 3/4	5 3/4		N	N/A			N	N/A	
15'-5"	1 3/8	0.531	CP0630 & CP0647	546	7	5/8	17	N/A			9	4 1/2	6 3/4	6 7/8	6	7 1/2	11 1/4	6 7/8	8	5	7 1/2	6 7/8	
16'-5"	1 7/16	0.594	CP0630 & CP0647	546	7	5/8	15	N/A				8	4 1/2	6 3/4	6 7/8		N	I/A			N	I/A	
17 ⁴ -5"	1 1/2	0.656	CP0630 & CP0647	548	6	3/4	18		N	I/A		10	5	7 1/2	7 1/2	11	6 5/8	9 15/16	7 1/2	N/A			
18'-5"	1 5/8	0.781	CP0630 & CP0647	548	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		N/A	
19'-5"	1 3/4	0.906	CP0630 & CP0647	548	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			
20'-5"	1 7/8	1.031	CP0630 & CP0647	548	6	3/4	18		N	I/A		9	5	7 1/2	7 1/2	9	6 5/8	9 15/16	7 1/2		1	N/A	
21'-5"	2	1.156	CP0630 & CP0647	548	6	3/4	17	1	N	I/A	-	8	5	7 1/2	7 1/2	8	6 5/8	9 15/16	7 1/2		1	N/A	
22'-5"	2 1/4	1.406	CP0630 & CP0647	648	6	3/4	16		N	I/A		8	5	7 1/2	7 1/2	8	6 5/8	9 15/16	7 1/2		1	N/A	
23'-5"	2 3/8	1.531	CP0630 & CP0647	648	6	3/4	16	-	N	I/A		8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2		1	N/A	
24'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	15		N	I/A		7	5	7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2		1	N/A	
25'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	14		N	I/A		7	5	7 1/2	7 1/2		N	V/A	-		1	N/A	
26'-5"	2 1/2	1.656	CP0630 & CP0647	648	5	3/4	13		N	I/A	-		N	I/A		N/A				N/A			
27'-5"	2 1/2	1.656	CP0630 & CP0647	648	5	3/4	12	-	N	I/A		N/A N/A						N/A					



Elmwood ave 1901 S. JNTAINTOP, PA GOO		dimens	otherwise s ions are in i plerances a	nches &
00.233.8366 00.526.0841 .DS@CORNELLIRON.C	OM	FRAC	000 = +/- 0. TIONAL = - _ES = +/- 1/	+/- 1/32
RATION	DRAWN BY:	SIZE:	SCALE: AS NOTED	
EEL DOOR	DWG NO:	-16-6	5-CIW	

L'TR	
*	ORIGINAL ISSUE
A	REMOVED SPECIFIC EN
В	REVISED BOTTOM BAR
-	

					1	Filled CMU	1					Steel (Wa	all anchors are	the same of fasteners)	liameter as	assembly		Superimp	oced Load
DBG		Hilti Kw	vik Bolt 3		-	Simpson S	trong-Bolt 2	2	Т	hrough Bo	olt	w	elded	Through Bolt	Тар	oped		Supermp	0300 0080.
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 (-)
5'-5"	8	3/4	3 1/4	5 3/4	10	3/4	5 1/4	5 3/4	11	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	179	0
6'-5"	12	3/4	4 3/8	5 3/4	9	3/4	5 1/4	5 3/4	9	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	212	0
7'-5"	10	3/4	4 3/8	5 3/4	8	3/4	5 1/4	5 3/4	8	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	244	0
8'-5"	9	3/4	4 3/8	5 3/4		N	/A		7	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	277	0
9'-5"	8	3/4	4 3/8	5 3/4		N	/A		6	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	309	0
12'-5"	8	1/2	3 1/2	5 3/4	8	1/2	4 1/2	5 3/4		N/A		18	9/16 X 3/4	18	18	1/4	566	406	517
15'-5"	0	N/A				N	/A		9	5/8	6 7/8	20	11/16 x 7/8	20	11	5/16	1826	504	1790
16'-5"		N	/A		N/A			8	5/8	6 7/8	18	11/16 x 7/8	18	10	5/16	2040	537	2007	
17'-5"		N	/A		N/A			10	3/4	7 1/2	36	13/16 x 1	36	19	3/8	2254	570	2211	
18'-5"		N	/A		N/A			9	3/4	7 1/2	35	13/16 x 1	35	19	3/8	2312	602	2274	
19'-5"		N	/A			N	I/A		9	3/4	7 1/2	34	13/16 x 1	34	18	3/8	2385	634	2351
20'-5"		N	/A			N	/A		9	3/4	7 1/2	33	13/16 x 1	33	18	3/8	2465	666	2435
21'-5"		N	/A			N	/A		8	3/4	7 1/2	32	13/16 x 1	32	17	3/8	2550	698	2524
22'-5"	_	N	/A			N	I/A	-	8	3/4	7 1/2	32	13/16 x 1	32	17	3/8	2494	729	2472
23'-5"		N	I/A			N	I/A		8	3/4	7 1/2	31	13/16 x 1	31	17	3/8	2592	761	2573
24'-5"		N	/A	-		N	I/A		7	3/4	7 1/2	30	13/16 x 1	30	16	3/8	2690	793	2673
25'-5"	N/A N/				I/A		7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	2908	826	2890		
26'-5"		N	1/A		1	•	I/A			N/A		26	13/16 x 1	26	14	3/8	3126	859	3108
27'-5"		N	/A			N	I/A			N/A		24	13/16 x 1	24	13	3/8	3344	892	3327

. .





		860 893	27
	_	860	
			08
-		827	90
-		762 794	73 73
	-	730	72
		699	4
-		667	5
-	_	603 635	4
		571	1
	-	538	7
		505	-
		404	7
-		307	+
-	-	242	-
		209	
		177	
4		Vy (-))
-			(-)
		177 209 242 274 307 404	(-) 7

REVISION	DATE	BY	E.C.O.
	10/20/14	TJE	1615
IDLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027
			_

L'TR	
*	ORIGINAL ISSUE
Α	REMOVED SPECIFIC EN
В	REVISED BOTTOM BAR I

				A			CPOO	01/CP0651 ·	0.0296/0.	0220 Minim				nless Steel -				_						
		1		(1 - 3)	(i	1.1.1.1					Concret	e Minimum	3,000 PSI	Compressive	e Strength (/	Anchors are	the same of	diameter as a	assembly fa	isteners)				
-	Windlock	1		Guide	Windlock	Assembly	Assembly		Hilti Kw	ik Bolt 3	_	Simpson Wedge All					Red Hea	d Tru-Bolt		Powers Wedge-Bolt				
DBG Up To	Flat Location	Slip	Windlock	Assembly	Weld Pitch	Fastener Diameter	Fastener Spacing	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dis	
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	8	2	3	5 3/4	
6'-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	7	2	3	5 3/4	
7'-5"	N/A	N/A	N/A	344*	N/A	3/8	24		N	/A		8	2 5/8	3 15/16	5 3/4	8	3	4 1/2	5 3/4	6	2	3	5 3/4	
8'-5"	N/A	N/A	N/A	344*	N/A	3/8	24		N	/A		7	2 5/8	3 15/16	5 3/4	7	3	4 1/2	5 3/4	5	2	3	5 3/4	
15'-5"	1 5/16	0.469	CP0630 & CP0647	546	6	5/8	14	N/A				7	4 1/2	6 3/4	6 7/8		N	I/A		N/A				
16'-5"	1 3/8	0.531	CP0630 & CP0647	548	6	3/4	18	N/A				9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2	N/A				
17'-5"	1 7/16	0.594	CP0630 & CP0647	548	6	3/4	18	1	N	/A		8	5	7 1/2	7 1/2		N	I/A		N/A				
18'-5"	1 1/2	0.656	CP0630 & CP0647	548	6	3/4	16		N	/A		8	5	7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2		N/A			
19'-5"	1 5/8	0.781	CP0630 & CP0647	648	6	3/4	16		N	/A		7	5	7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2	N/A				
20'-5"	1 3/4	0.906	CP0630 & CP0647	648	6	3/4	15		N	/A		7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2		N/A			
21'-5"	1 7/8	1.031	CP0630 & CP0647	648	6	3/4	15	1	N	/A		7	5	7 1/2	7 1/2		N	I/A			N	I/A	~	
22'-5"	2	1.156	CP0630 & CP0647	648	5	3/4	14		N	/A		7	5	7 1/2	7 1/2		N	I/A			٨	I/A		
23'-5"	2 1/8	1.281	CP0630 & CP0647	648	5	3/4	14	1	N	/A		7	5	7 1/2	7 1/2	1	N	I/A			ħ	I/A		
24'-5"	2 3/8	1.531	CP0630 & CP0647	648	5	3/4	13		N	/A		7	5	7 1/2	7 1/2		N	I/A			N	I/A		
25'-5"	2 1/2	1.656	CP0630 & CP0647	648	5	3/4	13		N	/A	1.21	1000	N	I/A				N/A			N	I/A		
26'-5"	2 1/2	1.656	CP0630 & CP0647	648	5	3/4	12		N	/A		1	N	I/A		12000	P	V/A			N/A			

						CP0001	/CP0651 - 0	0.0296/0.02	20 Minimum	Thicknes	ss Galvanized	d or Stainles	ss Steel - 70 PS	F, Cont.	-					
						Filled CMU						Steel (Wa	all anchors are	the same of fasteners)	liameter as	assembly	100	Superimpo	sheel base	
DBG	1	Hilti K	wik Bolt 3	1.71		Simpson S	trong-Bolt 2	2	Through Bolt			w	elded	ded Through Bolt		ped				
Ир 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"	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
6'-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	228	0	225
7'-5"	9	3/4	4 3/8	5 3/4		N	I/A		8	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	263	0	260
8'-5"	8	3/4	4 3/8	5 3/4	1280	N	I/A		7	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	298	0	295
15'-5"	10000		N/A			N/A				5/8	6 7/8	16	11/16 x 7/8	16	9	5/16	2234	544	2193	545
16'-5"			N/A		1	N/A				3/4	7 1/2	33	13/16 x 1	33	18	3/8	2457	580	2405	580
17'-5"			N/A			N	I/A		8	3/4	7 1/2	31	13/16 x 1	31	16	3/8	2651	615	2603	616
18'-5"			N/A		1	N	I/A	-	8	3/4	7 1/2	29	13/16 x 1	29	15	3/8	2837	651	2793	651
19'-5"	1		N/A			N	I/A		7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	2866	685	2826	685
20'-5"			N/A			N	I/A	1000	7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	2917	719	2881	720
21'-5"			N/A		1	N	I/A		7	3/4	7 1/2	27	13/16 x 1	27	15	3/8	2981	753	2950	754
22'-5"		1	N/A			N	I/A		7	3/4	7 1/2	26	13/16 x 1	26	14	3/8	3055	788	3026	788
23'-5"	1.000		N/A			N	I/A		7	3/4	7 1/2	26	13/16 x 1	26	14	3/8	3134	822	3108	823
24'-5"			N/A	-		N	I/A		7	3/4	7 1/2	26	13/16 x 1	26	14	3/8	3062	855	3041	856
25'-5"			N/A	-		1	I/A		1	N/A	-	25	13/16 x 1	25	14	3/8	3157	890	3139	891
26'-5"	-		N/A		1	1	I/A			N/A	1	24	13/16 x 1	24	13	3/8	3390	925	3371	926





ELMWOOD AVE 1901 S. JNTAINTOP, PA GOO	LITCHFIELD RD DYEAR, AZ	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 LES = +/- 1/2 DEG				
RATION	DRAWN BY: TJE	SIZE:	SCALE: SHEET: AS NOTED 41/58				
EEL DOOR MPACT RATED	DWG NO: ES	-16-65-CIW					

REVISION	DATE	BY	E.C.O.
	10/20/14	TJE	1615
DLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

L'TR	REVISION	DATE	BY	E.C.O
*	ORIGINAL ISSUE	10/20/14	TJE	1615
А	REMOVED SPECIFIC ENDLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
В	REVISED BOTTOM BAR DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027



