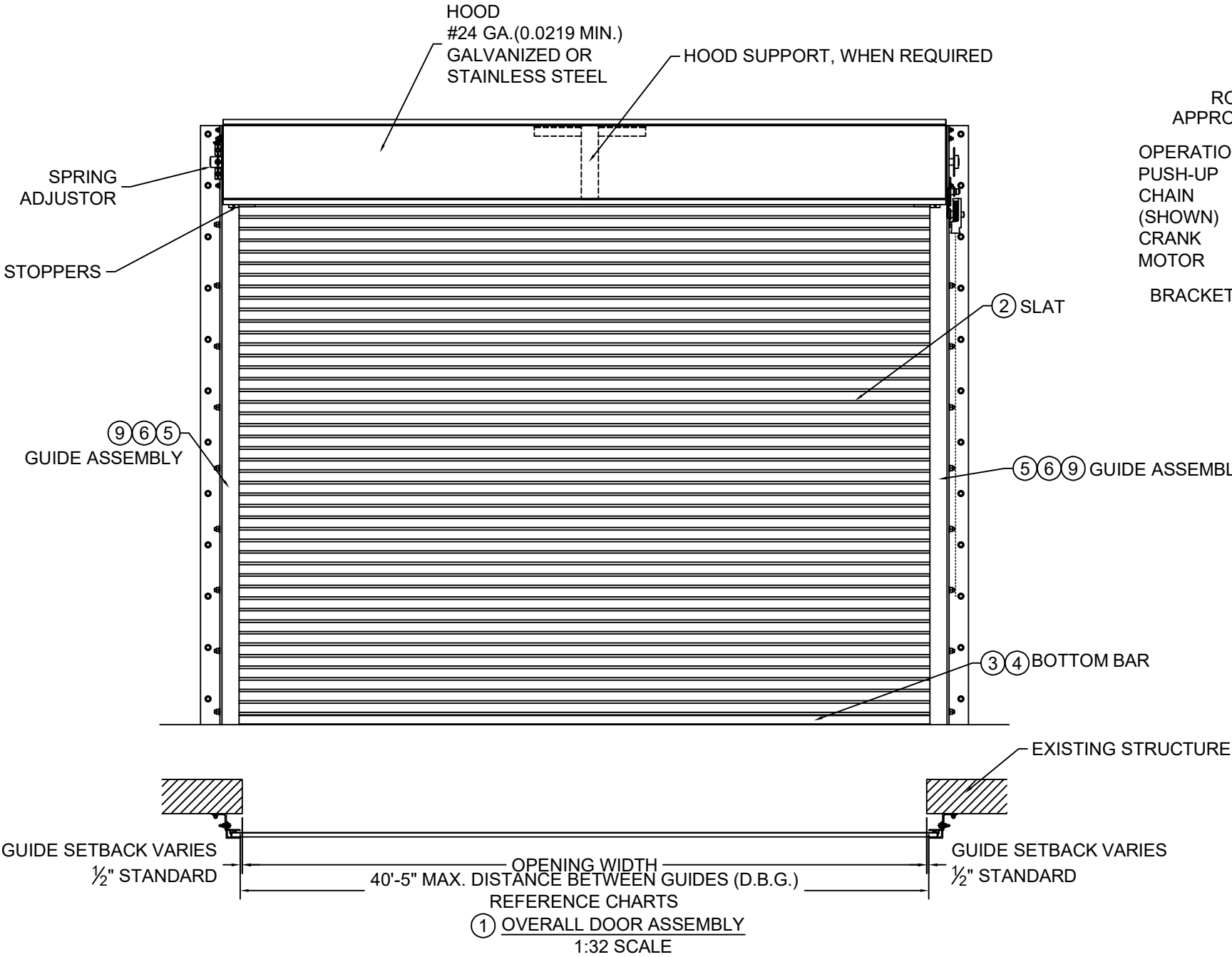
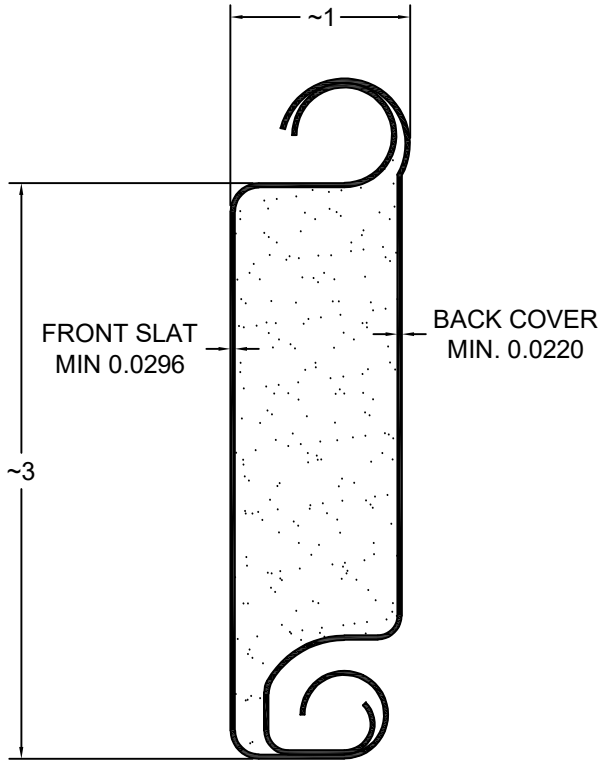
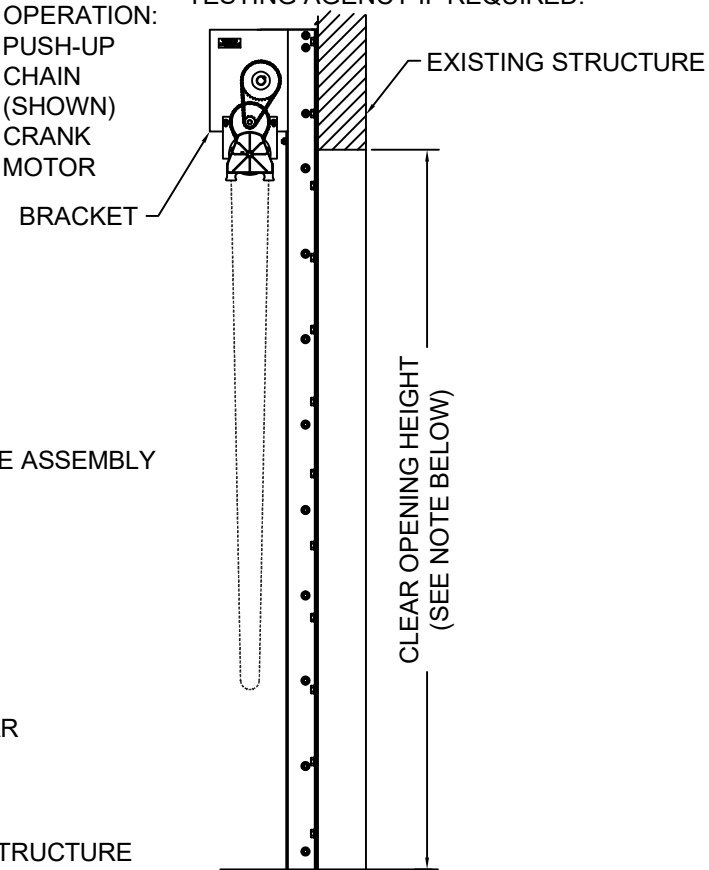


L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	11/26/2025	KAD	2398
A	REVISED WINDLOAD TABLES	08/12/2026	KAD	2398



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



2 SLAT DETAIL
TYPICAL SECTION

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

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

SHAWN PATRICK KELLEY
LICENSED PROFESSIONAL ENGINEER
No 58299
Digitally signed by shawn p kelley
Date: 2025.08.19 17:03:49 -0400

shawn p
kelley

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Innovative door solutions.

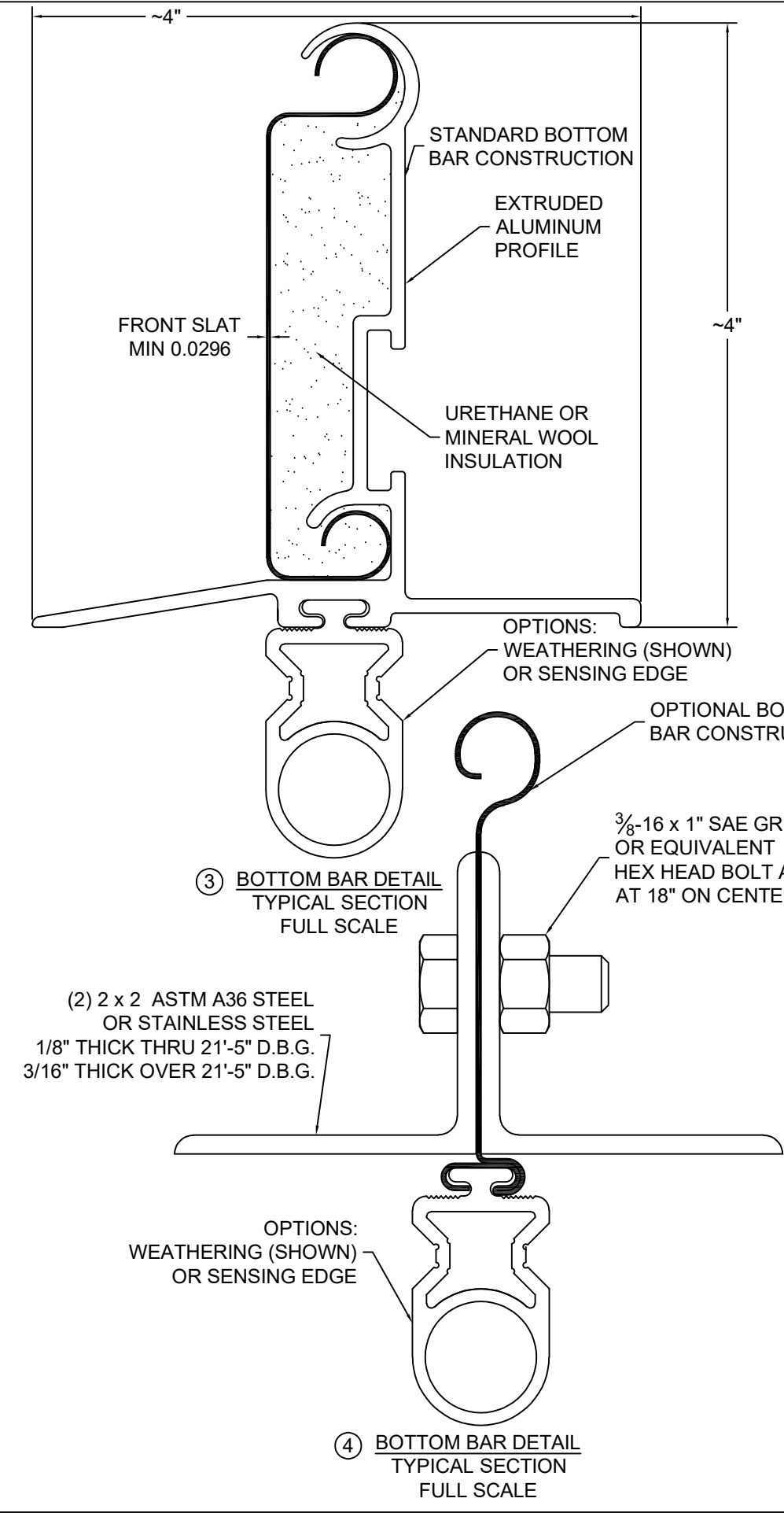
24 ELMWOOD AVE 1901 S. LITCHFIELD RD
MOUNTAINTOP, PA GOODYEAR, AZ
P: 800.233.8366
F: 800.526.0841
E: ADS@CORNELLIRON.COM

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

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

DRAWN BY: KAD
SIZE: B
SCALE: AS NOTED
SHEET: 1/37
DWG NO: ES-16-138-CIW

REVIEWED FOR SPECIFIED DOOR COMPONENTS ONLY, EXISTING STRUCTURE NOT ANALYZED



L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	11/26/2025	KAD	2398
A	REVISED WINDLOAD TABLES	08/12/2026	KAD	2398

- GENERAL NOTES:**
1. THESE PRODUCT EVALUATION DOCUMENTS REPRESENT A ROLL-UP DOOR ASSEMBLY DESIGNED AND TESTED IN ACCORDANCE WITH THE STANDARD BUILDING CODE, THE INTERNATIONAL BUILDING CODE, AND THE FLORIDA BUILDING CODE.
 2. THIS ROLL-UP DOOR HAS BEEN TESTED FOR UNIFORM STATIC PRESSURE, IMPACT AND FATIGUE RESISTANCE IN ACCORDANCE WITH THE FBC TEST PROTOCOLS FOR HIGH VELOCITY HURRICANE ZONES TAS 201, TAS 202, AND TAS 203.
 3. A 33% INCREASE IN ALLOWABLE STRESS HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT.
 4. DETERMINE THE POSITIVE AND NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY.
 5. THESE PRODUCT EVALUATION DOCUMENTS ARE PREPARED BY THE PRODUCT ENGINEER AND ARE GENERIC. THEY DO NOT INCLUDE INFORMATION PREPARED FOR A SPECIFIC SITE.
 6. THESE PRODUCT EVALUATION DOCUMENTS ARE NOT VALID FOR PERMIT WITHOUT ORIGINAL SIGNATURE, DATE AND EMBOSSED SEAL ON EACH PERMIT COPY, WHETHER OR NOT A MASTER APPROVAL DOCUMENT IS ON FILE WITH A MUNICIPALITY OR OTHER GOVERNING AGENCY.
 7. THESE PRODUCT EVALUATION DOCUMENTS ARE SUITABLE TO BE APPLIED BY THE CONTRACTOR PROVIDED THE CONTRACTOR DOES NOT DEVIATE FROM THE CONDITIONS DETAILED HEREIN AND THE CONTRACTOR VERIFIES THE EXISTING STRUCTURE IS CAPABLE OF SUPPORTING THE SUPERIMPOSED LOADS Vx & Vy ON THE JAMBS OF THE DOOR.
 8. ALTERATIONS OR ADDITIONS TO THIS DOCUMENT ARE NOT PERMITTED.
 9. WHEN THE SITE CONDITIONS DEVIATE FROM THESE PRODUCT EVALUATION DOCUMENTS, SITE SPECIFIC DOCUMENTS SHALL BE PREPARED BY A DULY LICENSED AND REGISTERED ENGINEER OR ARCHITECT.
 10. IF THE DEVIATING SITE SPECIFIC DOCUMENTS ARE PREPARED BY A DELEGATED REGISTERED ENGINEER OR ARCHITECT, SAID DOCUMENTS SHALL BEAR THE DATE, SIGNATURE, AND EMBOSSED SEAL OF THE DELEGATED ENGINEER OR ARCHITECT AND SHALL BE SUBMITTED TO THE PROJECT ENGINEER FOR REVIEW.
 11. ALL BOLTS AND WASHERS SHALL BE GALVANIZED STEEL, PLATED STEEL, OR STAINLESS STEEL
 12. ALL WINDLOCK RIVETS SHALL BE 1/4" STEEL RIVETS IFI GRADE 30 WITH A MINIMUM TENSILE STRENGTH OF 1,850 Lbs., AND SHEAR STRENGTH OF 2,400 Lbs., U.O.N.. RIVETS TO BE INSTALLED IN ALL WINDLOCK HOLES.
 13. ENDLOCKS/WINDLOCKS SHALL BE CAST MALLEABLE IRON TYPE 32510 PER ASTM A47 OR CAST DUCTILE IRON PER ASTM A536 GRADE 65-45-12.
 14. ALL WELDING SHALL BE PERFORMED BY QUALIFIED WELDERS IN ACCORDANCE WITH A.W.S. SPECIFICATIONS, LATEST EDITION. ALL WELDING ELECTRODES SHALL CONFORM TO A.W.S. A5.1 GRADE E-70. MINIMUM WELDING PROCESSES SHALL BE ARC WELDING A.W.S. E7014 OR MIG WELDING A.W.S. ER70S-6.
 15. ANCHOR NOTES:
A. EMBEDMENT LENGTH DOES NOT INCLUDE STUCCO FINISH.
B. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
C. ANCHOR CAPACITY FOR THIS ROLL-UP DOOR IS BASED ON MIN. 4,000 P.S.I. CONCRETE EXCEPT WHERE NOTED..
D. FOR MINIMUM EMBEDMENT AND MINIMUM EDGE DISTANCE, REFER TO TABLES.
 16. DOOR MAY BE INSTALLED ON THE INSIDE OR OUTSIDE OF AN EXTERIOR WALL
 17. ALL SHAPES USED FOR GUIDE ASSEMBLIES MUST CONFORM TO ASTM A36 FOR STEEL OR ASTM A276 FOR TYPES 304 OR 316 WITH A MINIMUM 36 KSI YIELD STRENGTH
 18. ALL INNER ANGLE THICKNESSES IN THIS EVALUATION ARE LISTED AS MINIMUM VALUES. THICKER ANGLES MAY BE SUPPLIED FOR THE INNER ANGLE IF REQUIRED BY OTHER LISTING AGENCIES.





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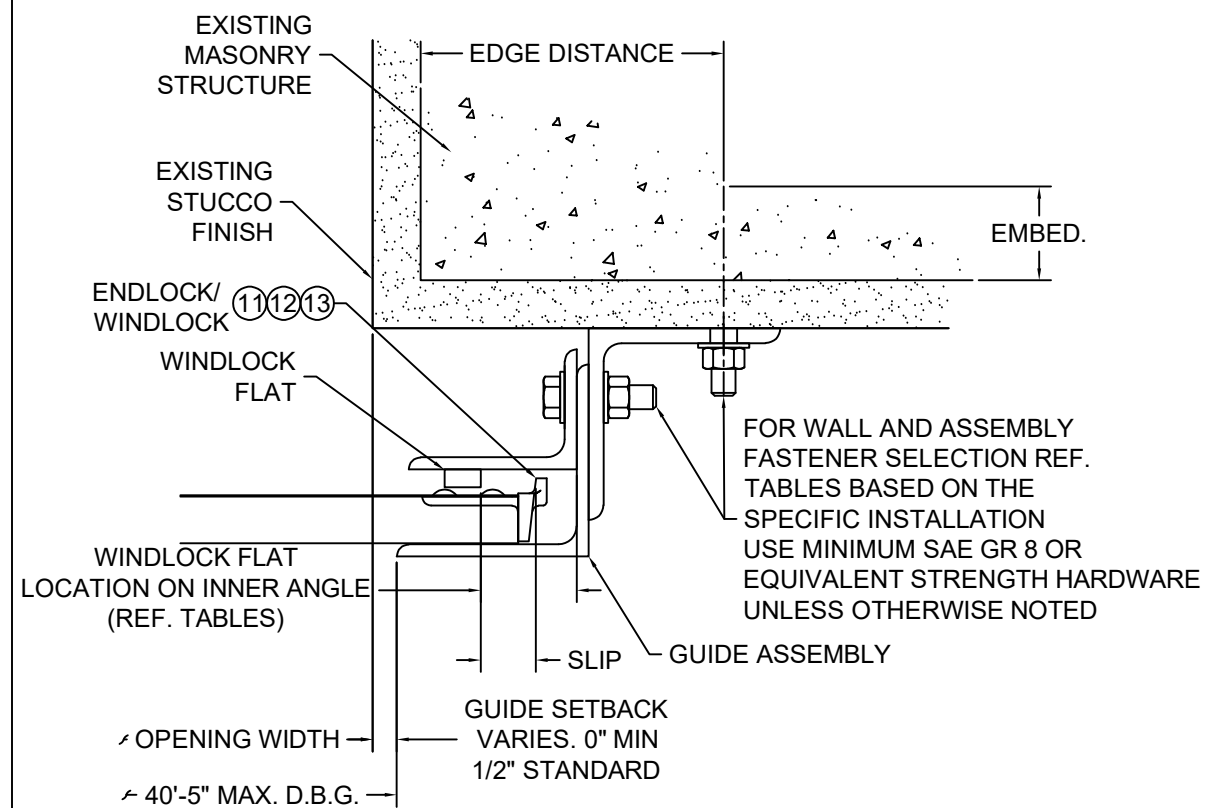
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INSULATED ROLLING STEEL DOOR
CP0001/CP0651 SLAT IMPACT RATED

DRAWN BY: KAD
SIZE: B
SCALE: AS NOTED
SHEET: 2/37

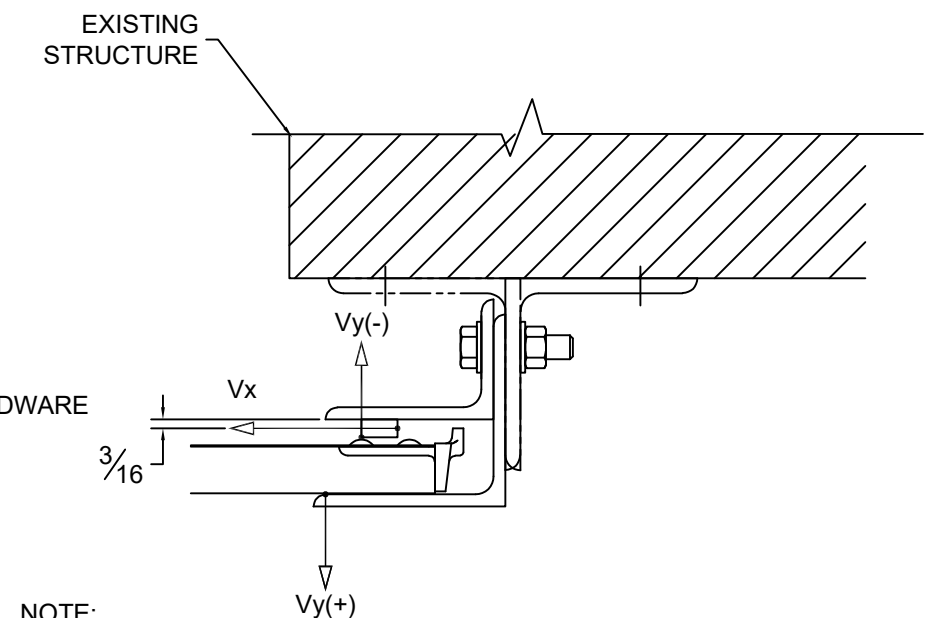
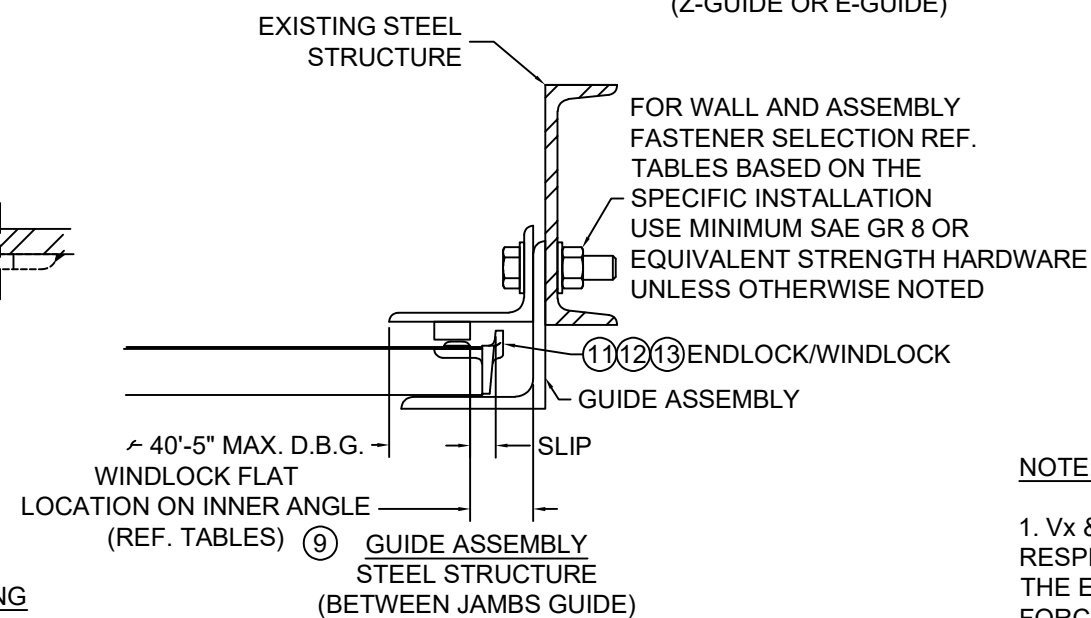
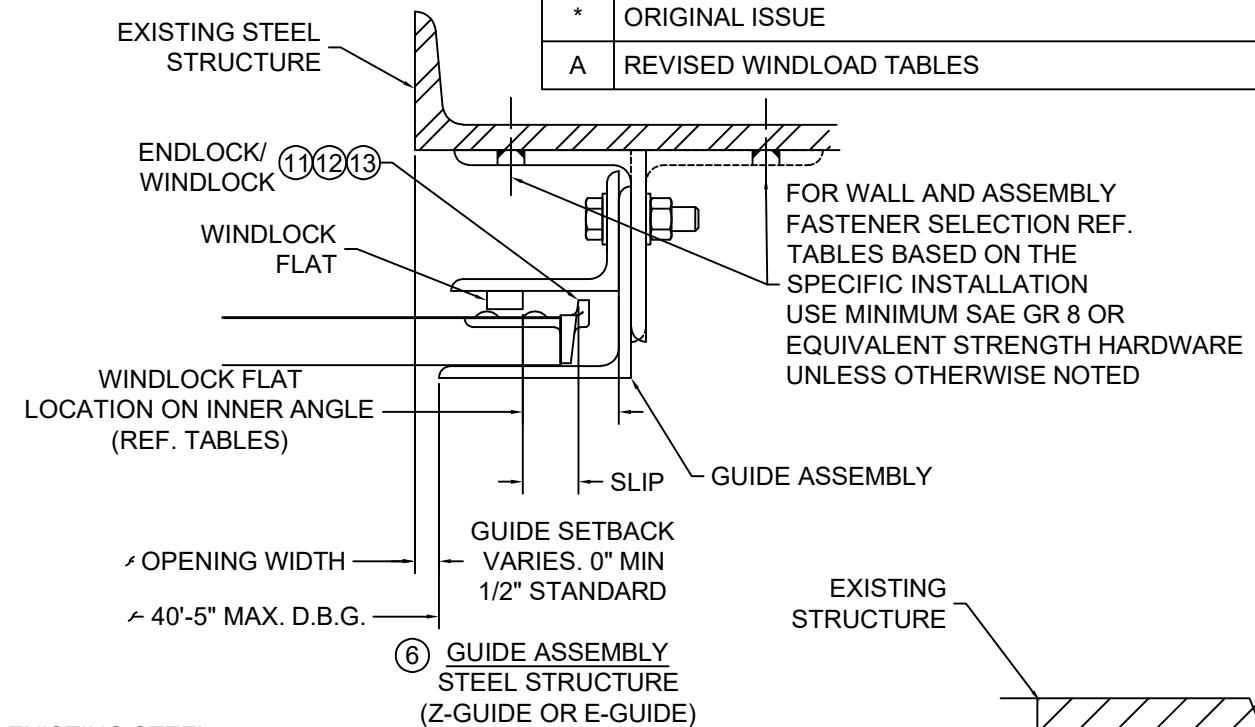
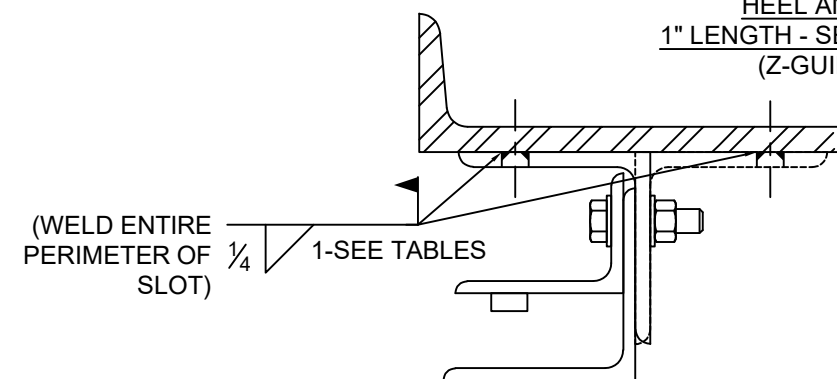
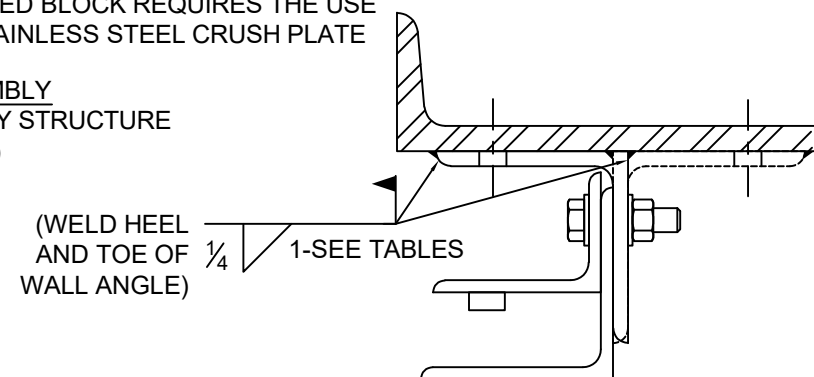
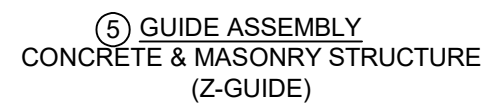
DWG NO: ES-16-138-CIW