1.5



L'TR

* ORIGINAL ISSUE
A REMOVED SPECIFIC END
B REVISED BOTTOM BAR D

-												_	C	P0001/CP065	51 - 0.040	5/0.0220 Min	nimum Thic	kness Galv	vanized or 5	Stainless Ste	el - 20 PSF,	Cont.			-			1							
1					100	Filled CM	U									C	racked Cond	rete Minin	mum 3,000 l	PSI Compre	ssive Streng	gth					Steel (Wall anchors are the same diameter as assembly fasteners)						Superimpo	osed Loads	
DBG		Hilti Kw	ik Bolt 3			Simpson S	Strong-Bolt 2		1	Through Bo	lt		Hi	lti Kwik Bolt	TZ		-	Simp	pson Strong-	-Bolt 2			ITW	Redhead Tru	ubolt+		w	elded	Through Bolt	Та	oped		Superimpo	Seu coaus	
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.	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 (-)
5'-5"	9	3/8	1 5/8	5 3/4	15	3/8	2 5/8	5 3/4	36	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	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	55	0	55
6'-5"	18	3/8	2 1/2	5 3/4	12	3/8	2 5/8	5 3/4	32	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	19	3/8	2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	65	0	65
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
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
9'-5"	12	3/8	2 1/2	5 3/4	8	3/8	2 5/8	5 3/4	22	3/8	5 3/4	22 3/4	3/8	2 5/16	4	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	3/8	2	5	5 3/4	36	7/16 x 5/8	36	36	3/16	0	95	0	95
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
11'-5"	10	3/8	2 1/2	5 3/4	8	1/2	3 1/2	5 3/4	18	3/8	5 3/4	7 1/8	3/8	2 5/16	5	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	10 5/16	3/8	2	5	5 3/4	36	7/16 x 5/8	36	36	3/16	0	115	0	115
12'-5"	9	3/8	2 1/2	5 3/4	8	1/2	3 1/2	5 3/4	16	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	125	0	125
13'-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	1/2	3 5/8	б	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	135	0	135
14'-5"	8	3/8	2 1/2	5 3/4	13	3/4	5 1/4	5 3/4	14	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	22 3/4	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	145	0	145
15'-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	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	12 5/8	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	155	0	155
16'-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	22 3/4	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	28 1/2	1/2	3 3/4	8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	165	0	165
17'-5"	9	3/4	3 1/4	5 3/4	11	3/4	5 1/4	5 3/4	12	3/8	5 3/4	36	1/2	3 5/8	8	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	19	1/2	3 3/4	8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	175	0	175
18'-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	1/2	3 5/8	8	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	10 5/16	1/2	3 3/4	8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	185	0	185
19'-5"	8	3/8	2 1/2	5 3/4	13	3/4	5 1/4	5 3/4	14	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	19	1/2	2 1/2	4	5 3/4	29	7/16 x 5/8	29	19	3/16	359	195	345	195
20'-5"	8	3/4	3 1/4	5 3/4	9	3/4	5 1/4	5 3/4	10	3/8	5 3/4	36	1/2	3 5/8	8	5 3/4	28 1/2	1/2	3 7/8	6	5 3/4	16 1/4	1/2	3 3/4	8	5 3/4	21	7/16 x 5/8	21	14	3/16	502	205	489	205
21'-5"	10	3/4	4 3/8	5 3/4	8	3/4	5 1/4	5 3/4	8	3/8	5 3/4	36	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	17	7/16 x 5/8	17	11	3/16	637	215	625	215
22'-5"	8	3/4	4 3/8	5 3/4		1	N/A		7	3/8	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	14	7/16 x 5/8	14	9	3/16	768	225	756	225
23'-5"		N	/A			1	N/A	in a second	6	3/8	5 3/4			N/A					N/A				-	N/A			12	7/16 x 5/8	12	8	3/16	894	235	883	235
24'-5"	10	3/4	4 3/8	6 13/16	8	3/4	5 1/4	6 13/16	17	1/2	6 13/16	36	3/4	5 9/16	8	6 13/16	19	3/4	4 1/8	6 3/4	6 13/16	22 3/4	3/4	4 3/8	7	6 13/16	36	9/16 x 3/4	36	20	1/4	680	244	673	245
25'-5"	9	3/4	4 3/8	6 13/16		1	N/A		15	1/2	6 13/16	36	3/4	5 9/16	8	6 13/16	36	3/4	5 3/4	8 3/4	6 13/16	28 1/2	3/4	4 3/8	8	6 13/16	31	9/16 x 3/4	31	17	1/4	781	254	774	255
26'-5"	8	3/4	4 3/8	6 13/16		1	N/A	-	13	1/2	6 13/16	36	3/4	5 9/16	8	6 13/16	36	3/4	5 3/4	8 3/4	6 13/16			N/A			28	9/16 x 3/4	28	15	1/4	879	264	872	265
27'-5"	-	N	/A				N/A		12	1/2	6 13/16			N/A					N/A		*			N/A			24	9/16 x 3/4	24	13	1/4	1011	274	1004	275
28'-5"		N	/A				N/A		11	1/2	6 13/16		-	N/A					N/A		_			N/A			22	9/16 x 3/4	22	12	1/4	1108	285	1101	285
29'-5"		N	/A		-		N/A		10	1/2	6 13/16			N/A					N/A					N/A			20	9/16 x 3/4	20	11	1/4	1204	295	1197	295
30'-5"		N	/A				N/A		9	1/2	6 13/16			N/A					N/A					N/A			19	9/16 x 3/4	19	10	1/4	1299	305	1292	305
31'-5"		N	/A			3	N/A		8	1/2	6 13/16			N/A	-				N/A					N/A			17	9/16 x 3/4	17	9	1/4	1394	315	1387	315
32'-5"		N	/A			1	N/A		8	1/2	6 13/16			N/A					N/A					N/A			16	9/16 x 3/4	16	9	1/4	1488	325	1482	325
33'-5"		N	/A			1	N/A		10	5/8	6 7/8			N/A					N/A				-	N/A			23	11/16 x 7/8	23	13	5/16	1582	335	1576	336
34'-5"		N	/A	_		- 1	N/A		10	5/8	6 7/8			N/A					N/A					N/A			22	11/16 x 7/8	22	12	5/16	1677	345	1670	346
35'-5"		N	/A			1	N/A		9	5/8	6 7/8			N/A					N/A					N/A			21	11/16 x 7/8	21	11	5/16	1771	355	1764	356
36'-5"		N	/A				N/A		9	5/8	6 7/8		N/A				1		N/A			1		N/A			20	11/16 x 7/8	20	11	5/16	1866	365	1859	366
37'-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	1960	375	1954	376		
38'-5"		N	/A			1	N/A		8	5/8	6 7/8		N/A					N/A			N/A			18	11/16 x 7/8	18	10	5/16	2056	386	2049	386			
39'-5"		N	/A				N/A		8	5/8	6 7/8			N/A					N/A					N/A			17	11/16 x 7/8	17	9	5/16	2151	396	2144	397
40'-5"		N	/A				N/A		12	3/4	7 1/2			N/A					N/A					N/A			36	13/16 x 1	36	24	3/8	1848	405	1842	405

58299 STATE SIONAL E IN ONAL ENIN



REVISION	DATE	BY	E.C.O.
	10/20/14	TJE	1615
DLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

L'TR	
*	ORIGINAL ISSUE
A	REMOVED SPECIFIC ENI
В	REVISED BOTTOM BAR

							CPOO	01/CP0651	- 0.0405/0.	0220 Minin	mum Thickne									-							
_	1					1					Concret	e Minimun			Strength (A	nchors are			assembly fa	steners)		day Dalt					
DBG	Windlock Flat	Slip	Windlock	Guide	Windlock Weld	Assembly Fastener	Assembly Fastener		Hilti Kw	ik Bolt 3	1		1	Wedge All	-		Red Head	Min. Wall			Powers W		1				
Јр То	Location	Sub	WINDICK	Assembly	Pitch	Diameter		Max O.C.	Embed	Min. Wal Thick.	Edge Dist	Max O.C.	Embed	Thick.	Edge Dist	Max O.C.	Embed	Thick.	Edge Dist	Max O.C.	Embed	Thick.	Edge Dist				
5'-5"	N/A	N/A	CP0407	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	25	2 5/8	3 15/16	5 3/4	26	3	4 1/2	5 3/4	20	2	3	5 3/4				
6'-5"	N/A	N/A	CP0407	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				
7'-5"	N/A	N/A	CP0407	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	3	5 3/4				
8'-5"	N/A	N/A	CP0407	344*	N/A	3/8	24	36	2 3/8	4	5 3/4	16	2 5/8	3 15/16	5 3/4	17	3	4 1/2	5 3/4	13	2	3	5 3/4 5 3/4				
9'-5" .0'-5"	N/A N/A	N/A N/A	CP0407 CP0407	344* 344*	N/A N/A	3/8	24	36 36	2 3/8 2 3/8	4	5 3/4 5 3/4	14 13	2 5/8	3 15/16 3 15/16	5 3/4 5 3/4	15	3	4 1/2 4 1/2	5 3/4 5 3/4	10	2	3	5 3/4				
1'-5"	N/A	N/A	CP0407	344*	N/A	3/8	24	22	2 3/8	4	5 3/4	13	2 5/8	3 15/16	5 3/4	12	3	4 1/2	5 3/4	9	2	3	5 3/4				
2'-5"	N/A	N/A	CP0407	344*	N/A	3/8	24	9	2 3/8	4	5 3/4	11	2 5/8	3 15/16	5 3/4	11	3	4 1/2	5 3/4	8	2	3	5 3/4				
3'-5"	N/A	N/A	CP0407	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	8	2	3	5 3/4				
4'-5"	N/A	N/A	CP0407	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	7	2	3	5 3/4				
5'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	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	7	2	3	5 3/4				
6'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	36	2 3/8	4	5 3/4	17	2 5/8	3 15/16	5 3/4	18	3	4 1/2	5 3/4	11	2	3	5 3/4				
.7'-5"	1 1/2	0.719	CP0629	344	12	3/8	17	14	2 3/8	5	5 3/4	11	2 5/8	3 15/16	5 3/4	11	3	4 1/2	5 3/4	6	2	3	5 3/4				
8'-5"	1 1/2	0.719	CP0629	344	12	3/8	13	-		/A /A		8	2 5/8	3 15/16 3 15/16	5 3/4 5 3/4	8	3	4 1/2	5 3/4 5 3/4	5	2 2 1/2	3 3/4	5 3/4 5 3/4				
.9'-5" !0'-5"	1 1/2	0.719	CP0629 CP0629	344 445	11 12	3/8	11 18	36	3 5/8	/A 6	6 13/16	6 17	4 1/2	6 3/4	6 13/16	13	4 1/8	6 3/16	6 13/16	7	2 1/2	3 3/4	6 13/16				
1'-5"	2	1.219	CP0629	445	11	1/2	18	36	3 5/8	6	6 13/16	14	4 1/2	6 3/4	6 13/16	11	4 1/8	6 3/16	6 13/16	6	2 1/2	3 3/4	6 13/16				
2'-5"	2	1.156	CP0630	445	10	1/2	17	36	3 5/8	8	6 13/16	12	4 1/2	6 3/4	6 13/16	9	4 1/8	6 3/16	6 13/16	8	3 1/2	5 1/4	6 13/16				
3'-5"	2	1.156	CP0630	445	9	1/2	15	19	3 5/8	8	6 13/16	10	4 1/2	6 3/4	6 13/16	8	4 1/8	6 3/16	6 13/16	7	3 1/2	5 1/4	6 13/16				
4'-5" 25'-5"	2	1.156	CP0630 CP0630	445 445	9	1/2 1/2	14 13			/A /A		9	4 1/2 4 1/2	6 3/4 6 3/4	6 13/16 6 13/16	7	4 1/8 4 1/8	6 3/16 6 3/16	6 13/16 6 13/16	6	3 1/2 4	5 1/4 6	6 13/16 6 13/16				
6'-5"	2	1.156	CP0630	446	8	5/8	18	1		/A		10	4 1/2	6 3/4	6 7/8			/A.		9	5	7 1/2	6 7/8				
7'-5"	2	1.156	CP0630	446	8	5/8	18		N	/A		9	4 1/2	6 3/4	6 7/8		N	/A		8	5	7 1/2	6 7/8				
28'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	16		N	/A		9	4 1/2	6 3/4	6 7/8		N	/A	_	8	5	7 1/2	6 7/8				
29'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	15		N	/A		8	4 1/2	6 3/4	6 7/8			/A		7	5	7 1/2	6 7/8				
30'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	15		-	/A	1	8	4 1/2	6 3/4	6 7/8		-	/A	1 7 1/2			/A.					
31'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18	28	5 5/8	8 I/A	7 1/2	12	5	7 1/2	7 1/2	13	6 5/8	9 15/16 9 15/16	7 1/2	-		/A /A					
32'-5" 33'-5"	2 1/2 2 1/2	1.656	CP0630 & CP0647 CP0630 & CP0647	548 548	7	3/4	18			1/A		10	5	7 1/2	7 1/2	11	6 5/8	9 15/16	7 1/2			1/A					
34'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18			1/A		10	5	7 1/2	7 1/2	11	6 5/8	9 15/16	7 1/2			I/A					
35'-5"	2 1/2	1.656	CP0630 & CP0647	548	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	1				
36'-5"	2 1/2	1.656	CP0630 & CP0647	548	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					
37'-5"	2 1/2	1.656	CP0630 & CP0647	548	6	3/4	17	_	N	I/A		8	5	7 1/2	7 1/2	9	6 5/8	9 15/16	7 1/2		N	I/A					
38'-5"	2 1/2	1.656	CP0630 & CP0647	548	6	3/4	17		-	I/A		8	5	7 1/2	7 1/2	8	6 5/8	9 15/16	7 1/2			I/A					
39'-5" 40'-5"	2 1/2 2 1/2	1.656	CP0630 & CP0647 CP0630 & CP0647	648 648	6	3/4	16			I/A I/A	_	8	5	7 1/2	7 1/2	6	6 5/8 6 5/8	9 15/16 9 15/16	7 1/2			I/A					
		1000		0.0						high	/																
								"""* PROT	ST	ATE (299 5/1/20 DF	LEY * 4		C	DI	R	novative	e door sol	utions."	MOUN ⁷ P: 800. F: 800.	CAINTO 233.836 526.084	P, PA 6		TCHFIELD RE YEAR, AZ	dimensi to 0.0 FRACT	otherwise s ons are in i lerances at 00 = +/- 0. TONAL = - ES = +/- 1/	nches & e: 031 -/- 1/32
								Inn	SSIO	VALE	NGIN	in the second se	Ī	TTLE:					NFIC	GUR		N	C	TJE	SIZE:	SCALE: AS NOTED	100 million (100 million)



.