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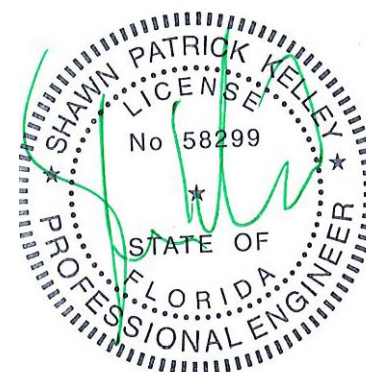
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A	REVISED WINDLOAD TABLES	08/12/2026	KAD	2398



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



⑩ SUPERIMPOSED LOAD DIAGRAM
SCALE: 3" = 1'-0"



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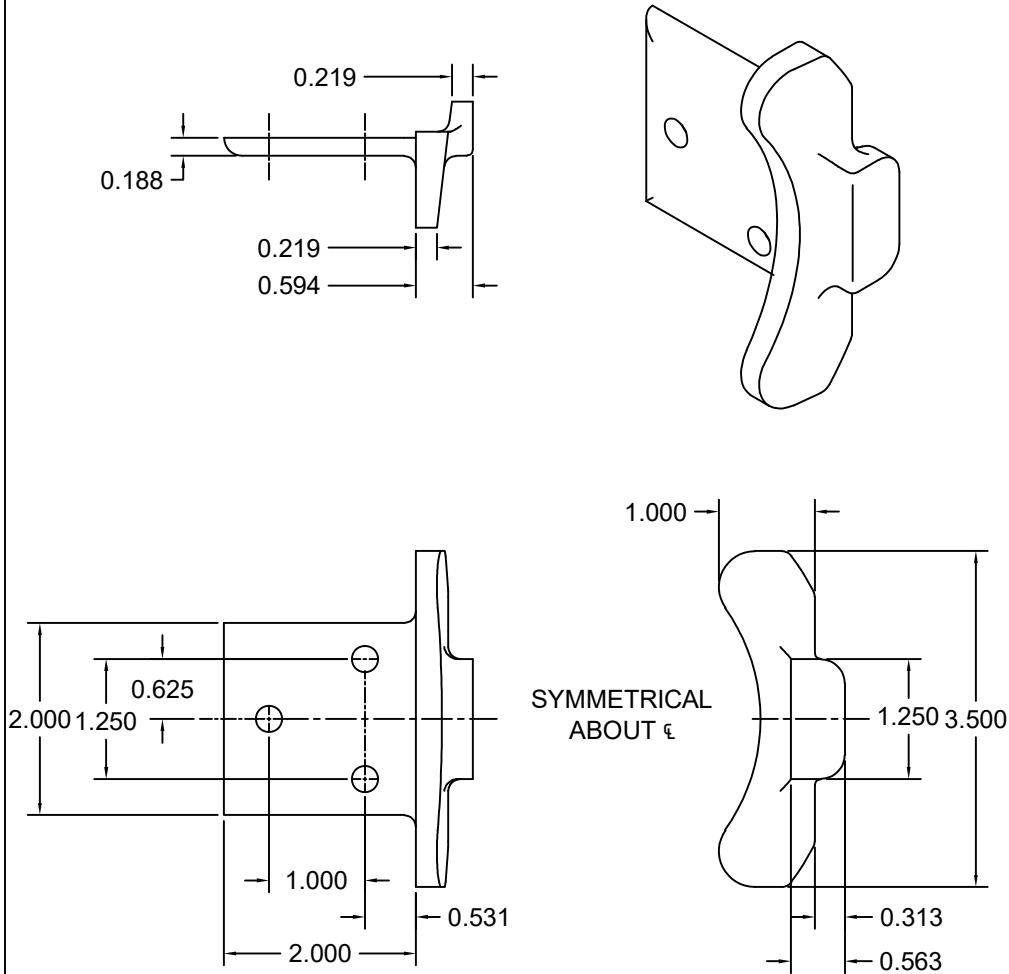
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INSULATED ROLLING STEEL DOOR
CP0001/CP0651 SLAT IMPACT RATED

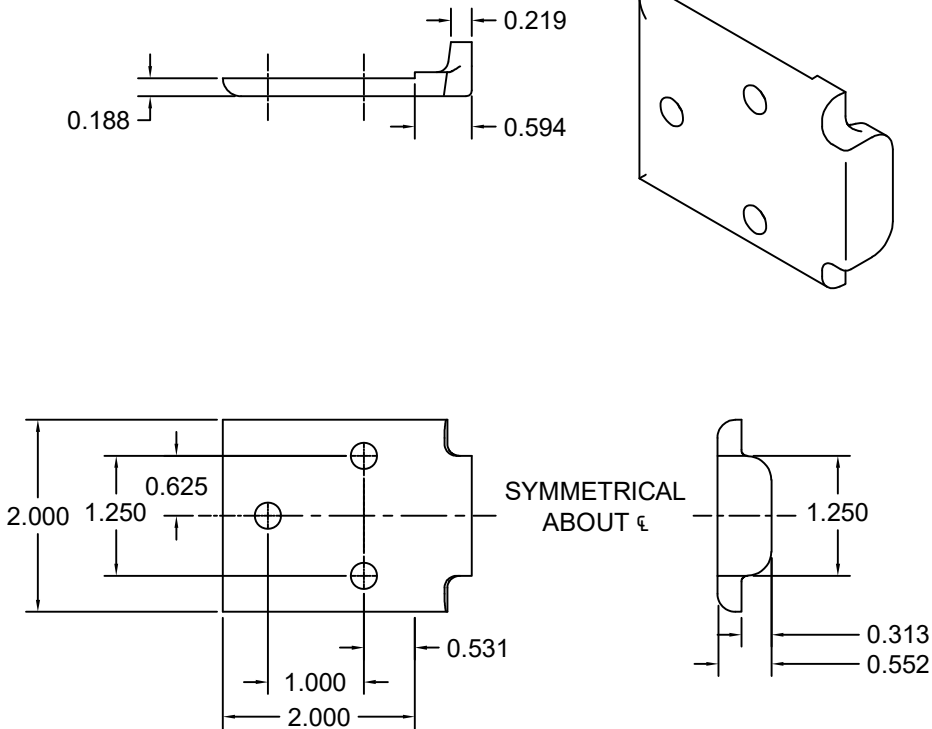
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DWG NO: ES-16-138-CIW			

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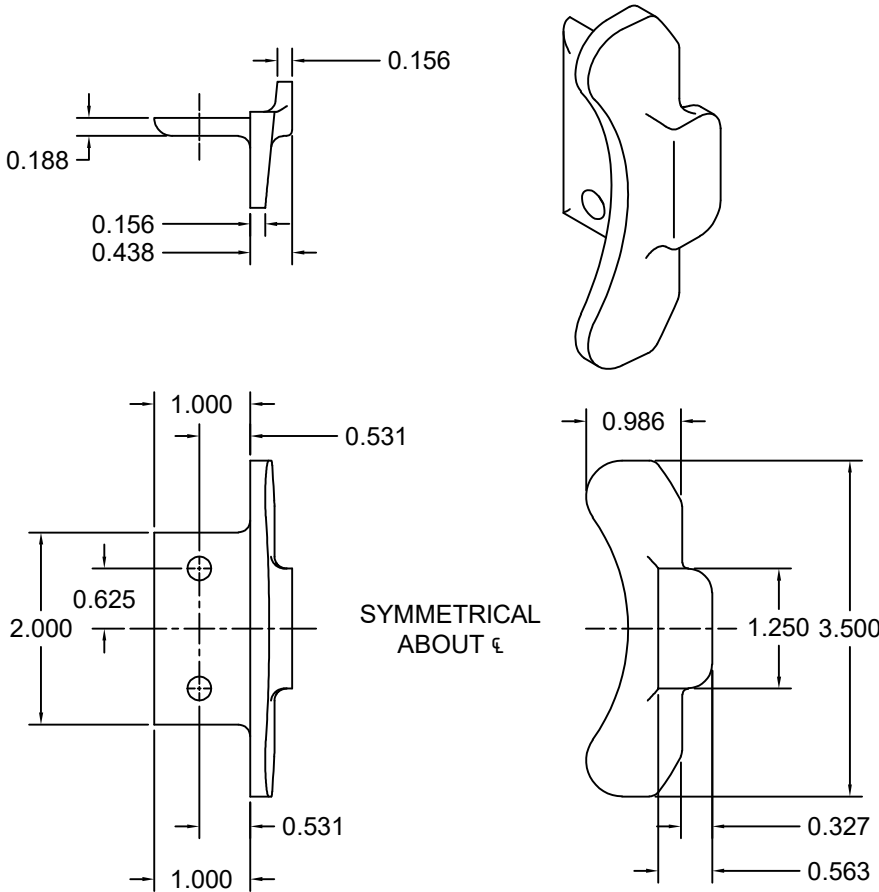
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⑪ CP0630 ENDLOCK / WINDLOCK DETAIL
 CAST MALLEABLE IRON ASTM A47, GRADE 32510, OR
 DUCTILE IRON PER ASTM A536 GRADE 65-45-12, GALVANIZED IN ACCORDANCE WITH
 ASTM A123, GRADE 85 ZINC-COATING
 1/2 SCALE



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



⑬ CP0629 ENDLOCK / WINDLOCK DETAIL
 CAST MALLEABLE IRON ASTM A47, GRADE 32510, OR
 DUCTILE IRON PER ASTM A536 GRADE 65-45-12, GALVANIZED IN ACCORDANCE WITH
 ASTM A123, GRADE 85 ZINC-COATING
 1/2 SCALE





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

DRAWN BY:
KAD

SIZE:
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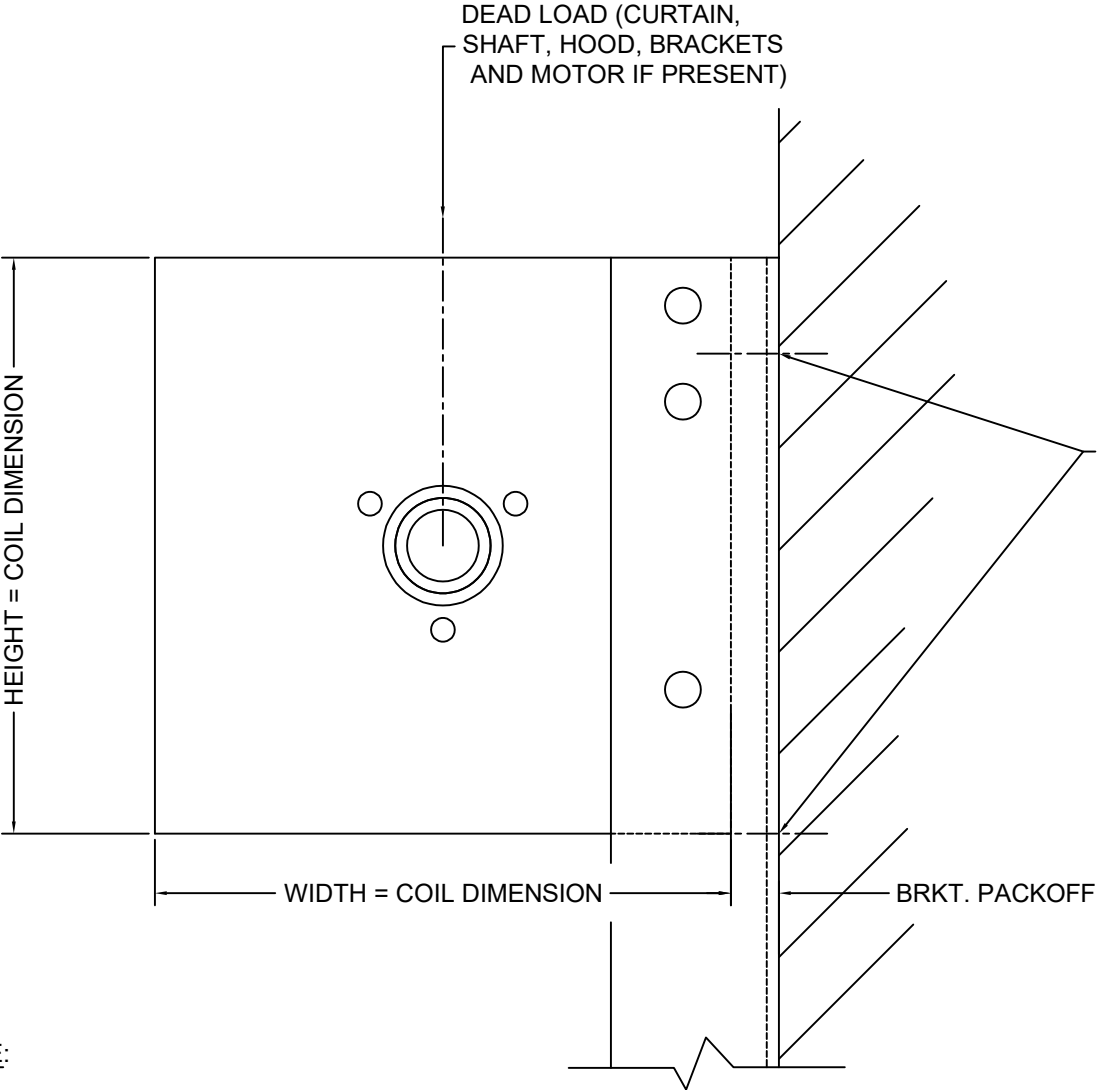
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AS NOTED