REVISION	DATE	BY	E.C.O.
	10/20/14	TJE	1615
DLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027
	1	1	

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/20/14	TJE	1615
A	REMOVED SPECIFIC ENDLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
В	REVISED BOTTOM BAR DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

															a	• 1.1	nimum Thic										0. 1000			P					
				-	- I	Filled CMU	U									C	racked Conc	rete Minir	mum 3,000 l	PSI Compre	ssive Streng	gth	_				Steel (Wa	all anchors are f	the same (asteners)	liameter as	assembly		Superimpo	used Loads	
DBG		Hilti Kw	ik Bolt 3			Simpson S	Strong-Bolt	2	1	Through Bo	lt		Hi	ti Kwik Bolt	TZ			Simp	oson Strong-	Bolt 2			ITW	Redhead Tr	ubolt+		w	elded	Through Bolt	Та	pped		ooperinipe		
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 (-)
5'-5"	14	3/8	2 1/2	5 3/4	10	3/8	2 5/8	5 3/4	25	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	83	0	82
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
7'-5"	10	3/8	2 1/2	5 3/4	9	1/2	3 1/2	5 3/4	18	3/8	5 3/4	10 5/16	3/8	2 5/16	5	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	14 1/4	3/8	2	5	5 3/4	36	7/16 x 5/8	36	36	3/16	0	113	0	112
8'-5"	9	3/8	2 1/2	5 3/4	15	3/4	5 1/4	5 3/4	16	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	128	0	127
9'-5"	8	3/8	2 1/2	5 3/4	13	3/4	5 1/4	5 3/4	14	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	28 1/2	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	143	0	142
10'-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	28 1/2	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	10 5/16	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	158	0	157
11'-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	16 1/4	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	22 3/4	1/2	3 3/4	8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	173	0	172
12'-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	1/2	3 5/8	8	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	3/4	4 3/8	7	5 3/4	36	7/16 x 5/8	36	36	3/16	0	188	0	187
13'-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	28 1/2	1/2	3 5/8	8	5 3/4	22 3/4	1/2	3 7/8	6	5 3/4	36	3/4	4 3/8	7	5 3/4	36	7/16 x 5/8	36	36	3/16	0	203	0	202
14'-5"	11	3/4	4 3/8	5 3/4	9	3/4	5 1/4	5 3/4	9	3/8	5 3/4	14 1/4	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	7/16 x 5/8	36	36	3/16	0	218	0	217
15'-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	22 3/4	1/2	3 5/8	8	5 3/4	19	1/2	3 7/8	6	5 3/4	36	3/4	4 3/8	7	5 3/4	36	7/16 x 5/8	36	36	3/16	38	233	14	232
16'-5"	10	3/8	2 1/2	5 3/4	8	1/2	3 1/2	5 3/4	17	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	24	3/16	268	248	246	247
17'-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	1/2	3 5/8	8	5 3/4	28 1/2	1/2	3 7/8	6	5 3/4	16 1/4	1/2	3 3/4	8	5 3/4	22	7/16 x 5/8	22	14	3/16	481	263	461	262
18'-5"	9	3/4	4 3/8	5 3/4		N	N/A		8	3/8	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	15	7/16 x 5/8	15	10	3/16	680	278	662	277
19'-5"	and a	N/	A			N	N/A		6	3/8	5 3/4			N/A		and the	36	3/4	5 3/4	8 3/4	5 3/4			N/A	-		12	7/16 x 5/8	12	8	3/16	870	293	853	292
20'-5"	10	3/4	4 3/8	6 13/16	8	3/4	5 1/4	6 13/16	17	1/2	6 13/16	36	3/4	5 9/16	8	6 13/16	36	3/4	5 3/4	8 3/4	6 13/16	22 3/4	3/4	4 3/8	7	6 13/16	-	9/16 x 3/4	36	20	1/4	663	306	652	307
21'-5"	8	3/4	4 3/8	6 13/16			N/A		14	1/2	6 13/16	36	3/4	5 9/16	8	6 13/16	36	3/4	5 3/4	8 3/4	6 13/16		-	N/A			30	9/16 x 3/4	30	17	1/4	811	321	801	322
22'-5"		N/	A		-	N	N/A		12	1/2	6 13/16			N/A					N/A			1		N/A			25	9/16 x 3/4	25	13	1/4	994	336	984	337
23'-5"		N/					N/A		10	1/2	6 13/16			N/A			-		N/A					N/A			21	9/16 x 3/4	21	12	1/4	1136	351	1127	352
24'-5"		N,			-		N/A		9	1/2	6 13/16			N/A	200	-			N/A			-		N/A		_	19	9/16 x 3/4	19	10	1/4	1276	366	1266	367
25'-5"		N/	A			N	N/A		8	1/2	6 13/16			N/A				-	N/A					N/A			17	9/16 x 3/4	17	9	1/4	1413	382	1403	382
26'-5"		N/	4.C				N/A		10	5/8	6 7/8			N/A					N/A			1		N/A			24	11/16 x 7/8		13	5/16	1548	397	1539	397
27'-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	1683	412	1674	413
28'-5"		N/			-		N/A		9	5/8	6 7/8			N/A					N/A			-		N/A			20	11/16 x 7/8		11	5/16	1817	427	1807	428
29'-5"		N/	w				N/A		8	5/8	6 7/8	-		N/A					N/A					N/A			19	11/16 x 7/8		10	5/16	1950	442	1941	443
30'-5"		N/			-		N/A		8	5/8	6 7/8			N/A		-			N/A			-		N/A		00000	18	11/16 x 7/8	-	10	5/16	2084	457	2074	458
31'-5"		N)			-		N/A		12	3/4	7 1/2	-		N/A					N/A			-		N/A			36	13/16 x 1	36	24	3/8	1806	471	1797	472
32'-5"	-	N,	<u></u>	-			N/A		11	3/4	7 1/2			N/A			-		N/A	_		-		N/A			36	13/16 x 1	36	23	3/8	1920	486	1911	487
33'-5"		N,					N/A		10	3/4	7 1/2		-	N/A					N/A					N/A			36	13/16 x 1	36	22	3/8	2034	501	2025	502
34'-5"		N,			-		N/A		10	3/4	7 1/2			N/A			-		N/A			-		N/A	-		36	13/16 x 1	36	20	3/8	2149	517	2140	517
35'-5"		N,	1.5	-			N/A		9	3/4	7 1/2			N/A	-				N/A			-	_	N/A			36	13/16 x 1	36	19	3/8	2264	532	2255	532
36'-5"		N,			-		N/A		9	3/4	7 1/2		_	N/A					N/A				-	N/A		-	34	13/16 x 1	34	18	3/8	2380	547 562	2371 2487	547
37'-5"		N,					N/A		8	3/4	7 1/2		-	N/A			-		N/A			-		N/A			33	13/16 x 1	33	18	3/8	2496	562	2487	563
38'-5"		N					N/A		8	3/4	7 1/2			N/A			-		N/A					N/A			31	13/16 x 1	31	17	3/8	2613			5/8
39'-5" 40'-5"		N,	/A /A				N/A N/A		8	3/4	7 1/2			N/A N/A			-		N/A N/A					N/A N/A			30	13/16 x 1 13/16 x 1	30 29	16	3/8	2730 2848	593 608	2721 2839	608





L'TR	
*	ORIGINAL ISSUE
А	REMOVED SPECIFIC EN
В	REVISED BOTTOM BAR

							_								220 Minin	- 0.0405/0.0	01/CP0651	CPOO							
			day Dala	Designed		ssembly fas			nchors are	Strength (A			e Minimum	Concret											-
		Edge Dist	Min. Wall	Powers W Embed		Edge Dist	Min. Wall	Red Head	Maxoc	Edge Dist	Min. Wall	Simpson Embed	Max O C	Edge Dist	Min. Wall	Hilti Kwil	Max O.C.	Assembly Fastener	Fastener	Windlock Weld	Guide Assembly	Windlock	Slip	Windlock Flat	DBG Up To
	-	5 3/4	Thick.	2	15	5 3/4	Thick. 4 1/2	3	19		Thick. 3 15/16	2 5/8	19	5 3/4	Thick.	2 3/8	36	Spacing 24	Diameter 3/8	Pitch N/A	344*	N/A	N/A	Location N/A	5'-5"
		5 3/4	3	2	12	5 3/4	4 1/2	3	16		3 15/16	2 5/8	15	5 3/4	4	2 3/8	36	24	3/8	N/A	344*	N/A	N/A	N/A	6'-5"
	1	5 3/4	3	2	11	5 3/4	4 1/2	3	14		3 15/16	2 5/8	14	5 3/4	4	2 3/8	36	24	3/8	N/A	344*	N/A	N/A	N/A	7'-5"
		5 3/4	3	2	9	5 3/4	4 1/2	3	12	5 3/4	3 15/16	2 5/8	12	5 3/4	4	2 3/8	22	24	3/8	N/A	344*	N/A	N/A	N/A	8'-5"
		5 3/4	3	2	8	5 3/4	4 1/2	3	11	5 3/4	3 15/16	2 5/8	11	5 3/4	4	2 3/8	8	24	3/8	N/A	344*	N/A	N/A	N/A	9'-5"
		5 3/4	3	2	7	5 3/4	4 1/2	3	10		3 15/16	2 5/8	10	5 3/4	5	2 3/8	7	24	3/8	N/A	344*	N/A	N/A	N/A	10'-5"
	-	5 3/4	3	2	7	5 3/4	4 1/2	3	9		3 15/16	2 5/8	9	_		N/		24	3/8	N/A	344*	N/A	N/A	N/A	11'-5"
	-	5 3/4 5 3/4	3 3/4	2 2 1/2	6 12	5 3/4 5 3/4	4 1/2 4 1/2	3	8	5 3/4	3 15/16	2 5/8	8	5 3/4		N/	36	24	3/8	N/A	344*	N/A	N/A 0.594	N/A 1 3/8	12'-5" 14'-5"
		5 3/4	3 3/4	2 1/2	7	5 3/4	4 1/2	3	15	5 3/4 5 3/4	3 15/16 3 15/16	2 5/8	15	5 3/4	4	2 3/8	36 19	18 18	3/8	12	344 344	CP0629 CP0629	0.594	1 3/8	14 -5
	1	5 3/4	3	2	5	5 3/4	4 1/2	3	8	5 3/4		2 5/8	8	5 5/4		2 5/0 N/	19	10	3/8	12	344	CP0629	0.719	1 1/2	16'-5"
		6 13/16	3 3/4	2 1/2	7	6 13/16		4 1/8	13	6 13/16	6 3/4	4 1/2	17	6 13/16	6	3 5/8	36	18	1/2	12	445	CP0629	0.969	1 3/4	17'-5"
	1	6 13/16	3 3/4	2 1/2	7	6 13/16	6 3/16	4 1/8	12	6 13/16	6 3/4	4 1/2	15	6 13/16	6	3 5/8	36	18	1/2	12	445	CP0629	1.219	2	18'-5"
]	6 13/16	5 1/4	3 1/2	8	6 13/16	6 3/16	4 1/8	10	6 13/16	6 3/4	4 1/2	12	6 13/16	6	3 5/8	22	18	1/2	11	445	CP0629	1.219	2	19'-5"
		6 13/16	5 1/4	3 1/2	7	6 13/16	6 3/16	4 1/8	8	6 13/16	6 3/4	4 1/2	10		4	N/		15	1/2	9	445	CP0630	1.156	2	20'-5"
	1	6 13/16	5 1/4	3 1/2	6	6 13/16	6 3/16	4 1/8	7	6 13/16	6 3/4	4 1/2	9			N/.		13	1/2	9	445	CP0630	1.156	2	21'-5"
	-	6 7/8	7 1/2	5	9			N		6 7/8	6 3/4	4 1/2	11		-	N/.	-	18	5/8	8	446	CP0630	1.156	2	22'-5"
	-	6 7/8	7 1/2	5	8			N		6 7/8	6 3/4	4 1/2	9	-		N/		17	5/8	8	546	CP0630	1.156	2	23'-5"
		6 7/8	7 1/2	5 N	8			N		6 7/8	6 3/4	4 1/2	9	-		N/.		16	5/8	7	546	CP0630 & CP0647	1.156	2	24'-5"
	-			N		7 1/2	9 15/16	6 5/8	13	6 7/8 7 1/2	6 3/4 7 1/2	4 1/2 5	8	7 1/2	8	N/ 5 5/8	28	15 18	5/8 3/4	7	546 548	CP0630 & CP0647 CP0630 & CP0647	1.156	2 2 1/2	25'-5" 26'-5"
	1			N		7 1/2	9 15/16	6 5/8	13	7 1/2	7 1/2	5	12	/ 1/2	-	5 5/8 N/	20	18	3/4	7	548	CP0630 & CP0647 CP0630 & CP0647	1.656	2 1/2	20-5
	1			N		7 1/2	9 15/16	6 5/8	11	7 1/2	7 1/2	5	10			N/		18	3/4	7	548	CP0630 & CP0647	1.656	2 1/2	28'-5"
	1		A	N		7 1/2	9 15/16	6 5/8	10	7 1/2	7 1/2	5	9	-	-	N/	-	18	3/4	7	548	CP0630 & CP0647	1.656	2 1/2	29'-5"
			A	N		7 1/2	9 15/16	6 5/8	10	7 1/2	7 1/2	5	9	-	A	N/		18	3/4	6	548	CP0630 & CP0647	1.656	2 1/2	30'-5"
				N		7 1/2	9 15/16	6 5/8	9	7 1/2	7 1/2	5	8		A	N/		17	3/4	6	548	CP0630 & CP0647	1.656	2 1/2	31'-5"
	4			N		7 1/2	9 15/16	6 5/8	7	7 1/2	7 1/2	5	8			N/		16	3/4	6	648	CP0630 & CP0647	1.656	2 1/2	32'-5"
	-			N		7 1/2	9 15/16	6 5/8	6	7 1/2	7 1/2	5	7			N/		15	3/4	6		CP0630 & CP0647	1.656	2 1/2	33'-5"
	-			N			/A			7 1/2	7 1/2	5	7			N/		14	3/4	6		CP0630 & CP0647	1.656	2 1/2	34'-5"
	-			N			/A /A	N		7 1/2	7 1/2 /A	5	7			N/	-	14	3/4	5		CP0630 & CP0647	1.656	2 1/2	35'-5" 36'-5"
	-			N			/A				/A					N/	-	13	3/4	5	648 648	CP0630 & CP0647 CP0630 & CP0647	1.656	2 1/2 2 1/2	37'-5"
				N		-	/A				/A		-			N/	-	13	3/4	5	648	CP0630 & CP0647	1.656	2 1/2	38'-5"
														lun,	TRIC	unit PA									
	ITCHFIELD RD DYEAR, AZ		P, PA	AINTO 33.836 26.084	OUNT 800.2 800.5	tions. [™] F	door solu	novative	2	DF	C		MANAGERICA	401 E	5829 * \$	No STAT	HINS * PROF								
E B ASNO	DRAWN BY: TJE DWG NO:					NFIG						Т		NGI III	ALE	SSION	1111								



.

-



REVISION	DATE	BY	E.C.O.
	10/20/14	TJE	1615
DLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/20/14	TJE	1615
A	REMOVED SPECIFIC ENDLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
В	REVISED BOTTOM BAR DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

					771.1	Filled CM	U										Cracked Conc	rete Minii	mum 3,000 f	SI Compre	ssive Streng	gth					Steel (W	all anchors are	the same fasteners)	diameter as a	assembly	1.	Superimpo	acad Lands	
DBG		Hilti Kw	ik Bolt 3			Simpson	Strong-Bolt	2		Through Bo	lt		Hi	lti Kwik Bolt	TZ			Simp	oson Strong-	Bolt 2			ITW	Redhead Tr	ubolt+		w	elded	Through Bolt	Тар	ped		Superimpo	ISEO LOBOS	
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 (-)
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	12 5/8	3/8	2 5/16	5	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	16 1/4	3/8	2	5	5 3/4	36	7/16 x 5/8	36	36	3/16	0	110	0	109
6'-5"	9	3/8	2 1/2	5 3/4	15	3/4	5 1/4	5 3/4	16	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	130	0	129
7'-5"	8	3/8	2 1/2	5 3/4	13	3/4	5 1/4	5 3/4	14	3/8	5 3/4	36	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	16 1/4	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	36	3/16	0	150	0	149
8'-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	19	1/2	3 5/8	6	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	22 3/4	1/2	3 3/4	8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	170	0	169
9'-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	1/2	3 5/8	8	5 3/4	36	3/8	2 7/8	4 1/2	5 3/4	36	3/4	4 3/8	7	5 3/4	36	7/16 x 5/8	36	36	3/16	0	190	0	189
10'-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	19	1/2	3 5/8	8	5 3/4	16 1/4	1/2	3 7/8	6	5 3/4	36	3/4	4 3/8	7	5 3/4	36	7/16 x 5/8	36	36	3/16	0	210	0	209
11'-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	3/4	5 9/16	8	5 3/4	22 3/4	3/4	4 1/8	6 3/4	5 3/4	22 3/4	3/4	4 3/8	7	5 3/4	36	7/16 x 5/8	36	36	3/16	0	230	0	229
12'-5"	10	3/4	4 3/8	5 3/4			N/A		8	3/8	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	36	7/16 x 5/8	36	36	3/16	0	250	0	249
14'-5"	8	3/8	2 1/2	5 3/4	13	3/4	5 1/4	5 3/4	15	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	28 1/2	1/2	2 1/2	4	5 3/4	36	7/16 x 5/8	36	26	3/16	245	290	213	289
15'-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	28 1/2	1/2	3 5/8	6	5 3/4	19	1/2	2 3/4	4 1/2	5 3/4	36	1/2	3 3/4	8	5 3/4	26	7/16 x 5/8	26	16	3/16	400	310	373	309
16'-5"	9	3/4	4 3/8	5 3/4			N/A	22.3	8	3/8	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	16	7/16 x 5/8	16	10	3/16	666	330	641	329
17'-5"	10	3/4	4 3/8	6 13/16	1	1	N/A		17	1/2	6 13/16	36	3/4	5 9/16	8	6 13/16	36	3/4	5 3/4	8 3/4	6 13/16	19	3/4	4 3/8	7	6 13/16	36	9/16 x 3/4	36	20	1/4	668	349	651	349
18'-5"	9	3/4	4 3/8	6 13/16		10	N/A		15	1/2	6 13/16	36	3/4	5 9/16	8	6 13/16	36	3/4	5 3/4	8 3/4	6 13/16	28 1/2	3/4	4 3/8	8	6 13/16	35	9/16 x 3/4	35	19	1/4	706	368	693	369
19'-5"		N,	/A			- 0	N/A		12	1/2	6 13/16	22 3/4	3/4	5 9/16	8	6 13/16	36	3/4	5 3/4	8 3/4	6 13/16			N/A			27	9/16 x 3/4	27	15	1/4	899	388	886	389
20'-5"	1	N,	/A				N/A		10	1/2	6 13/16	1		N/A	-			-	N/A				-	N/A		223-1	22	9/16 x 3/4	22	12	1/4	1130	408	1117	409
21'-5"		N,	/A		1		N/A		9	1/2	6 13/16	-		N/A					N/A				_	N/A			18	9/16 x 3/4	18	10	1/4	1313	428	1301	429
22'-5"		N,	/A	-			N/A		11	5/8	6 7/8			N/A					N/A		_		_	N/A	-		25	11/16 x 7/8	25	14	5/16	1492	448	1479	449
23'-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	1667	469	1655	470
24'-5"			/A		1		N/A		9	5/8	6 7/8			N/A					N/A			-		N/A		-	20	11/16 x 7/8		11	5/16	1841	489	1829	490
25'-5"		N,					N/A		8	5/8	6 7/8			N/A	-				N/A				_	N/A	_		18	11/16 x 7/8		10	5/16	2013	509	2001	510
26'-5"			/A				N/A		12	3/4	7 1/2			N/A			1		N/A					N/A			36	13/16 x 1	36	25	3/8	1761	528	1749	528
27'-5"		N,	24				N/A		11	3/4	7 1/2			N/A					N/A					N/A			36	13/16 x 1	36	23	3/8	1907	548	1895	548
28'-5"			/A	and the second			N/A		10	3/4	7 1/2		_	N/A		-			N/A			-		N/A			36	13/16 x 1	36	21	3/8	2053	568	2042	568
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	2199	588	2188	589
30'-5"			/A			_	N/A		9	3/4	7 1/2			N/A			-	-	N/A			-		N/A			34	13/16 x 1	34	19	3/8	2345	608	2334	609
31'-5"			/A	-			N/A		8	3/4	7 1/2			N/A					N/A			-		N/A			32	13/16 x 1	32	17	3/8	2492	629	2480	629
32'-5"			/A				N/A		8	3/4	7 1/2			N/A			-		N/A			-		N/A		-	31	13/16 x 1	31	16	3/8	2639	649	2627	649
33'-5"			/A				N/A		7	3/4	7 1/2	-		N/A			-		N/A					N/A			29	13/16 x 1	29	16	3/8	2787	669	2775	670
34'-5"	-		/A				N/A	_	7	3/4	7 1/2			N/A			-		N/A			-		N/A			28	13/16 x 1	28	15	3/8	2935	689	2924	690
35'-5"			/A		-		N/A		7	3/4	7 1/2			N/A			-	-	N/A	-				N/A			26	13/16 x 1	26	14	3/8	3085	710	3073	710
36'-5"			/A				N/A		13	3/4	0	-		N/A			-		N/A			-		N/A			25	13/16 x 1	25	13	3/8	3235	730	3223	-
37'-5" 38'-5"		14	/A /A				N/A N/A		13	3/4	0			N/A N/A					N/A N/A			-		N/A N/A			24	13/16 x 1 13/16 x 1	24	13	3/8	3387 3539	750	3375 3528	751