SHEET:
4/37

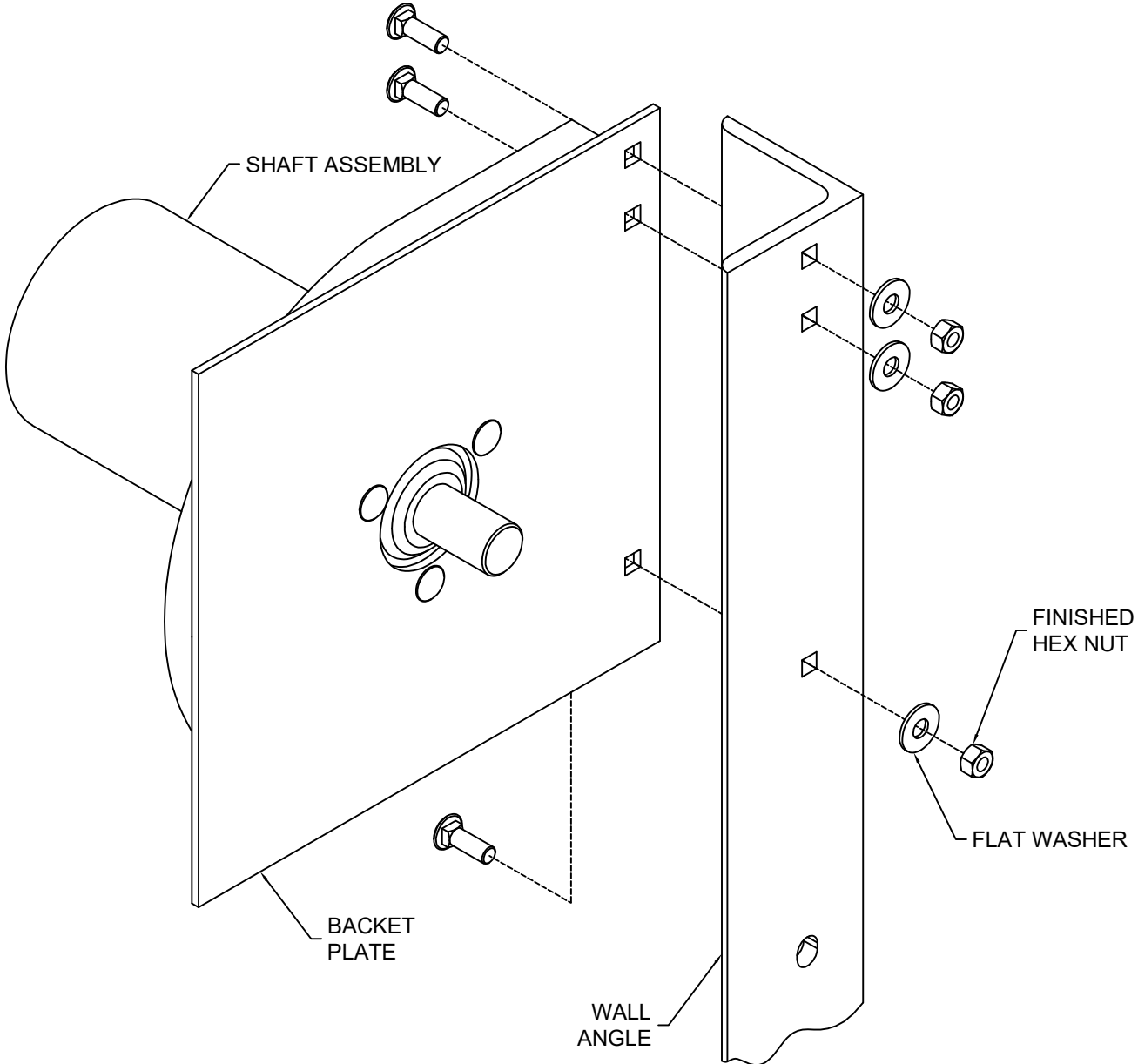
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ES-16-138-CIW

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



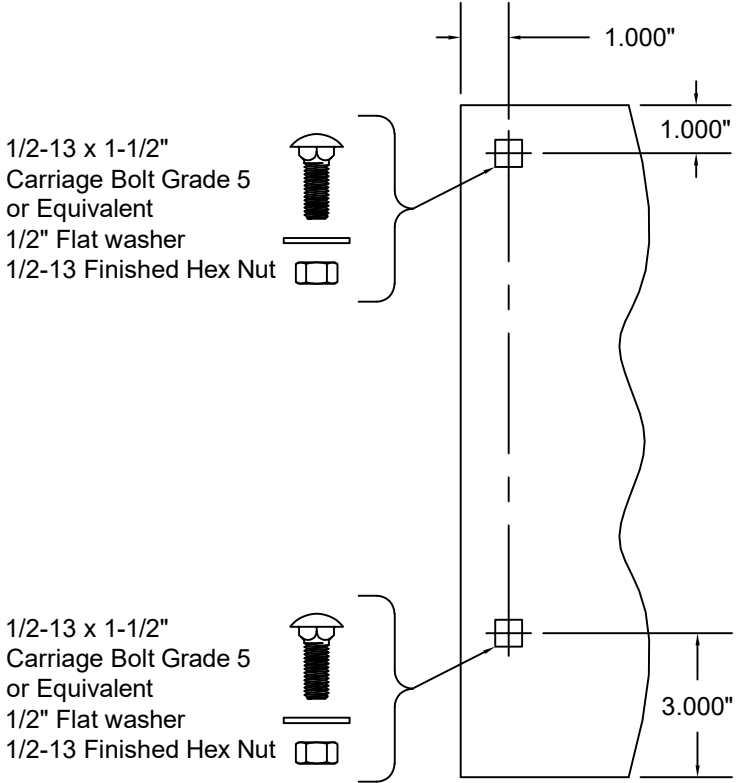
NOTE:
1. STANDARD BRACKET MOUNTING DETAIL IS DEPICTED, OTHER MOUNTINGS ARE AVAILABLE



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TITLE: WIND LOAD CONFIGURATION INSULATED ROLLING STEEL DOOR CP0001/CP0651 SLAT IMPACT RATED		DRAWN BY: KAD	SIZE: B	SCALE: AS NOTED	SHEET: 5/37
		DWG NO: ES-16-138-CIW			

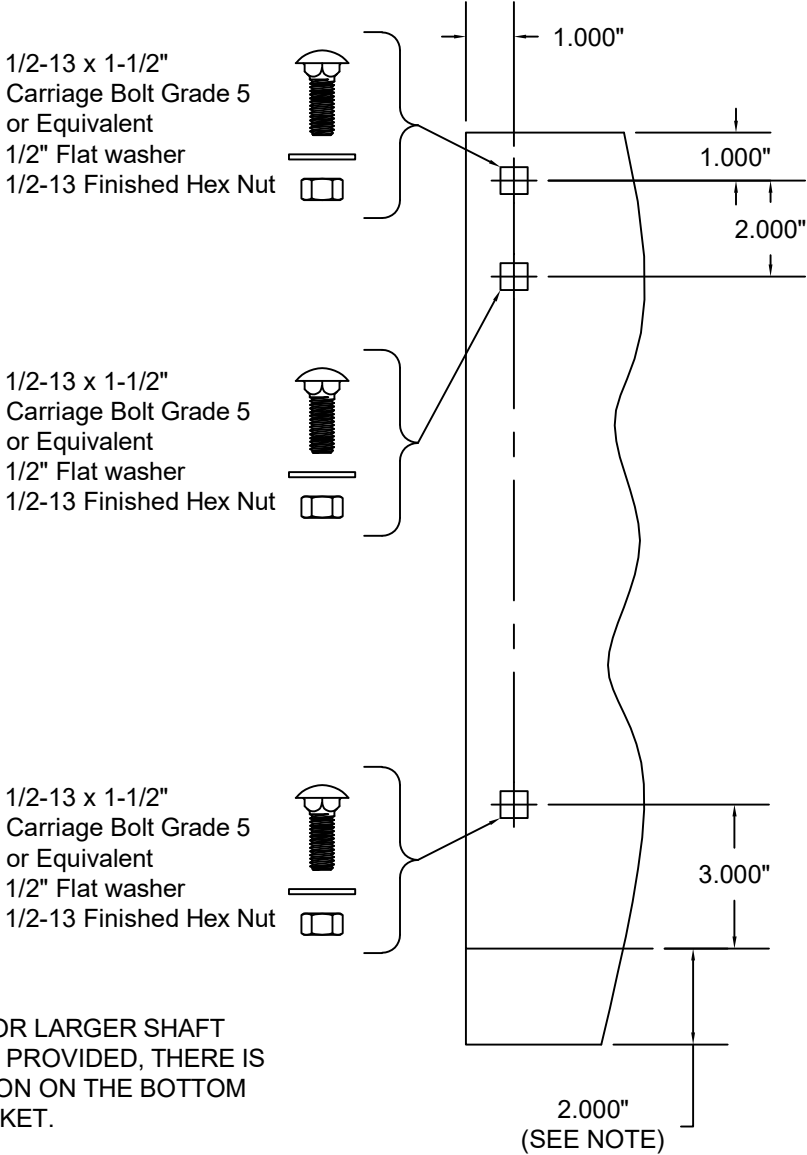
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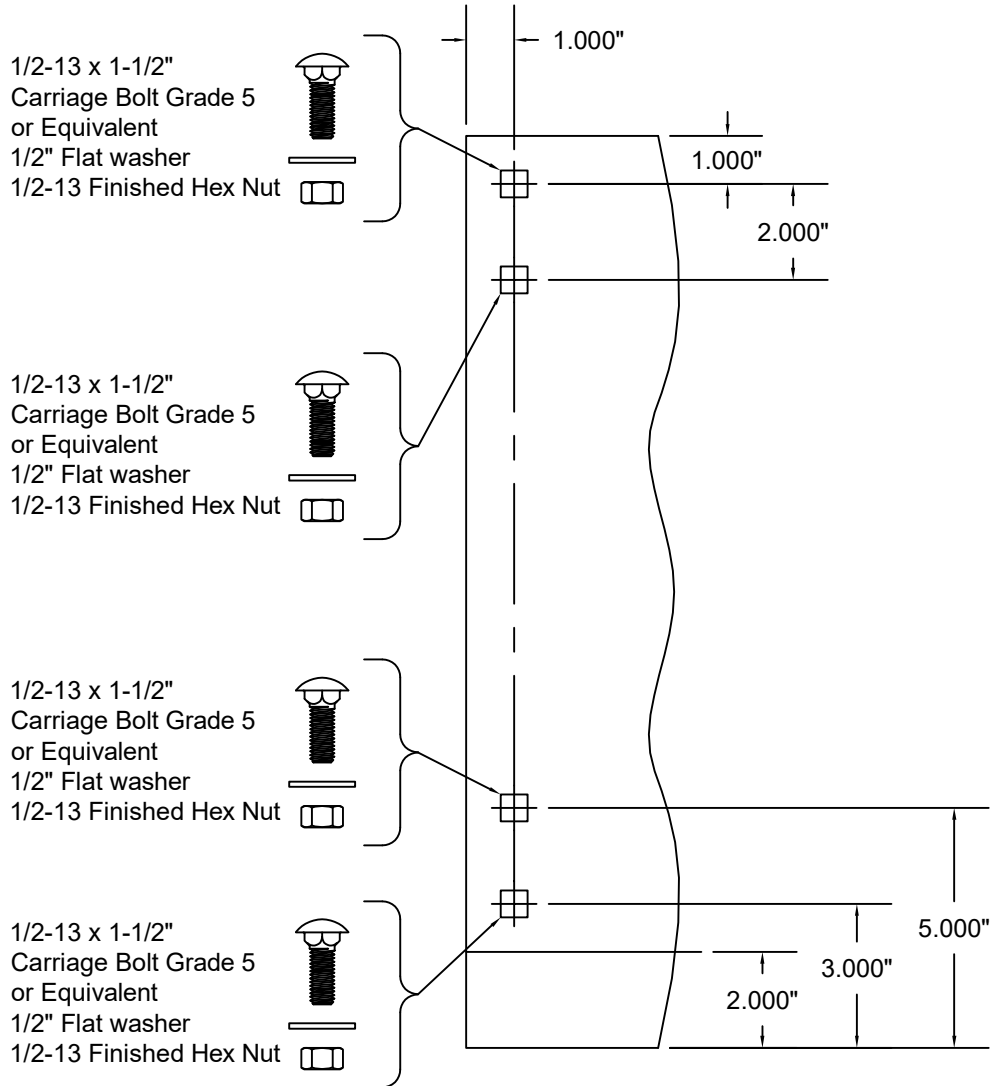


THRU 6"Ø SHAFT ASSEMBLY
14" THRU 16" COIL DIMENSION
MIN. THICKNESS 0.172" ASTM A36
OR ASTM A480 STAINLESS STEEL,
TYPES 304 OR 316, MINIMUM 36 KSI YIELD STRENGTH
SCALE: 1-1/2" = 1'-0"

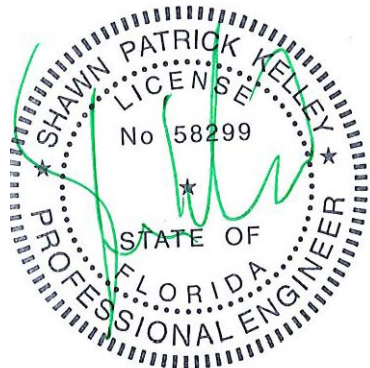
NOTE:
WHEN A 8"Ø OR LARGER SHAFT
ASSEMBLY IS PROVIDED, THERE IS
A 2" EXTENSION ON THE BOTTOM
OF THE BRACKET.



THRU 10"Ø SHAFT ASSEMBLY
17" AND LARGER COIL DIMENSION
MIN. THICKNESS 0.240" ASTM A36
OR ASTM A480 STAINLESS STEEL,
TYPES 304 OR 316, MINIMUM 36 KSI YIELD STRENGTH
SCALE: 1-1/2" = 1'-0"



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



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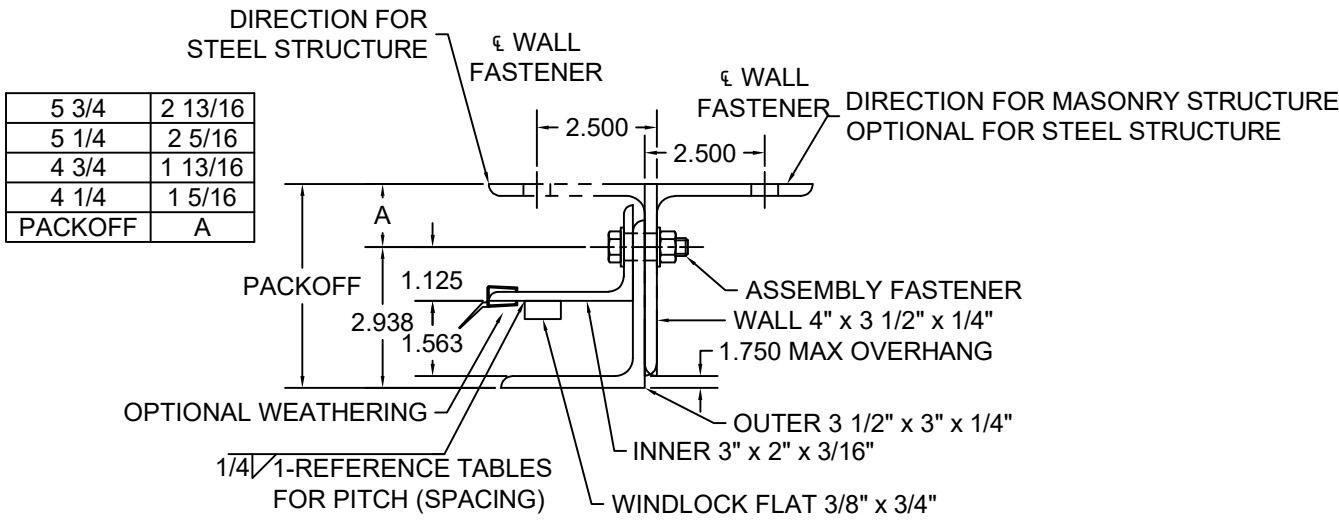
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INSULATED ROLLING STEEL DOOR
CP0001/CP0651 SLAT IMPACT RATED

DRAWN BY: KAD
SIZE: B
SCALE: AS NOTED
SHEET: 6/37

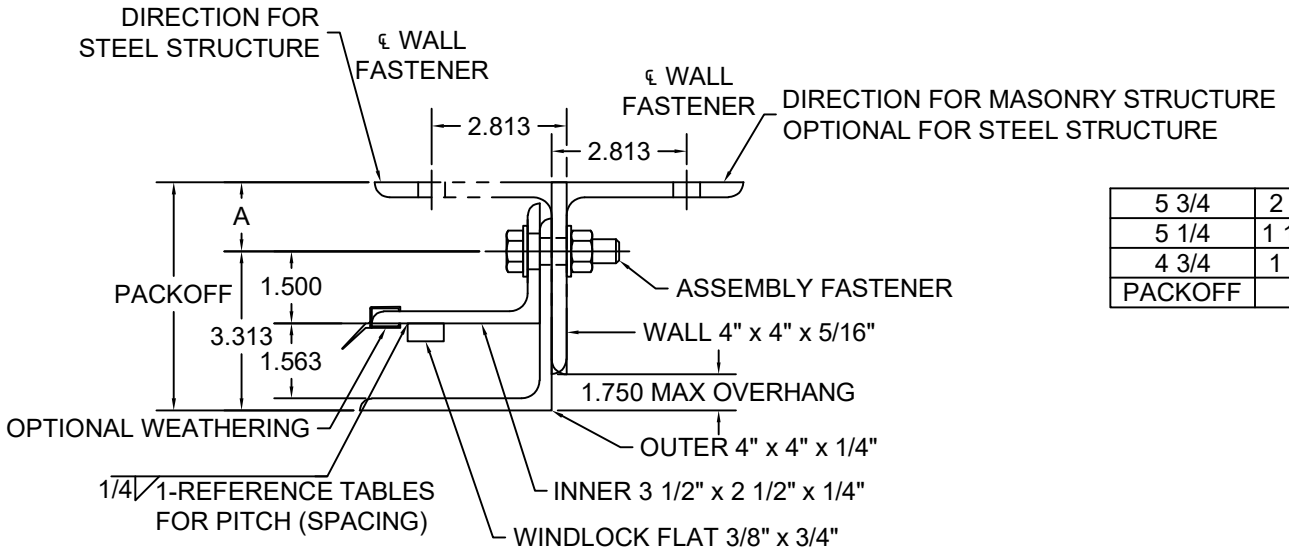
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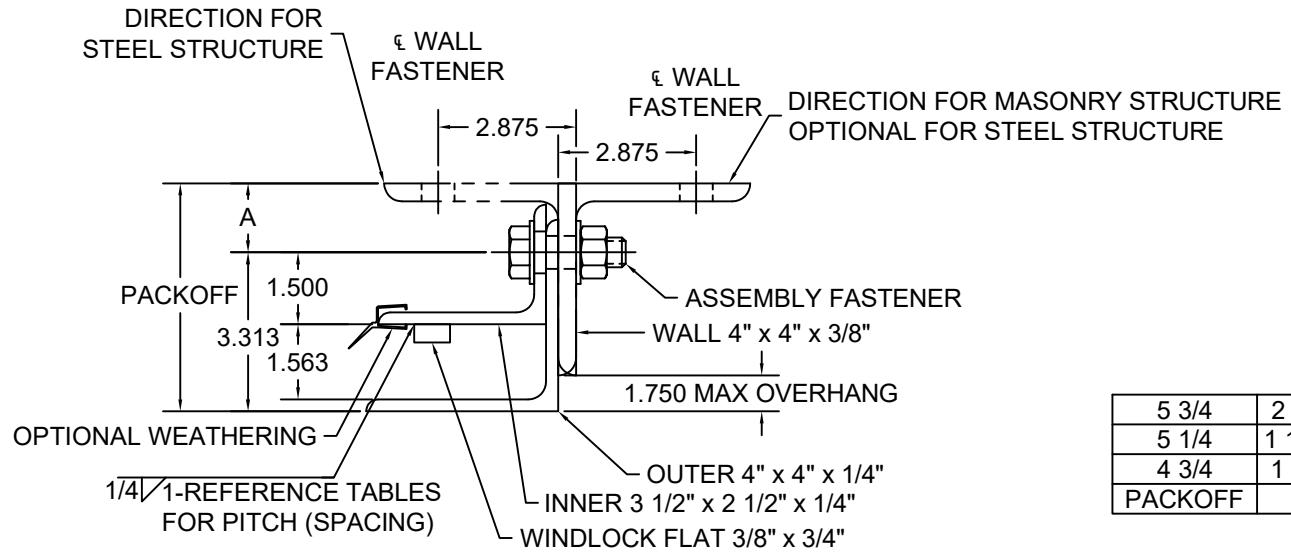
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GUIDE ASSEMBLY TYPE 344
SCALE: 3" = 1'-0"



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



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





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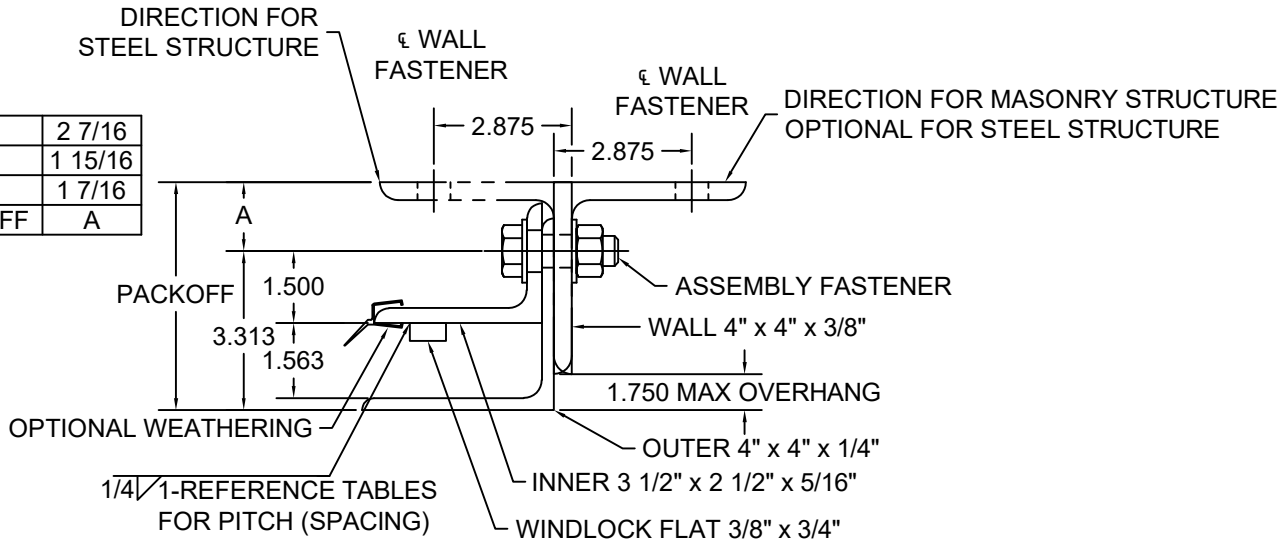
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CP0001/CP0651 SLAT IMPACT RATED