L'TR	
*	ORIGINAL ISSUE
A	REMOVED SPECIFIC END
В	REVISED BOTTOM BAR D
-	

		_					CPOO	01/CP0651	0.0405/0.	0220 Minim										_			
	1	I Louis L		1							Concret	te Minimum	3,000 PSI	Compressive	e Strength (A	Anchors are	the same of	diameter as a	assembly fa	steners)			
DBG	Windlock	-	1.	Guide	Windlock	Assembly	Assembly		Hilti Kw	vik Bolt 3		×	Simpson	Wedge All			Red Hear	d Tru-Bolt			Powers V	Vedge-Bolt	
Up To	Flat Location	Slip	Windlock	Assembly	Weld Pitch	Fastener Diameter	Fastener Spacing	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Di
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	12	2	3	5 3/4
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	10	2	3	5 3/
7'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	9	2 3/8	4	5 3/4	11	2 5/8	3 15/16	5 3/4	11	3	4 1/2	5 3/4	8	2	3	5 3/
8'-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	10	3	4 1/2	5 3/4	7	2	3	5 3/
9'-5"	N/A	N/A	N/A	344*	N/A	3/8	24		N	I/A		8	2 5/8	3 15/16	5 3/4	9	3	4 1/2	5 3/4	7	2	3	5 3/-
10'-5"	N/A	N/A	N/A	344*	N/A	3/8	24		N	I/A		8	2 5/8	3 15/16	5 3/4	8	3	4 1/2	5 3/4	6	2	3	5 3/
11'-5"	N/A	N/A	N/A	344*	N/A	3/8	24		N	I/A		7	2 5/8	3 15/16	5 3/4	7	3	4 1/2	5 3/4	5	2	3	5 3/
12'-5"	1 5/16	0.532	CP0629	DC1	12	1/2	18	16	3 1/2	5 1/4	5 3/4	16	4 1/2	6 3/4	5 3/4		N	I/A				I/A	-
14'-5"	1 3/8	0.594	CP0629	344	12	3/8	13		N	I/A		8	2 5/8	3 15/16	5 3/4	8	3	4 1/2	5 3/4	6	2 1/2	3 3/4	53,
15'-5"	1 1/2	0.719	CP0629	344	11	3/8	11		N	I/A		7	2 5/8	3 15/16	5 3/4	7	3	4 1/2	5 3/4	5	2 1/2	3 3/4	53
16'-5"	1 5/8	0.844	CP0629	445	10	1/2	18	22	3 5/8	6	6 13/16	13	4 1/2	6 3/4	6 13/16	10	4 1/8	6 3/16	6 13/16	8	3 1/2	5 1/4	6 13/
17'-5"	1 7/8	1.031	CP0630	445	10	1/2	16	36	3 5/8	8	6 13/16	11	4 1/2	6 3/4	6 13/16	9	4 1/8	6 3/16	6 13/16	8	3 1/2	5 1/4	613/
18'-5"	2	1.156	CP0630	445	9	1/2	14		N	I/A		10	4 1/2	6 3/4	6 13/16	8	4 1/8	6 3/16	6 13/16	7	3 1/2	5 1/4	6 13/
19'-5"	2	1.156	CP0630	445	9	1/2	12		N	I/A		8	4 1/2	6 3/4	6 13/16	7	4 1/8	6 3/16	6 13/16	7	4	6	6 13/
20'-5"	2	1.156	CP0630	446	8	5/8	18		N	I/A		10	4 1/2	6 3/4	6 7/8		N	I/A		9	5	7 1/2	67,
21'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	16		N	I/A	-	9	4 1/2	6 3/4	6 7/8		N	I/A		8	5	7 1/2	67,
22'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	14		N	I/A		8	4 1/2	6 3/4	6 7/8		N	N/A	-	-		N/A	_
23'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18	28	5 5/8	8	7 1/2	11	5	7 1/2	7 1/2	13	6 5/8	9 15/16	7 1/2			N/A	
24'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18		N	N/A		10	5	7 1/2	7 1/2	12	6 5/8	9 15/16	7 1/2			N/A	
25'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18		N	I/A		10	5	7 1/2	7 1/2	11	6 5/8	9 15/16	7 1/2			N/A	
26'-5"	2 1/2	1.656	CP0630 & CP0647	548	6	3/4	18		P	I/A		9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2			N/A	
27'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	17		N	N/A		8	5	7 1/2	7 1/2	8	6 5/8	9 15/16	7 1/2			N/A	
28'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	16		n	A/A	-	8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2			N/A	
29'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	15		1	I/A		7	5	7 1/2	7 1/2	5					N/A		
30'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	14		1	N/A		7	5	7 1/2	7 1/2		N	N/A				N/A	
31'-5"	2 1/2	1.656	CP0630 & CP0647	648	5	3/4	13	*	P	N/A				N/A			P	N/A		1		N/A	
32'-5"	2 1/2	1.656	CP0630 & CP0647	648	5	3/4	13		1	N/A			1	N/A			n	N/A			1	N/A.	





REVISION	DATE	BY	E.C.O.
	10/20/14	TJE	1615
DLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/20/14	TJE	1615
A	REMOVED SPECIFIC ENDLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
В	REVISED BOTTOM BAR DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

						Filled CMU	J					Steel (Wa	all anchors are	the same of fasteners)	liameter as	assembly		Superimpo	nser
DBG	1	Hilti Kw	vik Bolt 3	-		Simpson S	trong-Bolt 2	2	т	hrough Bo	olt	w	elded	Through Bolt	Тар	ped		Supermp	Jaco
Úp 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 (+)	,
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	
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	
7'-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	188	
8'-5"	11	3/4	4 3/8	5 3/4	9	3/4	5 1/4	5 3/4	9	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	213	
9'-5"	10	3/4	4 3/8	5 3/4	8	3/4	5 1/4	5 3/4	8	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	238	
10'-5"	9	3/4	4 3/8	5 3/4		N	I/A	-	8	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	263	
11'-5"	8	3/4	4 3/8	5 3/4		N	I/A		7	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	288	
12'-5"	8	1/2	3 1/2	5 3/4	8	1/2	4 1/2	5 3/4		N/A		18	9/16 X 3/4	18	18	1/4	0	313	
14'-5"	10	3/4	4 3/8	5 3/4		N	I/A		8	3/8	5 3/4	17	7/16 x 5/8	17	11	3/16	607	363	
15'-5"	8	3/4	4 3/8	5 3/4		N	I/A		7	3/8	5 3/4	14	7/16 x 5/8	14	9	3/16	762	387	
16'-5"		N	/A			N	N/A N/A		13	1/2	6 13/16	27	9/16 x 3/4	27	15	1/4	905	411	
17'-5"	1100	N	/A		-	N	I/A	-	11	1/2	6 13/16	25	9/16 x 3/4	25	14	1/4	984	436	
18'-5"		N	/A			N	N/A		10	1/2	6 13/16	22	9/16 x 3/4	22	12	1/4	1117	460	
19'-5"		N	/A			N	I/A		8	1/2	6 13/16	18	9/16 x 3/4	18	10	1/4	1343	485	
20'-5"		N	/A			N	I/A		10	5/8	6 7/8	24	11/16 x 7/8	24	13	5/16	1563	510	
21'-5"		N	/A			N	I/A		9	5/8	6 7/8	21	11/16 x 7/8	21	11	5/16	1778	535	1
22'-5"		N	/A			N	I/A		8	5/8	6 7/8	18	11/16 x 7/8	18	10	5/16	1989	561	
23'-5"		N	/A			N	I/A		11	3/4	7 1/2	36	13/16 x 1	36	25	3/8	1757	585	
24'-5"		N	/A		1.000	N	I/A	1	10	3/4	7 1/2	36	13/16 x 1	36	22	3/8	1936	610	
25'-5"		N	/A	_		N	A/A		10	3/4	7 1/2	36	13/16 x 1	36	21	3/8	2113	635	
26'-5"		N	/A			N	I/A		9	3/4	7 1/2	35	13/16 x 1	35	19	3/8	2290	660	
27'-5"		N	I/A			N	N/A	-	8	3/4	7 1/2	33	13/16 x 1	33	18	3/8	2467	685	
28'-5"	1	N	I/A			n	N/A		8	3/4	7 1/2	30	13/16 x 1	30	16	3/8	2643	710	
29'-5"		N	I/A		1	0	N/A	· · · ·	7	3/4	7 1/2	29	13/16 x 1	29	15	3/8	2821	736	
30'-5"		N	I/A			N	N/A		7	3/4	7 1/2	27	13/16 x 1	27	14	3/8	2999	761	
31'-5"		N	I/A	-	1	P	N/A		14	3/4	0	25	13/16 x 1	25	14	3/8	3178	786	
32'-5"		N	I/A			N	N/A		13	3/4	0	24	13/16 x 1	24	13	3/8	3357	812	





d Loads						
Vx (-)	Vy (-)					
0	136					
0	161					
0	186 211					
0	236					
0	261					
0	286					
0	310					
571	362					
733	387					
883	411					
966	436					
328	486					
548	511					
763	537					
974	562					
1742	585					
1921	610					
2098	635					
2276	660 686					
2629	711					
	736					
2985	762					
3164	787					
3343	812					
2807 2985 3164 3343	762 787					
	OOD AVE NTOP, PA			dimens	otherwise s ions are in i olerances a	inches &
0.233 0.526		GO	DDYEA	dimens to 0.0 FRAC	ions are in i	inches & re: 031 +/- 1/32
0.233 0.526 0S@0	NTOP, PA 3.8366 3.0841	GO	ODYEA	dimens to 0.0 FRAC	ions are in i blerances a 000 = +/- 0. TIONAL = -	inches & re: 031 +/- 1/32 /2 DEG

L'TR	
*	ORIGINAL ISSUE
A	REMOVED SPECIFIC ENI
В	REVISED BOTTOM BAR

		-					CP00	01/CP0651	0.0405/0.	0220 Minin	num Thickn	ess Galvania	ed or Stain	nless Steel -	60 PSF						_		
						1					Concret	te Minimum	3,000 PSI	Compressive	Strength (/	Anchors are	the same d	liameter as	assembly fa	steners)			
DBG	Windlock	1.000	1. 1. Sec. 1.	Guide	Windlock	Assembly	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
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	10	2	3	5 3/4
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	8	2	3	5 3/4
7'-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	7	2	3	5 3/4
8'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	0	N	/A		8	2 5/8	3 15/16	5 3/4	8	3	4 1/2	5 3/4	6	2	3	5 3/4
9'-5"	N/A	N/A	N/A	344*	N/A	3/8	24		N	/A		7	2 5/8	3 15/16	5 3/4	7	3	4 1/2	5 3/4	5	2	3	5 3/4
10'-5"	N/A	N/A	N/A	344*	N/A	3/8	24		N	/A		6	2 5/8	3 15/16	5 3/4	6	3	4 1/2	5 3/4	5	2	3	5 3/4
12'-5"	1 5/16	0.532	CP0629	DC1	12	1/2	18	16	3 1/2	5 1/4	5 3/4	16	4 1/2	6 3/4	5 3/4		N	/A			N	I/A	
14'-5"	1 7/16	0.594	CP0630	445	10	1/2	18	36	3 5/8	8	6 13/16	12	4 1/2	6 3/4	6 13/16	9	4 1/8	6 3/16	6 13/16	10	4	6	6 13/1
15'-5"	1 1/2	0.656	CP0630	445	9	1/2	14		N	/A		9	4 1/2	6 3/4	6 13/16	7	4 1/8	6 3/16	6 13/16	6	3 1/2	5 1/4	6 13/1
16'-5"	1 5/8	0.781	CP0630	445	8	1/2	13		N	/A		8	4 1/2	6 3/4	6 13/16	7	4 1/8	6 3/16	6 13/16	6	3 1/2	5 1/4	6 13/10
17'-5"	1 7/8	1.031	CP0630	445	9	1/2	12		N	/A		8	4 1/2	6 3/4	6 13/16	6	4 1/8	6 3/16	6 13/16	7	4	6	6 13/1
18'-5"	2	1.156	CP0630	446	8	5/8	18		N	/A	-	10	4 1/2	6 3/4	6 7/8	N/A				9	5	7 1/2	6 7/8
19'-5"	2	1.156	CP0630	546	7	5/8	16		N	I/A		9	4 1/2	6 3/4	6 7/8		N	/A		8	5	7 1/2	6 7/8
20'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	14		N	/A		8	4 1/2	6 3/4	6 7/8		N	/A			N	I/A	
21'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18	22	5 5/8	8	7 1/2	11	5	7 1/2	7 1/2	12	6 5/8	9 15/16	7 1/2		N	I/A	
22'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18		N	I/A		10	5	7 1/2	7 1/2	11	6 5/8	9 15/16	7 1/2		N	I/A	
23'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	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	
25'-5"	2 1/2	1.656	CP0630 & CP0647	DC3	6	3/4	15	11	4 3/4	7 1/8	7 1/2	11	5	7 1/2	7 1/2		N	/A			N	I/A	
26'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	14		N	I/A		7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2		٨	I/A	
27'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	13		N	I/A	-	7	5	7 1/2	7 1/2		N	I/A		-	N	I/A	
28'-5"	2 1/2	1.656	CP0630 & CP0647	648	5	3/4	13	-	N	I/A	-	-	ħ	I/A	-	N/A					N	1/A.	
29'-5"	2 1/2	1.656	CP0630 & CP0647	648	5	3/4	12		N	/A.			h	I/A			N	/A			N	I/A	





REVISION	DATE	BY	E.C.O.
	10/20/14	TJE	1615
NDLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

ELMWOOD AVE 1901 S. I UNTAINTOP, PA GOO		Unless otherwise specified, dimensions are in inches & tolerances are:						
300.233.8366 300.526.0841 ADS@CORNELLIRON.CO	ом	FRAC	000 = +/- 0. TIONAL = - .ES = +/- 1/	+/- 1/32				
RATION	DRAWN BY: TJE	SIZE:	SCALE: AS NOTED	SHEET: 50/58				
EEL DOOR	DWG NO: ES	-16-6	5-CIW					