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SHEET: 7/37

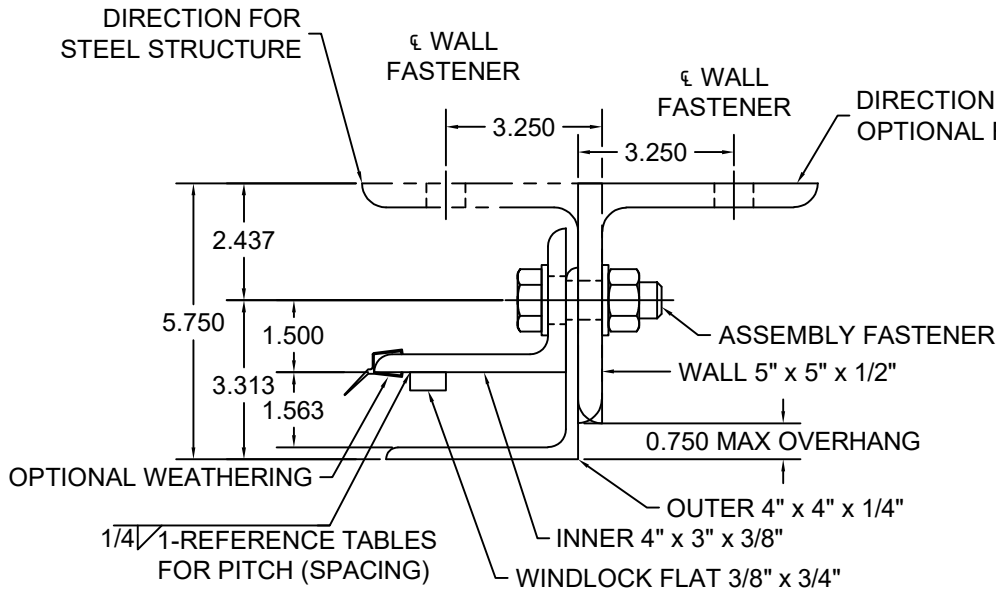
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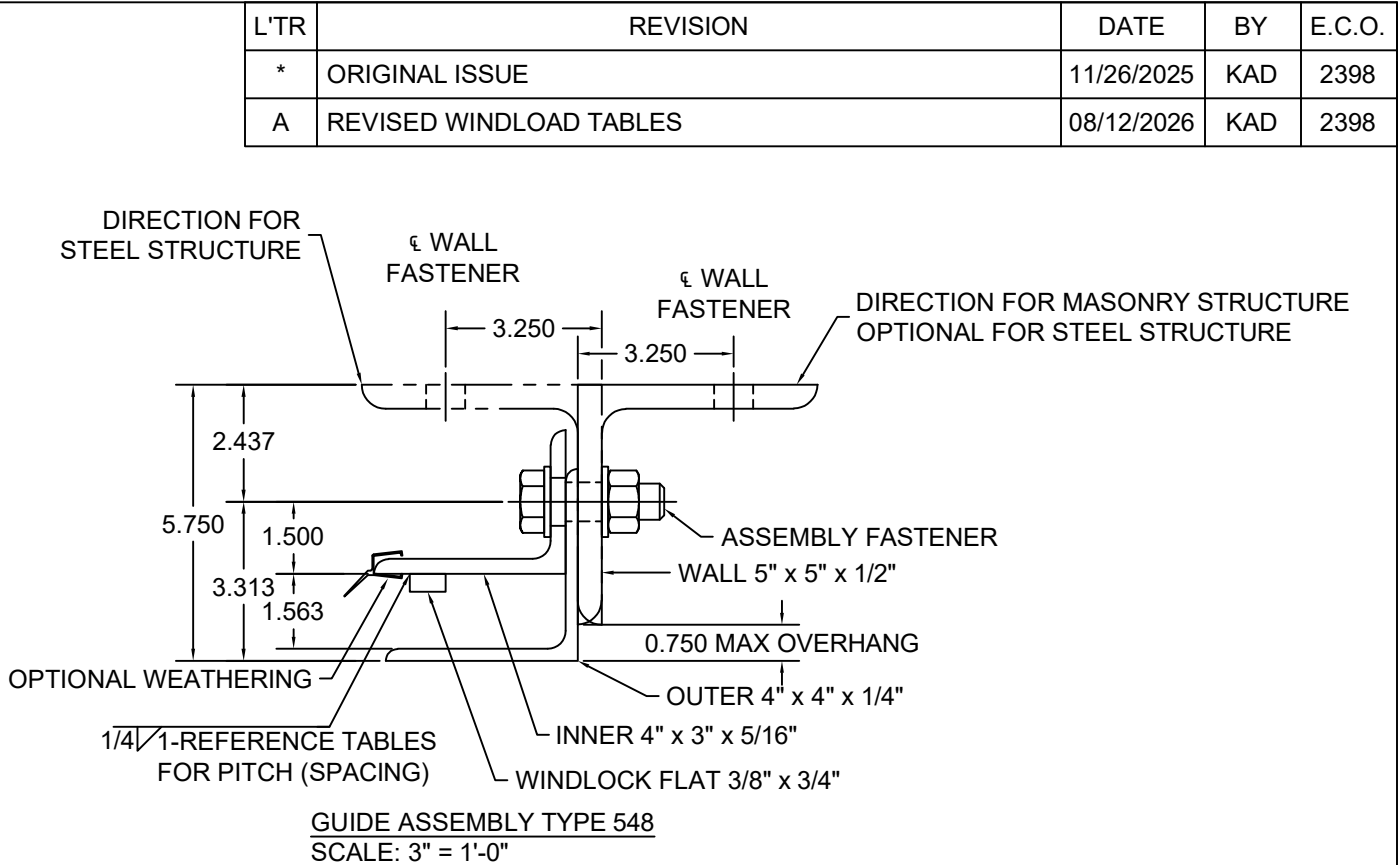
5 3/4	2 7/16
5 1/4	1 15/16
4 3/4	1 7/16
PACKOFF	A



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



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



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



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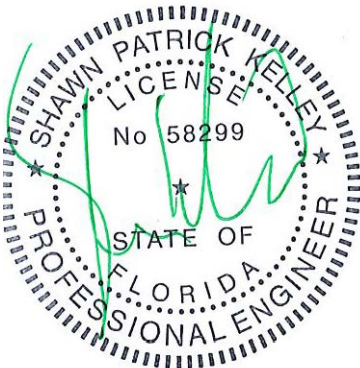
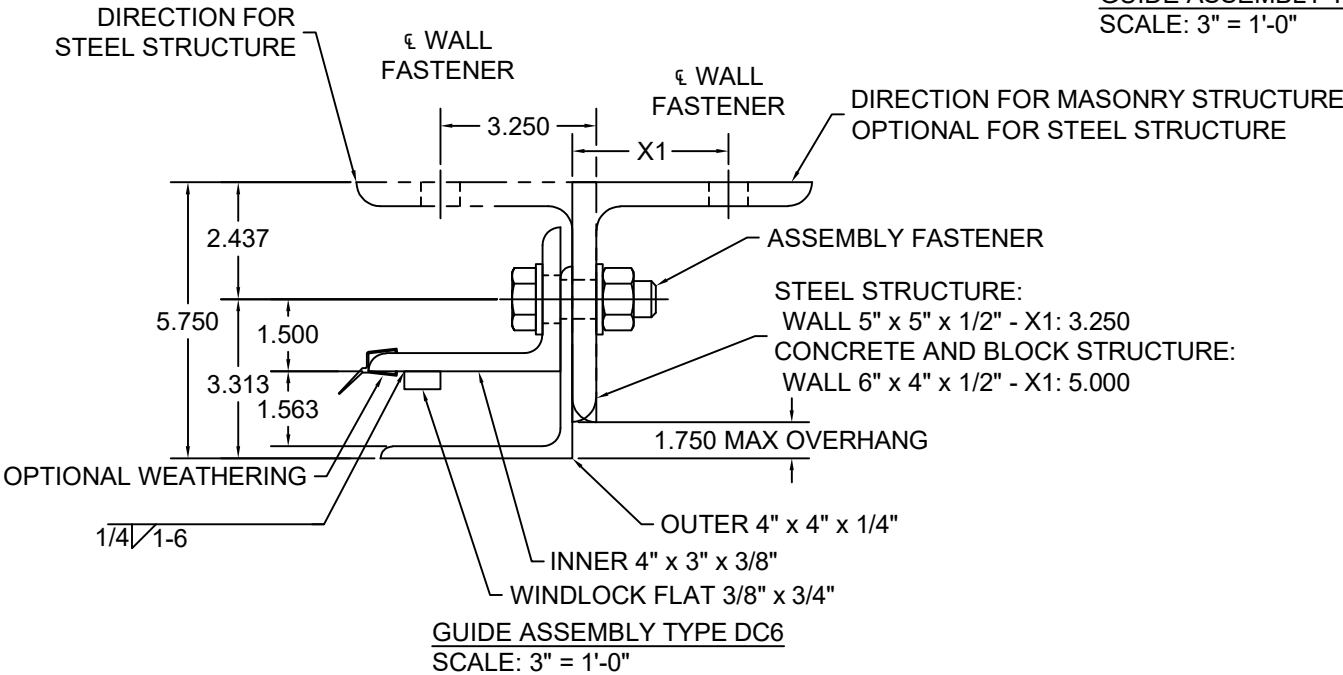
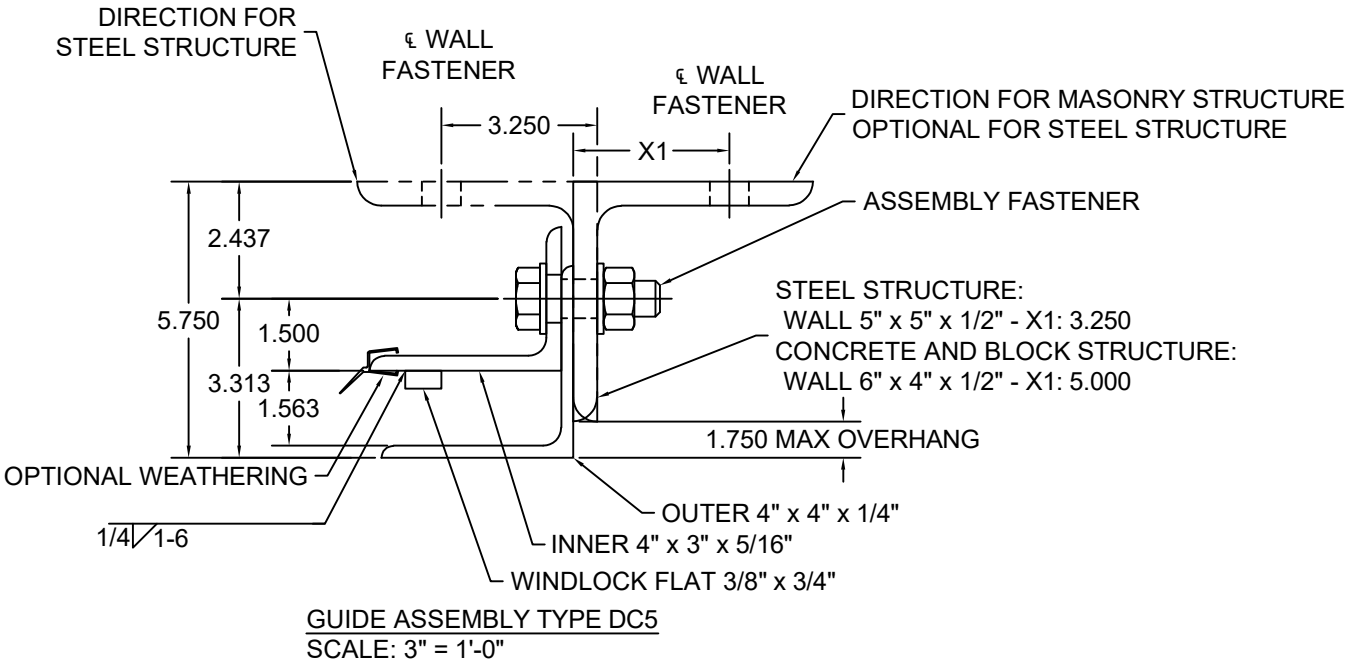
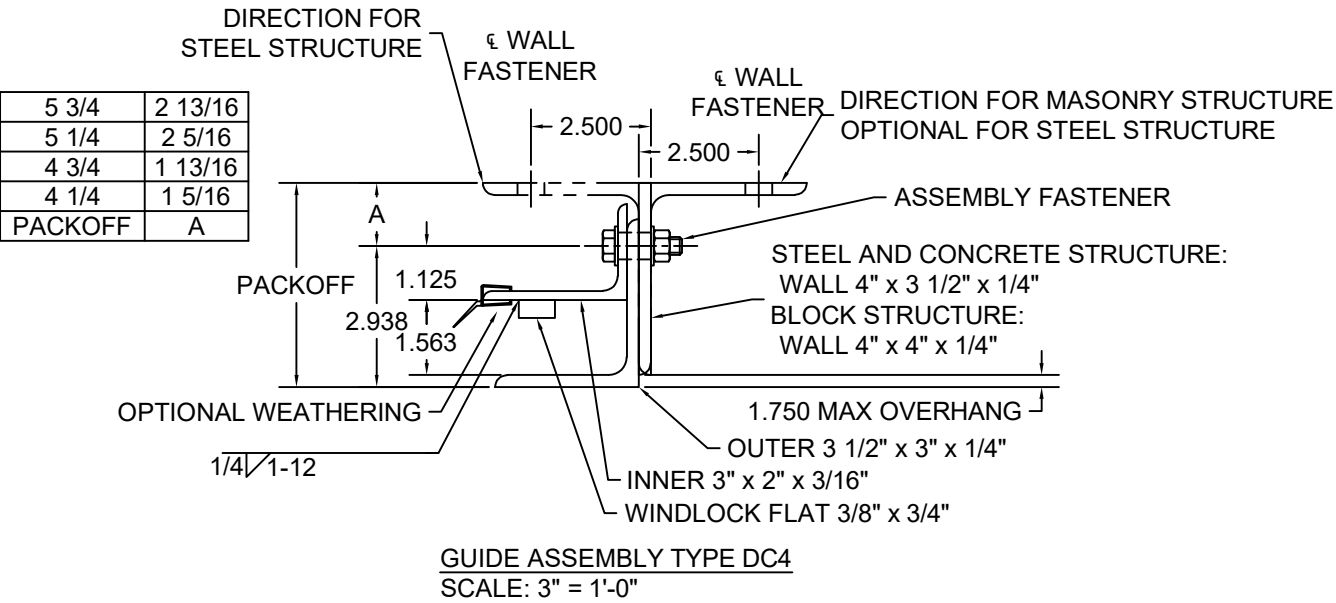
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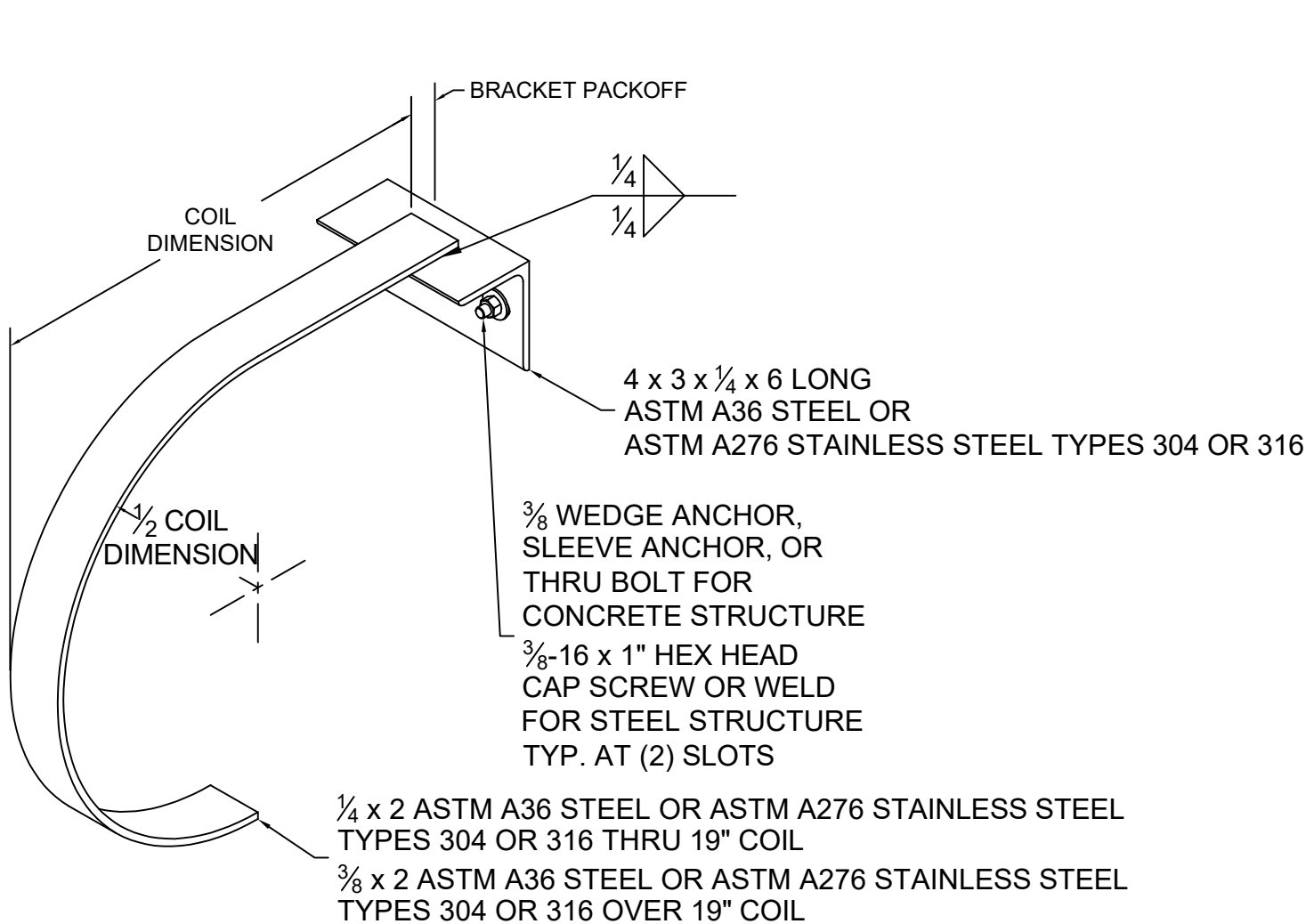
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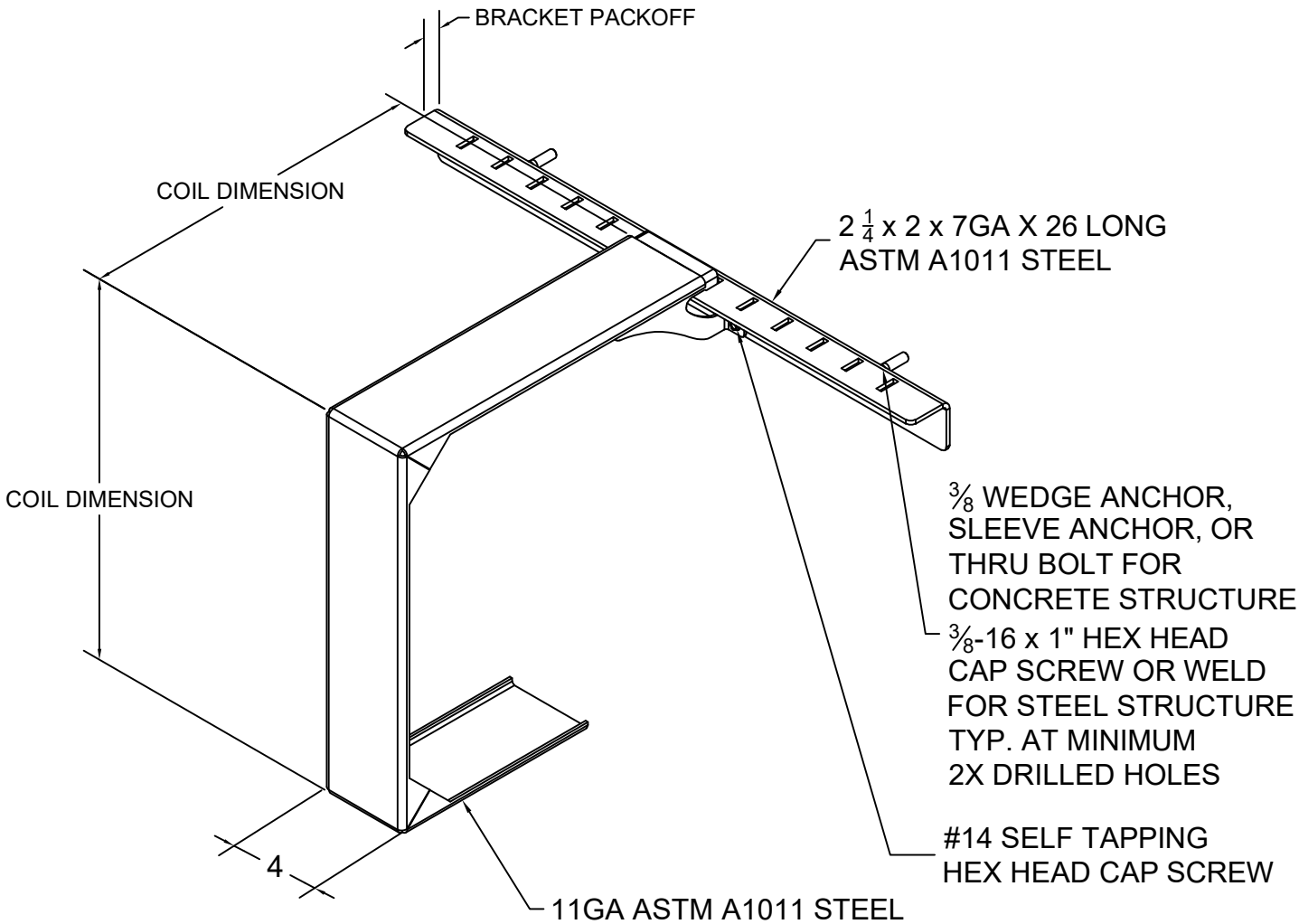
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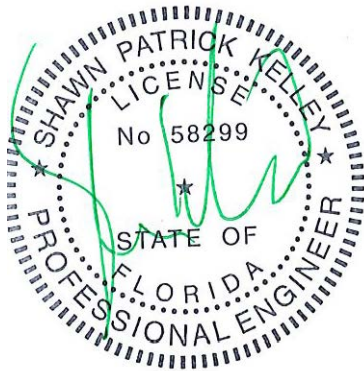
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MID-HOOD SUPPORT
(WHEN REQUIRED)
"D" SHAPE DEPICTED, SQUARE STYLE ALSO AVAILABLE
SCALE: NTS