 L'TR
 Image: Second se

						Filled CMU	J					Steel (Wa	all anchors are	the same of fasteners)	diameter as	assembly		Superimpo	nsed I
DBG		Hilti Kw	ik Bolt 3			Simpson S	trong-Bolt	2	т	hrough Bo	olt	w	elded	Through Bolt	Tapped			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 (+)	V
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	1.1
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	
7'-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	1
8'-5"	9	3/4	4 3/8	5 3/4		N	I/A		8	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	255	
9'-5"	8	3/4	4 3/8	5 3/4		N	I/A		7	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	285	10
10'-5"	8	3/4	4 3/8	5 3/4		N	I/A		6	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	315	
12'-5"	8	1/2	3 1/2	5 3/4	8	1/2	4 1/2	5 3/4		N/A		18	9/16 X 3/4	18	18	1/4	219	375	1
14'-5"		N	/A			N/A 12				1/2	6 13/16	25	9/16 x 3/4	25	14	1/4	964	434	9
15'-5"		N	/A			N	I/A		9	1/2	6 13/16	20	9/16 x 3/4	20	11	1/4	1226	464	11
16'-5"		N	/A	-		N	I/A		8	1/2	6 13/16	18	9/16 x 3/4	18	10	1/4	1363	494	13
17'-5"		N	/A			0	N/A		8	1/2	6 13/16	18	9/16 x 3/4	18	10	1/4	1347	523	13
18'-5"		N	/A	-		N	N/A		10	5/8	6 7/8	25	11/16 x 7/8	25	14	5/16	1488	552	14
19'-5"		N	/A			N	N/A		9	5/8	6 7/8	21	11/16 x 7/8	21	11	5/16	1745	582	17
20'-5"		N	I/A			٨	N/A		8	5/8	6 7/8	18	11/16 x 7/8	18	10	5/16	1996	613	19
21'-5"		N	I/A			, P	N/A		11	3/4	7 1/2	36	13/16 x 1	36	24	3/8	1779	641	17
22'-5"		N	I/A			P	V/A		10	3/4	7 1/2	36	13/16 x 1	36	22	3/8	1990	672	19
23'-5"		N	I/A			P	N/A		9	3/4	7 1/2	36	13/16 x 1	36	20	3/8	2198	702	2:
25'-5"		N	I/A			P	N/A		8	3/4	7 1/2	15	13/16 x 1	15	15	3/8	2612	761	25
26'-5"	-	N	I/A	~	1	P	N/A		7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	2819	792	28
27'-5"		N	I/A			P	N/A		7	3/4	7 1/2	27	13/16 x 1	27	14	3/8	3026	822	30
28'-5"		N	I/A		1	1	N/A		13	N/A		25	13/16 x 1	25	13	3/8	3233	853	3
29'-5"		D	I/A			1	N/A			N/A		23	13/16 x 1	23	12	3/8	3442	883	34





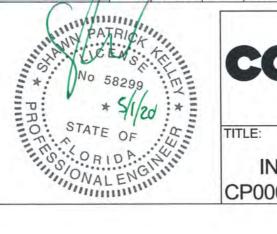
DETA	IL; HOOD SU	IPPORT UPDATE	02/19/20	MAN	2027
d Loads					
Vx (-)	Vy (-)				
0	163				
0	193				
0	223				
0	253				
0	283				
0	313 373				
930	434				
1196	465				
1336	495				
1326	524				
1470	553				
1727	584				
1978	614				
1761	642				
1972 2181	672 702				
2595	762				
2802	793				
3009	823				
3217	854				
3426	884				
		901 S. LITCHFIELD RD GOODYEAR, AZ	dimension		nches &
00.52	3.8366 6.0841 CORNELLIR	ON.COM	FRACTIC	5 = +/- 1/:	·/- 1/32 2 DEG
	TION	DRAWN BY: TJE		A COLOR	SHEET: 51/58
	DOOR	DWG NO:	6-16-65-		

REVISION	DATE	BY	E.C.O.
	10/20/14	TJE	1615
DLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

L'TR	REVISION
*	ORIGINAL ISSUE
Α	REMOVED SPECIFIC ENDLOCK, ADI
В	REVISED BOTTOM BAR DETAIL; HO

							CPOO	01/CP0651	- 0.0405/0	0220 Minin				nless Steel -						
		0 III I			-	1.1.1.1		1			Concret	te Minimum	3,000 PSI	Compressive	e Strength (Anchors are	the same	diameter as	assembly fa	asteners)
DBG	Windlock		1. S.	Guide	Windlock	Assembly	Assembly		Hilti Kv	vik Bolt 3			Simpson	Wedge All	1.11		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.O
5'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	16	2 3/8	4	5 3/4	11	2 5/8	3 15/16	5 3/4	12	3	4 1/2	5 3/4	9
6'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	6	2 3/8	5	5 3/4	9	2 5/8	3 15/16	5 3/4	10	3	4 1/2	5 3/4	7
7'-5"	N/A	N/A	N/A	344*	N/A	3/8	24		N	I/A		8	2 5/8	3 15/16	5 3/4	8	3	4 1/2	5 3/4	6
8'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	1	0	I/A	-	7	2 5/8	3 15/16	5 3/4	7	3	4 1/2	5 3/4	6
9'-5"	N/A	N/A	N/A	344*	N/A	3/8	24			I/A		6	2 5/8	3 15/16	5 3/4	7	3	4 1/2	5 3/4	5
12'-5"	1 5/16	0.532	CP0629	DC1	12	1/2	18	16	3 1/2	5 1/4	5 3/4	16	4 1/2	6 3/4	5 3/4		N	I/A		
14'-5"	1 7/16	0.594	CP0630	445	9	1/2	15		P	I/A		10	4 1/2	6 3/4	6 13/16	8	4 1/8	6 3/16	6 13/16	8
15'-5"	1 1/2	0.656	CP0630	445	8	1/2	13		P	I/A		8	4 1/2	6 3/4	6 13/16	6	4 1/8	6 3/16	6 13/16	7
16'-5"	1 5/8	0.781	CP0630	446	8	5/8	18	1	1	I/A		10	4 1/2	6 3/4	6 7/8		N	I/A		9
17'-5"	1 7/8	1.031	CP0630	446	8	5/8	18			I/A		10	4 1/2	6 3/4	6 7/8		M	I/A		9
18'-5"	2	1.156	CP0630	546	8	5/8	16		P	I/A		9	4 1/2	6 3/4	6 7/8		N	I/A		8
19'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	14		1	I/A		8	4 1/2	6 3/4	6 7/8		N	I/A		7
20'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18	22	5 5/8	8	7 1/2	11	5	7 1/2	7 1/2	12	6 5/8	9 15/16	7 1/2	
21'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18		1	I/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	CP0630 & CP0647	548	7	3/4	18		P	I/A		9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2	
25'-5"	2 1/2	1.656	CP0630 & CP0647	DC3	6	3/4	15	11	4 3/4	7 1/8	7 1/2	11	5	7 1/2	7 1/2		1	V/A		
26'-5"	2 1/2	1.656	CP0630 & CP0647	648	5	3/4	13		P	I/A			P	N/A			1	N/A		
27'-5"	2 1/2	1.656	CP0630 & CP0647	648	5	3/4	12	1	P	I/A	-		1	N/A		1	P	N/A		

						CP0001	/CP0651 - 0	J.0405/0.02	20 Minimum	Inicknes	ss Galvanize		s Steel - 65 PS							
						Filled CMU						Steel (Wa	all anchors are f	the same d asteners)	iameter as	assembly	Superimposed Loads			
DBG Up To 5'-5" 6'-5"		Hilti Kv	vik Bolt 3			Simpson St	trong-Bolt 2	2	TÌ	Through Bolt			elded	Through Bolt	Tapped			Superimpt	JSEU LUGUS	
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"	8	3/4	3 1/4	5 3/4	10	3/4	5 1/4	5 3/4	11	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	179	0	177
6'-5"	12	3/4	4 3/8	5 3/4	9	3/4	5 1/4	5 3/4	9	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	212	0	209
7'-5"	10	3/4	4 3/8	5 3/4	8	3/4	5 1/4	5 3/4	8	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	244	0	242
8'-5"	9	3/4	4 3/8	5 3/4		N	/A		7	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	277	0	274
9'-5"	8	3/4	4 3/8	5 3/4		N	/A		6	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	309	0	307
12'-5"	8	1/2	3 1/2	5 3/4	8	1/2	4 1/2	5 3/4		N/A		18	9/16 X 3/4	18	18	1/4	373	406	321	404
14'-5"		ħ	N/A			N	/A		10	1/2	6 13/16	21	9/16 x 3/4	21	12	1/4	1146	470	1111	471
15'-5"		n	N/A			N	/A	-	8	1/2	6 13/16	17	9/16 x 3/4	17	9	1/4	1417	503	1385	504
16'-5"		١	N/A			N	/A		10	5/8	6 7/8	24	11/16 x 7/8	24	13	5/16	1555	535	1527	536
17'-5"		1	N/A			N	/A		10	5/8	6 7/8	24	11/16 x 7/8	24	13	5/16	1528	566	1506	567
18'-5"		r	N/A			N	/A	-	9	5/8	6 7/8	22	11/16 x 7/8	22	12	5/16	1674	598	1654	600
19'-5"		r	N/A	-		N	/A		8	5/8	6 7/8	19	11/16 x 7/8	19	10	5/16	1946	631	1927	632
20'-5"		1	N/A			N	/A		11	3/4	7 1/2	36	13/16 x 1	36	25	3/8	1745	662	1725	663
21'-5"		1	N/A			N	I/A		10	3/4	7 1/2	36	13/16 x 1	36	22	3/8	1972	695	1953	695
22'-5"		1	N/A			N	I/A	-	9	3/4	7 1/2	36	13/16 x 1	36	20	3/8	2197	727	2178	728
25'-5"	1	1	N/A			N	I/A		8	3/4	7 1/2	15	13/16 x 1	15	15	3/8	2861	825	2844	826
26'-5"		11	N/A N/A				-		N/A	1	26	13/16 x 1	26	14	3/8	3083	858	3066	859	
27'-5"	N/A N/A N/A N/A N/A N/A N/A N/A						N/A	//	24	13/16 x 1	24	13	3/8	3305	891	3288	892			





INSULATED ROLLING STE CP0001/CP0651 SLAT NON-IN

					10/20/14	TJE	1615
DL	OCK, A	DD INN	IER AN	GLE NOTE	12/13/17	CJR	1663
DE	TAIL; H	IOOD S	UPPOF	T UPDATE	02/19/20	MAN	2027
_							
s)	Powers M	/edge-Bolt	_				
D.C.	Embed	Min. Wall	Edge Dist				
	2	Thick.	5 3/4				
	2	3	5 3/4				
	2	3	5 3/4				
	2	3	5 3/4 5 3/4				
		/A	5 5/4				
	4	6	6 13/16				
11.1	4	6	6 13/16				
-	5	7 1/2	6 7/8 6 7/8				
	5	7 1/2	6 7/8				
6	5	7 1/2	6 7/8				
-		/A					
		I/A I/A	-				
-		1/A					
-		I/A					
	N	I/A					
				ITCHFIELD RE DYEAR, AZ	dimensio	therwise s ns are in i erances ar	nches &
ЛИ 00. 00.	233.83 526.08	0P, PA 66	GOO	DYEAR, AZ	dimensio tole 0.00 FRACT ANGLE	ns are in i erances ar 00 = +/- 0. IONAL = + ES = +/- 1/	nches & re: 031 -/- 1/32 2 DEG
JN7 00. 00.	233.83 526.08 @COF	0P, PA 66 41 RNELLIF	GOO	DYEAR, AZ M DRAWN BY:	dimensio tole 0.00 FRACT ANGLE SIZE:	ons are in i erances ar 00 = +/- 0.0 IONAL = + S = +/- 1/2 SCALE:	nches & re: 031 -/- 1/32 2 DEG SHEET:
00. 00. DS	233.83 526.08 @COF	0P, PA 66 41 RNELLIF	GOO	M DRAWN BY: TJE	dimensio tole 0.00 FRACT ANGLE	ns are in i erances ar 00 = +/- 0. IONAL = + ES = +/- 1/	nches & re: 031 -/- 1/32 2 DEG SHEET:
	233.83 526.08 @COF	0P, PA 66 41 RNELLIF		M DRAWN BY: TJE DWG NO:	dimensio tole 0.00 FRACT ANGLE SIZE:	Ins are in i erances ar 00 = +/- 0.1 IONAL = + ES = +/- 1/2 ISCALE: AS NOTED	nches & re: 031 -/- 1/32 2 DEG SHEET:

BY

DATE

E.C.O.