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



CORNELL Innovative door solutions.™	24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ		Unless otherwise specified, dimensions are in inches & tolerances are: 0.000 = +/- 0.031 FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG			
	P: 800.233.8366 F: 800.526.0841 E: ADS@CORNELLIRON.COM					
TITLE: WIND LOAD CONFIGURATION INSULATED ROLLING STEEL DOOR CP0001/CP0651 SLAT IMPACT RATED			DRAWN BY:	SIZE:	SCALE:	SHEET:
			KAD	B	AS NOTED	10/37
			DWG NO: ES-16-138-CIW			

REVIEWED FOR SPECIFIED DOOR COMPONENTS ONLY, EXISTING STRUCTURE NOT ANALYZED

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	11/26/2025	KAD	2398
A	REVISED WINDLOAD TABLES	08/12/2026	KAD	2398

CP0001/CP0651 - 0.0296_0.022 Minimum Thickness Galvanized or Stainless Steel - 20 PSF																																												
Guide Construction								Filled CMU																				Steel (Wall anchors are the same diameter as assembly fasteners)																
D.B.G. Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Flat Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt T22 Carbon & Stainless Steel		Powers Power-Stud+ SD1			Simpson Strong-Bolt 2			Hilti KH-EZ			Simpson Strong-Tie Titan			Hilti KH-EZ Stainless Steel			Simpson Strong-Tie Titan Stainless Steel			Through Bolting		Min. Edge Distance	Welded		Through Bolt			Tapped Bolt			Superimposed Loads				D.B.G. Up To	
								Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.		Dia.	Slot Max O.C.	Heel and Toe Max O.C.	Slot Size	Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Min Thickness	Vx (+)	Vy (+)	Vx (-)		Vy (-)
4'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	16	3/8	1 7/8	18	3/8	2 3/8	18	3/8	2 5/8	13	3/8	1 5/8	20	3/8	2 3/4	14	3/8	2	18	3/8	2 3/4	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	45	0	44	4'-5"
5'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	13	3/8	1 7/8	15	3/8	2 3/8	15	3/8	2 5/8	10	3/8	1 5/8	16	3/8	2 3/4	11	3/8	2	14	3/8	2 3/4	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	55	0	54	5'-5"
6'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	11	3/8	1 7/8	13	3/8	2 3/8	12	3/8	2 5/8	9	3/8	1 5/8	14	3/8	2 3/4	9	3/8	2	12	3/8	2 3/4	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	65	0	64	6'-5"
7'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	10	3/8	1 7/8	11	3/8	2 3/8	11	3/8	2 5/8	31	3/8	3 1/4	12	3/8	2 3/4	8	3/8	2	10	3/8	2 3/4	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	75	0	74	7'-5"
8'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	3/8	1 7/8	10	3/8	2 3/8	9	3/8	2 5/8	28	3/8	3 1/4	15	1/2	3 1/2	27	3/8	3 1/4	15	1/2	3 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	85	0	84	8'-5"
9'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	3/8	1 7/8	8	3/8	2 3/8	8	3/8	2 5/8	25	3/8	3 1/4	13	1/2	3 1/2	24	3/8	3 1/4	13	1/2	3 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	95	0	94	9'-5"
10'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	13	3/8	3	8	3/8	2 3/8	9	1/2	3 1/2	22	3/8	3 1/4	12	1/2	3 1/2	22	3/8	3 1/4	12	1/2	3 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	105	0	104	10'-5"
11'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	12	3/8	3	8	1/2	2 1/2	8	1/2	3 1/2	20	3/8	3 1/4	15	5/8	4 1/2	20	3/8	3 1/4	15	5/8	4 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	115	0	114	11'-5"
12'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	11	3/8	3	8	1/2	2 1/2	8	1/2	3 1/2	19	3/8	3 1/4	14	5/8	4 1/2	18	3/8	3 1/4	14	5/8	4 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	125	0	124	12'-5"
13'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	10	3/8	3	10	5/8	3 3/8	12	5/8	4 3/8	17	3/8	3 1/4	13	5/8	4 1/2	17	3/8	3 1/4	13	5/8	4 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	135	0	134	13'-5"
14'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	9	3/8	3	9	5/8	3 3/8	11	5/8	4 3/8	16	3/8	3 1/4	12	5/8	4 1/2	16	3/8	3 1/4	12	5/8	4 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	145	0	144	14'-5"
15'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	9	3/8	3	8	5/8	3 3/8	11	5/8	4 3/8	15	3/8	3 1/4	14	3/4	5 1/2	15	3/8	3 1/4	9	3/4	5 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	155	0	154	15'-5"
16'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	3/8	3	8	5/8	3 3/8	10	5/8	4 3/8	14	3/8	3 1/4	13	3/4	5 1/2	14	3/8	3 1/4	8	3/4	5 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	165	0	164	16'-5"
17'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	9	3/8	1 7/8	10	3/8	2 3/8	10	3/8	2 5/8	30	3/8	3 1/4	15	1/2	3 1/2	8	3/8	2	14	1/2	3 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	22	18	3/16	144	175	128	174	17'-5"
18'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	9	3/8	3	8	1/2	2 1/2	8	1/2	3 1/2	18	3/8	3 1/4	14	5/8	4 1/2	18	3/8	3 1/4	11	5/8	4 1/2	8	3/8	5 3/4	33	36	7/16" x 5/8"	31	24	11	9	3/16	295	185	281	184	18'-5"
19'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	9	1/2	3 3/4	8	5/8	3 3/8	9	5/8	4 3/8	12	3/8	3 1/4	13	3/4	5 1/2	12	3/8	3 1/4		N/A		8	3/8	5 3/4	23	36	7/16" x 5/8"	22	16	8	6	3/16	438	195	425	194	19'-5"
20'-5"	1 1/2	0.719	CP0629	344	12	3/8	15	9	5/8	4 1/2		N/A		8	3/4	5 1/4	9	3/8	3 1/4		N/A		13	1/2	4 1/4		N/A		8	3/8	5 3/4	17	33	7/16" x 5/8"	16	11	6	5	3/16	572	205	560	205	20'-5"
21'-5"	1 1/2	0.719	CP0629	344	12	3/8	12	13	3/4	5 1/2		N/A			N/A		12	1/2	4 1/4		N/A		9	1/2	4 1/4		N/A		8	3/8	5 3/4	14	27	7/16" x 5/8"	12	8	5	N/A	3/16	702	215	690	215	21'-5"
22'-5"	2	1.219	CP0629	445	12	1/2	18	8	5/8	4 1/2		N/A		8	3/4	5 1/4	15	1/2	4 1/4		N/A		13	1/2	4 1/4		N/A		8	1/2	6 13/16	25	36	9/16" x 3/4"	35	27	12	9	1/4	631	234	624	234	22'-5"
23'-5"	2	1.219	CP0629	445	12	1/2	18	8	5/8	4 1/2		N/A		8	3/4	5 1/4	15	1/2	4 1/4		N/A		13	1/2	4 1/4		N/A		8	1/2	6 13/16	25	36	9/16" x 3/4"	35	27	12	9	1/4	631	234	624	234	23'-5"
24'-5"	2	1.219	CP0629	445	12	1/2	18	13	3/4	5 1/2		N/A		N/A			13	1/2	4 1/4		N/A		10	1/2	4 1/4		N/A		8	1/2	6 13/16	22	34	9/16" x 3/4"	30	23	10	7	1/4	730	244	723	244	24'-5"
25'-5"	2	1.219	CP0629	445	11	1/2	18	12	3/4	5 1/2		N/A		N/A			10	1/2	4 1/4		N/A		9	1/2	4 1/4		N/A		8	1/2	6 13/16	19	30	9/16" x 3/4"	26	20	9	6	1/4	826	254	820	254	25'-5"
26'-5"	2	1.156	CP0630	445	10	1/2	17	10	3/4	5 1/2		N/A		N/A			9	1/2	4 1/4		N/A		8	1/2	4 1/4		N/A		8	1/2	6 13/16	17	26	9/16" x 3/4"	23	16	8	6	1/4	955	264	948	264	26'-5"
27'-5"	2	1.156	CP0630	445	10	1/2	16	9	3/4	5 1/2		N/A		N/A			8	1/2	4 1/4		N/A		N/A			N/A		8	1/2	6 13/16	15	24	9/16" x 3/4"	20	14	7	5	1/4	1050	274	1044	275	27'-5"	
28'-5"	2	1.156	CP0630	445	9	1/2	14	8	3/4	5 1/2		N/A		N/A			9	3/4	6 1/4		N/A		N/A			N/A		8	1/2	6 13/16	14	22	9/16" x 3/4"	18	13	6	5	1/4	1144	284	1138	285	28'-5"	
29'-5"	2	1.156	CP0630	445	9	1/2	13					N/A		N/A			8	3/4	6 1/4		N/A		N/A			N/A		8	1/2	6 13/16	13	20	9/16" x 3/4"	16	11	6	N/A	1/4	1238	294	1231	295	29'-5"	
30'-5"	2	1.156	CP0630	445	9	1/2	13					N/A		N/A			N/A				N/A		N/A			N/A		8	1/2	6 13/16	12	19	9/16" x 3/4"	15	10	6	N/A	1/4	1331	304	1324	305	30'-5"	
31'-5"	2	1.156	CP0630	445	8	1/2	12					N/A		N/A			N/A				N/A		N/A			N/A		8	1/2	6 13/16	11	17	9/16" x 3/4"	13	9	5	N/A	1/4	1423	314	1417	315	31'-5"	
32'-5"	2	1.156	CP0630	446	8	5/8	18					N/A		N/A			N/A				N/A		N/A			N/A		8	5/8	6 7/8	12	19	11/16" x 7/8"	22	16	7	5	5/16	1516	325	1509	325	32'-5"	
33'-5"	2	1.156	CP0630	446	8	5/8	17					N/A		N/A			N/A				N/A		N/A			N/A		8	5/8	6 7/8	11	18	11/16" x 7/8"	20	14	7	5	5/16	1609	335	1602	335	33'-5"	
34'-5"	2	1.156	CP0630 & CP0647	446	8	5/8	16					N/A		N/A																														