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	10/20/14	TJE	1615
А	REMOVED SPECIFIC ENDLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
В	REVISED BOTTOM BAR DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

							CPOOD	01/CP0651 -	0.0405/0.	0220 Minim	um Thickn	ess Galvaniz	ed or Stair	less Steel -	70 PSF							_	
			() · · · · · · · · · · · · · · · · · · ·		1.000	1					Concret	e Minimum	3,000 PSI	Compressive	e Strength (Anchors are	the same of	liameter as	assembly fa	asteners)	-		1.0
DBG	Windlock	199	1.000	Guide	Windlock	Assembly	Assembly		Hilti Kw	vik Bolt 3			Simpson	Wedge All			Red Hear	d Tru-Bolt	221.11		Powers V	Vedge-Bolt	
Up To	Flat Location	Slip	Windlock	Assembly	Weld Pitch	Fastener Diameter	Fastener Spacing	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist
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	8	2	3	5 3/4
6'-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	7	2	3	5 3/4
7'-5"	N/A	N/A	N/A	344*	N/A	3/8	24		N	I/A		8	2 5/8	3 15/16	5 3/4	8	3	4 1/2	5 3/4	6	2	3	5 3/4
8'-5"	N/A	N/A	N/A	344*	N/A	3/8	24		N	I/A		7	2 5/8	3 15/16	5 3/4	7	3	4 1/2	5 3/4	5	2	3	5 3/4
9'-5"	N/A	N/A	N/A	344*	N/A	3/8	24		N	I/A	-	6	2 5/8	3 15/16	5 3/4	6	3	4 1/2	5 3/4	5	2	3	5 3/4
13'-5"	1 5/16	0.469	CP0630	445	9	1/2	15		N	I/A	1 1	10	4 1/2	6 3/4	6 13/16	8	4 1/8	6 3/16	6 13/16	8	4	6	6 13/16
14'-5"	1 7/16	0.594	CP0630	445	9	1/2	13		N	I/A	-	9	4 1/2	6 3/4	6 13/16	7	4 1/8	6 3/16	6 13/16	7	4	6	6 13/16
15'-5"	1 1/2	0.656	CP0630	446	8	5/8	18		N	I/A	-	10	4 1/2	6 3/4	6 7/8		N	/A		9	5	7 1/2	6 7/8
16'-5"	1 5/8	0.781	CP0630	546	7	5/8	16	1	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"	1 7/8	1.031	CP0630	546	7	5/8	16		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	CP0630 & CP0647	546	7	5/8	15		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 1/4	1.406	CP0630 & CP0647	548	7	3/4	18	1	N	I/A		11	5	7 1/2	7 1/2	12	6 5/8	9 15/16	7 1/2		N	I/A	
20'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18	1.	N	I/A		10	5	7 1/2	7 1/2	11	6 5/8	9 15/16	7 1/2		N	N/A	
21'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18		N	I/A		9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2		N	N/A	
22'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	16	1	N	I/A		8	5	7 1/2	7 1/2	8	6 5/8	9 15/16	7 1/2	-	n	N/A	
23'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	15	1	N	I/A		8	5	7 1/2	7 1/2	6	6 5/8	9 15/16	7 1/2		N	N/A	
24'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	14		N	I/A	-	7	5	7 1/2	7 1/2		N	/A			N	N/A	
25'-5"	2 1/2	1.656	CP0630 & CP0647	648	5	3/4	13						N/A N/A				N/A N/A			N/A			
26'-5"	2 1/2	1.656	CP0630 & CP0647	648	5	3/4	12	1	N	I/A		-	ń	I/A			N	/A			n	N/A	





ELMWOOD AVE 1901 S. UNTAINTOP, PA GOO	and the second	dimensi	otherwise s ons are in i lerances a	nches &
300.233.8366 300.526.0841 ADS@CORNELLIRON.CO	MC	FRAC	000 = +/- 0. TIONAL = - .ES = +/- 1/	+/- 1/32
RATION	DRAWN BY: TJE	SIZE:	SCALE: AS NOTED	-
EEL DOOR MPACT RATED	DWG NO: ES	-16-6	5-CIW	

	L'TR	
	*	ORIGINAL ISSUE
1	А	REMOVED SPECIFIC END
	В	REVISED BOTTOM BAR D

						Filled CMU						Steel (Wa	all anchors are	the same of the sa	liameter as	assembly		Superimpo	sheel base	
DBG		Hilti Kv	vik Bolt 3			Simpson S	trong-Bolt 2	11	т	hrough B	olt	w	elded	Through Bolt	Тар	ped	Superimpose 255 Vx (+) Vy (+) 5 0 193 5 0 228 5 0 263 5 0 298 5 0 298 5 0 333 1173 472 1328 507 5 1608 541 5 1746 576 5 1709 610 5 1859 644 1887 680 1925 713 4 2166 748 2404 783	5320 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"	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
6'-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	228	0	225
7'-5"	9	3/4	4 3/8	5 3/4		N	/A		8	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	263	0	260
8'-5"	8	3/4	4 3/8	5 3/4		N	/A	-	7	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	298	0	295
9'-5"		1	I/A		-	N	/A		6	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	333	0	330
13'-5"		1	I/A			N	/A		10	1/2	6 13/16	21	9/16 x 3/4	21	11	1/4	1173	472	1128	472
14'-5"		1	I/A			N	/A		9	1/2	6 13/16	18	9/16 x 3/4	18	10	1/4	1328	507	1291	507
15'-5"		1	I/A			N	/A		10	5/8	6 7/8	23	11/16 x 7/8	23	13	5/16	1608	541	1574	542
16'-5"		n	I/A			N	/A.		9	5/8	6 7/8	21	11/16 x 7/8	21	11	5/16	1746	576	1717	577
17'-5"		1	I/A			N	/A		9	5/8	6 7/8	22	11/16 x 7/8	22	12	5/16	1709	610	1686	611
18'-5"		1	I/A			N	/A		8	5/8	6 7/8	20	11/16 x 7/8	20	11	5/16	1859	644	1839	646
19'-5"		٩	I/A			N	/A		11	3/4	7 1/2	36	13/16 x 1	36	23	3/8	1887	680	1862	680
20'-5"		r	I/A		1	N	/A		10	3/4	7 1/2	36	13/16 x 1	36	22	3/8	1925	713	1904	713
21'-5"		ſ	N/A		-	N	/A		9	3/4	7 1/2	36	13/16 x 1	36	20	3/8	2166	748	2145	749
22'-5"		P	I/A			N	/A		8	3/4	7 1/2	33	13/16 x 1	33	18	3/8	2404	783	2384	784
23'-5"		1	N/A			Ņ	/A		8	3/4	7 1/2	30	13/16 x 1	30	16	3/8	2640	819	2621	819
24'-5"		1	V/A	_		N	I/A		7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	2876	854	2857	854
25'-5"		1	I/A		0.000	N	/A			N/A		26	13/16 x 1	26	14	3/8	3112	889	3093	890
26'-5"		1	I/A	-		N	I/A			N/A		24	13/16 x 1	24	13	3/8	3348	925	3329	925





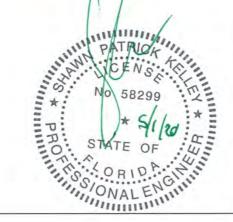
Elmwood ave 1901 S. JNTAINTOP, PA Goo		dimens	otherwise specified, ions are in inches & olerances are:
00.233.8366 00.526.0841 \DS@CORNELLIRON.CO	OM	FRAC	000 = +/- 0.031 TIONAL = +/- 1/32 _ES = +/- 1/2 DEG
RATION EEL DOOR MPACT RATED	DRAWN BY: TJE DWG NO: ES	SIZE: B -16-6	SCALE: SHEET: AS NOTED 54/58

DATE	BY	E.C.O.
10/20/14	TJE	1615
12/13/17	CJR	1663
02/19/20	MAN	2027
	10/20/14 12/13/17	10/20/14 TJE 12/13/17 CJR

L'TR	F
*	ORIGINAL ISSUE
Α	REMOVED SPECIFIC END
В	REVISED BOTTOM BAR D
	* A B

							CPOO	01/CP0651 -	0.0405/0.	0220 Minin	num Thickn	ess Galvania	ed or Stain	less Steel -	80 PSF								
					1	S					Concret	te Minimum	3,000 PSI	Compressive	e Strength (Anchors are	the same	diameter as	assembly fa	steners)			
DBG	Windlock			Guide	Windlock	Assembly	Assembly	11	Hilti Kw	vik Bolt 3			Simpson	Wedge All			Red Hea	d Tru-Bolt		1.000	Powers V	Vedge-Bolt	
Up To	Flat Location	Slip	Windlock	Assembly	Weld Pitch	Fastener Diameter	Fastener Spacing	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist
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	7	2	3	5 3/4
6'-5"	N/A	N/A	N/A	344*	N/A	3/8	24		N	I/A		8	2 5/8	3 15/16	5 3/4	8	3	4 1/2	5 3/4	6	2	3	5 3/4
7'-5"	N/A	N/A	N/A	344*	N/A	3/8	24		N	I/A		7	2 5/8	3 15/16	5 3/4	7	3	4 1/2	5 3/4	5	2	3	5 3/4
8'-5"	N/A	N/A	N/A	344*	N/A	3/8	24		N	I/A		6	2 5/8	3 15/16	5 3/4	6	3	4 1/2	5 3/4	4	2	3	5 3/4
13'-5"	1 5/16	0.469	CP0630	446	8	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
14'-5"	1 7/16	0.594	CP0630	546	8	5/8	17		N	I/A	- Refer	9	4 1/2	6 3/4	6 7/8		N	N/A		8	5	7 1/2	6 7/8
15'-5"	1 1/2	0.656	CP0630 & CP0647	546	7	5/8	15		N	I/A		8	4 1/2	6 3/4	6 7/8		N	I/A		7	5	7 1/2	6 7/8
16'-5"	1 5/8	0.781	CP0630 & CP0647	546	7	5/8	14		N	I/A		7	4 1/2	6 3/4	6 7/8		P	N/A			N	I/A	
17'-5"	1 7/8	1.031	CP0630 & CP0647	548	7	3/4	18		N	I/A		10	5	7 1/2	7 1/2	11	6 5/8	9 15/16	7 1/2	-	N	I/A	
18'-5"	2	1.156	CP0630 & CP0647	548	6	3/4	18	1	N	I/A	100	9	5	7 1/2	7 1/2	10	6 5/8	9 15/16	7 1/2		N	I/A	
19'-5"	2 1/4	1.406	CP0630 & CP0647	548	6	3/4	17		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	CP0630 & CP0647	648	6	3/4	17	1	N	I/A		9	5	7 1/2	7 1/2	9	6 5/8	9 15/16	7 1/2		Ņ	I/A	
21'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	15		N	I/A		8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2		N	I/A	
22'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	14		N	I/A		7	5	7 1/2	7 1/2		n	N/A			N	I/A	
23'-5"	2 1/2	1.656	CP0630 & CP0647	648	5	3/4	13 N/A						N	I/A	-		P	N/A		-	N	I/A	
24'-5"	2 1/2	1.656	CP0630 & CP0647	648	5	3/4	12	1	N	I/A			1	V/A		1	1	N/A			N	I/A	

	1					Filled CMU	1.					Steel (Wa	all anchors are	the same d asteners)	liameter as	assembly	y Superimposed Loads			
5'-5"		Hilti Kv	wik Bolt 3	C. 11	1	Simpson Si	trong-Bolt 2		T	hrough Bo	olt	w	elded	Through Bolt	Тар	ped	-	Superimpo	ISEG LUBUS	
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 (-) 0 0 0 1494 1651 1953 2097 2047 2209 2223 2262 2530	Vy (-)
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
6'-5"	9	3/4	4 3/8	5 3/4		N	/A		8	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	260	0	257
7'-5"	8	3/4	4 3/8	5 3/4	1	N	/A		7	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	300	0	297
8'-5"		1	N/A			N	/A		6	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	340	0	337
13'-5"	N/A N/A N/A N/A N/A N/A						-	10	5/8	6 7/8	24	11/16 x 7/8	24	13	5/16	1543	539	1494	540	
14'-5"		1	N/A	-		N	I/A		9	5/8	6 7/8	22	11/16 x 7/8	22	12	5/16	1693	579	1651	580
15'-5"			N/A			N	I/A		8	5/8	6 7/8	18	11/16 x 7/8	18	10	5/16	1991	619	1953	620
16'-5"		. 1	N/A			N	I/A		7	5/8	6 7/8	17	11/16 x 7/8	17	9	5/16	2129	659	2097	660
17'-5"		(N/A			N	I/A		10	3/4	7 1/2	36	13/16 x 1	36	21	3/8	2086	699	2047	699
18'-5"		1	N/A		1	N	1/A	-	9	3/4	7 1/2	36	13/16 x 1	36	19	3/8	2244	738	2209	738
19'-5"		- 4	N/A			N	I/A		9	3/4	7 1/2	35	13/16 x 1	35	19	3/8	2251	777	2223	777
20'-5"			N/A			N	I/A		9	3/4	7 1/2	35	13/16 x 1	35	19	3/8	2285	815	2262	815
21'-5"		1	N/A			N	I/A		8	3/4	7 1/2	31	13/16 x 1	31	17	3/8	2552	855	2530	856
22'-5"		U.	N/A			N	I/A		7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	2817	895	2795	896
23'-5"	1		N/A		1	N	I/A			N/A		26	13/16 x 1	26	14	3/8	3082	936	3060	936
24'-5"		- 13	N/A	-		N	I/A		-	N/A	0	24	13/16 x 1	24	13	3/8	3346	976	3325	977





REVISION	DATE	BY	E.C.O.
	10/20/14	TJE	1615
NDLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
R DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

ELMWOOD AVE 1901 S. UNTAINTOP, PA GOO		dimens	otherwise specified, ions are in inches & blerances are:
800.233.8366 800.526.0841 ADS@CORNELLIRON.C	ОМ	FRAC	000 = +/- 0.031 TIONAL = +/- 1/32 .ES = +/- 1/2 DEG
RATION	DRAWN BY:	SIZE:	SCALE: SHEET:
	TJE	B	AS NOTED 55/58
EEL DOOR	DWG NO:	17.0	
MPACT RATED	ES	-16-6	5-CIW

1	L'TR	
1	*	ORIGINAL ISSUE
	A	REMOVED SPECIFIC EN
	В	REVISED BOTTOM BAR

							CPOOL	01/CP0651 -	0.0405/0.0	0220 Minin													
								1			Concret	e Minimum	3,000 PSI	Compressive	e Strength (Anchors are	the same of	diameter as	assembly fa	asteners)			_
DBG	Windlock		100000000000	Guide	Windlock	Assembly	Assembly	1	Hilti Kw	ik Bolt 3		1.	Simpson	Wedge All			Red Hea	d Tru-Bolt		1		/edge-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	344*	N/A	3/8	24		N	/A	-	8	2 5/8	3 15/16	5 3/4	8	3	4 1/2	5 3/4	6	2	3	5 3/4
6'-5"	N/A	N/A	N/A	344*	N/A	3/8	24		N	/A	-	7	2 5/8	3 15/16	5 3/4	7	3	4 1/2	5 3/4	5	2	3	5 3/4
7'-5"	N/A	N/A	N/A	344*	N/A	3/8	24		N	/A		6	2 5/8	3 15/16	5 3/4	6	3	4 1/2	5 3/4	4	2	3	5 3/4
8'-5"	N/A	N/A	N/A	344*	N/A	3/8	24		N/A		5	2 5/8	3 15/16	5 3/4		N	I/A		5	2 1/2	3 3/4	5 3/4	
13'-5"	1 5/16	0.469	CP0630 & CP0647	546	7	5/8	16		N/A		8	4 1/2	6 3/4	6 7/8	N/A				7	5	7 1/2	6 7/8	
14'-5"	1 7/16	0.594	CP0630 & CP0647	546	7	5/8	14		N	/A		8	4 1/2	6 3/4	6 7/8	N/A					N	/A	
15'-5"	1 1/2	0.656	CP0630 & CP0647	548	6	3/4	18		N	/A		9	5	7 1/2	7 1/2	10 6 5/8 9 15/16 7 1/2		7 1/2	1/2 N/A				
16'-5"	1 5/8	0.781	CP0630 & CP0647	548	6	3/4	17	-	N	/A		8	5	7 1/2	7 1/2	9	6 5/8	9 15/16	7 1/2		N	/A	
17'-5"	1 3/4	0.906	CP0630 & CP0647	648	6	3/4	16		N	/A		8	5	7 1/2	7 1/2	7	6 5/8	9 15/16	7 1/2		N	/A	
18'-5"	1 7/8	1.031	CP0630 & CP0647	648	6	3/4	15		N	/A	-	7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2		N	/A	
19'-5"	2 1/8	1.281	CP0630 & CP0647	648	6	3/4	15		N	/A		7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2		N	/A	
20'-5"	2 1/4	1.406	CP0630 & CP0647	648	6	3/4	14		N	/A		7	5	7 1/2	7 1/2		N	I/A			N	/A	
21'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	13		N	/A		7	5	7 1/2	7 1/2		N	I/A			N	/A	-
22'-5"	2 1/2	1.656	CP0630 & CP0647	648	5	3/4	12		N	I/A		-	N	I/A		N/A				N/A			

						illed CMU						Steel (Wa	all anchors are	the same d fasteners)	liameter as	assembly		Superimp	osed Loads	
DBG		Hilti Kv	wik Bolt 3	100	1	Simpson St	trong-Bolt 2		Т	hrough Bo	olt	w	elded	Through Bolt	Тар	oped	1	Superimpe	Sed Lobus	
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	3/4	4 3/8	5 3/4	1	N	/A		8	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	248	0	244
6'-5"	8	3/4	4 3/8	5 3/4		N	/A		7	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	293	0	289
7'-5"		1	N/A			N	/A		6	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	338	0	334
8'-5"		1	N/A			N/A				3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	383	0	379
13'-5"		(N/A			N/A				5/8	6 7/8	19	11/16 x 7/8	19	10	5/16	1913	607	1859	608
14'-5"			N/A			N	/A		8	5/8	6 7/8	18	11/16 x 7/8	18	10	5/16	2057	652	2012	653
15'-5"			N/A			N	/A		9	3/4	7 1/2	34	13/16 x 1	34	18	3/8	2392	699	2333	698
16'-5"			N/A			N	/A		8	3/4	7 1/2	32	13/16 x 1	32	17	3/8	2530	743	2478	743
17'-5"		1	N/A			N	/A		8	3/4	7 1/2	30	13/16 x 1	30	16	3/8	2674	787	2628	788
18'-5"		-	N/A			N	/A		7	3/4	7 1/2	28	13/16 x 1	28	15	3/8	2820	832	2779	833
19'-5"			N/A			N	I/A		7	3/4	7 1/2	29	13/16 x 1	29	15	3/8	2777	875	2743	875
20'-5"			N/A			N	I/A		7	3/4	7 1/2	27	13/16 x 1	27	15	3/8	2932	919	2902	920
21'-5"	-		N/A	_	2	N	I/A		7	3/4	7 1/2	27	13/16 x 1	27	15	3/8	2938	962	2914	96
22'-5"		1	N/A			N	I/A	-		N/A	-	25	13/16 x 1	25	13	3/8	3231	1008	3207	100





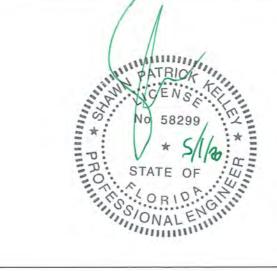
REVISION	DATE	BY	E.C.O.
	10/20/14	TJE	1615
DLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

ELMWOOD AVE 1901 S. UNTAINTOP, PA GOO	the second se	dimens	otherwise specified, ions are in inches-& olerances 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:	SCALE: SHEET: AS NOTED 56/58
EEL DOOR	DWG NO:	-16-6	5-CIW

L'TR	
*	ORIGINAL ISSUE
A	REMOVED SPECIFIC EN
В	REVISED BOTTOM BAR

							CP000	1/CP0651 -	0.0405/0.0	0220 Minim				less Steel -			_						
				1000	1.2.2	10 10 10	1				Concre	e Minimum	3,000 PSI	Compressive	e Strength (Anchors are	the same of	diameter as	assembly fa	asteners)			
DBG	Windlock	1.0	N 107 . 17 3	Guide	Windlock	Assembly	Assembly		Hilti Kv	vik Bolt 3		1	Simpson	Wedge All	12-14		Red Hea	d Tru-Bolt		Powers Wedge-Bolt			
Up To	Flat Location	Slip	Windlock	Assembly	Weld Pitch	Fastener Diameter	Fastener Spacing	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dis
5'-5"	N/A	N/A	N/A	344*	N/A	3/8	24		N	I/A		7	2 5/8	3 15/16	5 3/4	7	3	4 1/2	5 3/4	6	2	3	5 3/4
6'-5"	N/A	N/A	N/A	344*	N/A	3/8	24		N	N/A		6	2 5/8	3 15/16	5 3/4	6	3	4 1/2	5 3/4	5	2	3	5 3/4
7'-5"	N/A	N/A	N/A	344*	N/A	3/8	24		N	N/A		5	2 5/8	3 15/16	5 3/4		N	I/A		6	2 1/2	3 3/4	5 3/4
14'-5"	1 1/2	0.656	CP0630 & CP0647	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	I/A	
15'-5"	1 7/16	0.594	CP0630 & CP0647	648	6	3/4	15		h	N/A		7	5	7 1/2	7 1/2	5	6 5/8	9 15/16	7 1/2		N	I/A	
16'-5"	1 1/2	0.656	CP0630 & CP0647	648	5	3/4	14		N	N/A		7	5	7 1/2	7 1/2		N	I/A	1		N	I/A	
17'-5"	1 5/8	0.781	CP0630 & CP0647	648	5	3/4	13		N	N/A		5		N/A			N	I/A			N	1/A	
18'-5"	1 3/4	0.906	CP0630 & CP0647	648	5	3/4	13		N	N/A			0	N/A		-	N	I/A		1	N	I/A	
19'-5"	1 7/8	1.031	CP0630 & CP0647	648	5	3/4	12		N	N/A		-		N/A			N	I/A		-	N	I/A	-
20'-5"	2 1/8	1.281	CP0630 & CP0647	648	5	3/4	12		N	N/A		-	1	N/A		N/A					N	I/A	

				-		Filled CMU	1					Steel (Wa	all anchors are	the same d fasteners)	iameter as	assembly		Superimpo	shen I have	
DBG	1.1.1	Hilti K	wik Bolt 3			Simpson S	trong-Bolt 2		Т	hrough Bo	olt	w	elded	Through Bolt	Tapped		1 E.	Supermpe	300 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.	Slot Size	Max O.C.	Max O.C.	Min. Thickness	Vx (+)	Vy (+)	Vx (-)	Vy (-
5'-5"	9	3/4	4 3/8	5 3/4		N	I/A		7	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	275	0	271
6'-5"			N/A			N/A			6	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	325	0	32
7'-5"			N/A			N/A			5	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	375	0	37:
14'-5"			N/A			N	I/A		8	3/4	7 1/2	15	13/16 x 1	15	15	3/8	2261	725	2195	72
15'-5"			N/A			N	I/A		7	3/4	7 1/2	27	13/16 x 1	27	15	3/8	2976	778	2909	77
16'-5"		-	N/A			N	I/A		7	3/4	7 1/2	25	13/16 x 1	25	13	3/8	3274	828	3211	82
17'-5"			N/A		-	N	I/A		1.000	N/A	-	24	13/16 x 1	24	13	3/8	3371	877	3316	87
18'-5"		-	N/A			N	I/A	-		N/A		23	13/16 x 1	23	12	3/8	3486	926	3437	92
19'-5"			N/A			N	I/A			N/A		22	13/16 x 1	22	12	3/8	3611	975	3568	97
20'-5"		-	N/A			N	I/A			N/A		23	13/16 x 1	23	12	3/8	3518	1023	3482	102





REVISION	DATE	BY	E.C.O.
	10/20/14	TJE	1615
DLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027
			-

L'TR	REVISION	DATE	BY	E.C.O
*	ORIGINAL ISSUE	10/20/14	TJE	1615
A	REMOVED SPECIFIC ENDLOCK, ADD INNER ANGLE NOTE	12/13/17	CJR	1663
В	REVISED BOTTOM BAR DETAIL; HOOD SUPPORT UPDATE	02/19/20	MAN	2027

							CP000	1/CP0651 -	0.0405/0.0	220 Minim	um Thickne	ss Galvaniz	ed or Stain	less Steel -	120 PSF									
1.1	1.000	Part and	1	Guide Assembly	Weld	Assembly Fastener Diameter	Assembly Fastener Spacing	Concrete Minimum 3,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																
DBG Up To	Windlock Flat Location	Slip	Windlock					Hilti Kwik Bolt 3				Simpson Wedge All				Red Head Tru-Bolt				Powers Wedge-Bolt				
								Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	Max O.C.	Embed	Min. Wall Thick.	Edge Dist	
5'-5"	N/A	N/A	N/A	344*	N/A	3/8	24		N	I/A		6	2 5/8	3 15/16	5 3/4	6	3	4 1/2	5 3/4	5	2	3	5 3/4	
6'-5"	N/A	N/A	N/A	344*	N/A	3/8	24	N/A			5	2 5/8	3 15/16	5 3/4	N/A			5	2 1/2	3 3/4	5 3/4			
7'-5"	N/A	N/A	N/A	344*	N/A	3/8	23	N/A		4	2 5/8	3 15/16	5 3/4	N/A			5	2 1/2	3 3/4	5 3/4				
14'-5"	1 1/2	0.656	CP0630 & CP0647	DC2	6	3/4	15	11 4 3/4 7 1/8 7 1/2				11	5	7 1/2	7 1/2	N/A					N/A			

DBG Up To	Filled CMU												Wall anchors a	fasteners)	Superimposed Loads					
		Hilti K	wik Bolt 3		Simpson Strong-Bolt 2			Through Bolt			Welded		Through Bolt	Tapped		Superimposed Loads				
	Max O.C.	Dia.	Embed	Edge Dist	Max O.C.	Dia.	Embed	Edge Dist	Max. O.C.	Dia.	Edge Distance	Max O.C.	Slot Size	Max O.C.	Max O.C.	Min. Thickness	Vx (+)	Vy (+)	Vx (-)	Vy (-
5'-5"	N/A				N/A				6	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	330	0	325
6'-5"		11	N/A		N/A				5	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	390	0	385
7'-5"	N/A N/A					-	4	3/8	5 3/4	36	7/16 x 5/8	36	36	3/16	0	450	0	445		
14'-5"	N/A					N/A			8	3/4	7 1/2	15	13/16 x 1	15	15	3/8	2956	871	2881	871