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*	ORIGINAL ISSUE	11/26/2025	KAD	2398
A	REVISED WINDLOAD TABLES	08/12/2026	KAD	2398

CP0001/CP0651 - 0.0296, 0.022 Minimum Thickness Galvanized or Stainless Steel - 20 PSF - Continued																																														
Concrete Minimum 4,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																																														
D.B.G. Up To	Guide Assembly	Simpson Strong-Bolt 2			Hilti Kwik Bolt 1			Powers Power-Stud+ SD1			Hilti Kwik Bolt TZ2			Hilti KH-EZ			ITW Redhead Trubolt			Hilti HVU2			Through Bolting - Carbon Steel Max O.C.	Through Bolting - Stainless Steel Max O.C.	Simpson Strong-Bolt 2 Stainless Steel			Powers Power-Stud+ SD4 Stainless Steel			Hilti Kwik Bolt TZ2 Stainless Steel			Hilti KH-EZ Stainless Steel			Simpson Titen HD Stainless Steel			Min. Edge Distance	D.B.G. Up To					
		Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.			Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.							
4'-5"	344		N/A		36	2 3/8	4	36	2 3/8	3 3/4	36	2 1/2	4	36	2 1/2	4	36	2 1/4	4	36	3 1/2	4 3/4	36		36		N/A		33	1 7/8	3 1/4	36	2 1/2	4	36	2 1/2	4	36	2 1/2	4	5 3/4	4'-5"				
5'-5"	344		N/A		34	2 3/8	4	33	2 3/8	3 3/4	34	2 1/2	4	36	2 1/2	4	33	2 1/4	4	36	3 1/2	4 3/4	36		36		N/A		30	1 7/8	3 1/4	34	2 1/2	4	36	2 1/2	4	36	2 1/2	4	5 3/4	5'-5"				
6'-5"	344		N/A		31	2 3/8	4	30	2 3/8	3 3/4	31	2 1/2	4	36	2 1/2	4	30	2 1/4	4	36	3 1/2	4 3/4	36		36		N/A		27	1 7/8	3 1/4	31	2 1/2	4	36	2 1/2	4	36	2 1/2	4	5 3/4	6'-5"				
7'-5"	344		N/A		29	2 3/8	4	28	2 3/8	3 3/4	29	2 1/2	4	36	2 1/2	4	28	2 1/4	4	36	3 1/2	4 3/4	36		36		N/A		25	1 7/8	3 1/4	29	2 1/2	4	36	2 1/2	4	36	2 1/2	4	5 3/4	7'-5"				
8'-5"	344		N/A		27	2 3/8	4	26	2 3/8	3 3/4	27	2 1/2	4	36	2 1/2	4	26	2 1/4	4	36	3 1/2	4 3/4	36		36		N/A		24	1 7/8	3 1/4	27	2 1/2	4	36	2 1/2	4	36	2 1/2	4	5 3/4	8'-5"				
9'-5"	344		N/A		26	2 3/8	4	25	2 3/8	3 3/4	26	2 1/2	4	34	2 1/2	4	25	2 1/4	4	36	3 1/2	4 3/4	36		36		N/A		22	1 7/8	3 1/4	25	2 1/2	4	35	2 1/2	4	36	2 1/2	4	5 3/4	9'-5"				
10'-5"	344		N/A		24	2 3/8	4	24	2 3/8	3 3/4	25	2 1/2	4	32	2 1/2	4	24	2 1/4	4	36	3 1/2	4 3/4	36		36		N/A		21	1 7/8	3 1/4	24	2 1/2	4	34	2 1/2	4	34	2 1/2	4	5 3/4	10'-5"				
11'-5"	344		N/A		23	2 3/8	4	22	2 3/8	3 3/4	23	2 1/2	4	31	2 1/2	4	22	2 1/4	4	36	3 1/2	4 3/4	36		36		N/A		20	1 7/8	3 1/4	23	2 1/2	4	32	2 1/2	4	33	2 1/2	4	5 3/4	11'-5"				
12'-5"	344		N/A		22	2 3/8	4	22	2 3/8	3 3/4	23	2 1/2	4	29	2 1/2	4	22	2 1/4	4	36	3 1/2	4 3/4	36		36		N/A		19	1 7/8	3 1/4	22	2 1/2	4	31	2 1/2	4	31	2 1/2	4	5 3/4	12'-5"				
13'-5"	344		N/A		22	2 3/8	4	21	2 3/8	3 3/4	22	2 1/2	4	28	2 1/2	4	21	2 1/4	4	36	3 1/2	4 3/4	36		36		N/A		19	1 7/8	3 1/4	21	2 1/2	4	30	2 1/2	4	30	2 1/2	4	5 3/4	13'-5"				
14'-5"	344		N/A		21	2 3/8	4	20	2 3/8	3 3/4	21	2 1/2	4	27	2 1/2	4	20	2 1/4	4	34	3 1/2	4 3/4	36		35		N/A		18	1 7/8	3 1/4	20	2 1/2	4	28	2 1/2	4	29	2 1/2	4	5 3/4	14'-5"				
15'-5"	344		N/A		20	2 3/8	4	19	2 3/8	3 3/4	20	2 1/2	4	26	2 1/2	4	18	2 1/4	4	32	3 1/2	4 3/4	36		33		N/A		17	1 7/8	3 1/4	20	2 1/2	4	28	2 1/2	4	28	2 1/2	4	5 3/4	15'-5"				
16'-5"	344		N/A		19	2 3/8	4	19	2 3/8	3 3/4	20	2 1/2	4	25	2 1/2	4	17	2 1/4	4	30	3 1/2	4 3/4	36		31		N/A		17	1 7/8	3 1/4	19	2 1/2	4	27	2 1/2	4	27	2 1/2	4	5 3/4	16'-5"				
17'-5"	344		N/A		26	2 3/8	4	26	2 3/8	3 3/4	28	2 1/2	4	34	2 1/2	4	26	2 1/4	4	36	3 1/2	4 3/4	36		36		N/A		21	1 7/8	3 1/4	27	2 1/2	4	36	2 1/2	4	36	2 1/2	4	5 3/4	17'-5"				
18'-5"	344		N/A		19	2 3/8	4	19	2 3/8	3 3/4	20	2 1/2	4	25	2 1/2	4	18	2 1/4	4	27	3 1/2	4 3/4	36		36		N/A		14	1 7/8	3 1/4	20	2 1/2	4	28	2 1/2	4	28	2 1/2	4	5 3/4	18'-5"				
19'-5"	344		N/A		15	2 3/8	4	16	2 3/8	3 3/4	17	2 1/2	4	21	2 1/2	4	13	2 1/4	4	20	3 1/2	4 3/4	36		36		N/A		10	1 7/8	3 1/4	16	2 1/2	4	22	2 1/2	4	22	2 1/2	4	5 3/4	19'-5"				
20'-5"	344		N/A		12	2 3/8	4	12	2 3/8	3 3/4	14	2 1/2	4	18	2 1/2	4	10	2 1/4	4	15	3 1/2	4 3/4	36		25		N/A		6	1 7/8	3 1/4	14	2 1/2	4	19	2 1/2	4	19	2 1/2	4	5 3/4	20'-5"				
21'-5"	344		N/A		10	2 3/8	4	10	2 3/8	3 3/4	13	2 1/2	4	16	2 1/2	4	8	2 1/4	4	13	3 1/2	4 3/4	28		19		N/A		N/A		12	2 1/2	4	5	2 1/2	4	18	3 1/4	5	5 3/4	21'-5"					
22'-5"	445	22	3 7/8	6	19	3 5/8	6	18	3 3/4	6	21	3 3/4	5 1/2	25	4 1/4	6 3/4	20	4	6	27	4 1/4	5 1/2	36		36	22	3 7/8	6	14	2 1/2	4	21	3 3/4	5 1/2	23	4 1/4	6 3/4	28	4	6 1/4	6 13/16	22'-5"				
23'-5"	445	22	3 7/8	6	19	3 5/8	6	18	3 3/4	6	21	3 3/4	5 1/2	25	4 1/4	6 3/4	20	4	6	27	4 1/4	5 1/2	36		36	22	3 7/8	6	14	2 1/2	4	21	3 3/4	5 1/2	23	4 1/4	6 3/4	28	4	6 1/4	6 13/16	23'-5"				
24'-5"	445	20	3 7/8	6	18	3 5/8	6	16	3 3/4	6	19	3 3/4	5 1/2	23	4 1/4	6 3/4	18	4	6	23	4 1/4	5 1/2	36		36	20	3 7/8	6	11	2 1/2	4	20	3 3/4	5 1/2	21	4 1/4	6 3/4	25	4	6 1/4	6 13/16	24'-5"				
25'-5"	445	19	3 7/8	6	16	3 5/8	6	15	3 3/4	6	18	3 3/4	5 1/2	21	4 1/4	6 3/4	16	4	6	21	4 1/4	5 1/2	36		36	17	3 7/8	6	8	2 1/2	4	18	3 3/4	5 1/2	19	4 1/4	6 3/4	24	4	6 1/4	6 13/16	25'-5"				
26'-5"	445	17	3 7/8	6	13	3 5/8	6	14	3 3/4	6	16	3 3/4	5 1/2	20	4 1/4	6 3/4	14	4	6	18	4 1/4	5 1/2	36		33	15	3 7/8	6	N/A			17	3 3/4	5 1/2	15	4 1/4	6 3/4	22	4	6 1/4	6 13/16	26'-5"				
27'-5"	445	15	3 7/8	6	9	3 5/8	6	12	3 3/4	6	9	3 3/4	5 1/2	19	4 1/4	6 3/4	13	4	6	17	4 1/4	5 1/2	36		29	14	3 7/8	6	N/A			15	3 3/4	5 1/2	13	4 1/4	6 3/4	20	4	6 1/4	6 13/16	27'-5"				
28'-5"	445	14	3 7/8	6	9	3 5/8	6	10	3 3/4	6	9	3 3/4	5 1/2	18	4 1/4	6 3/4	11	4	6	15	4 1/4	5 1/2	36		26	13	3 7/8	6	N/A			14	3 3/4	5 1/2	11	4 1/4	6 3/4	7	4	6 1/4	6 13/16	28'-5"				
29'-5"	445	13	3 7/8	6	9	3 5/8	6	9	3 3/4	6	9	3 3/4	5 1/2	17	4 1/4	6 3/4	10	4	6	14	4 1/4	5 1/2	33		23	11	3 7/8	6	N/A			9	3 3/4	5 1/2	9	4 1/4	6 3/4	7	4	6 1/4	6 13/16	29'-5"				
30'-5"	445	10	3 7/8	6	8	3 5/8	6	9	3 3/4	6	8	3 3/4	5 1/2	16	4 1/4	6 3/4	9	4	6	13	4 1/4	5 1/2	30		20	10	3 7/8	6	N/A			9	3 3/4	5 1/2	9	4 1/4	6 3/4	7	4	6 1/4	6 13/16	30'-5"				
31'-5"	445	10	3 7/8	6	7	3 5/8	6	8	3 3/4	6	7	3 3/4	5 1/2	9	4 1/4	6 3/4	9	4	6	11	4 1/4	5 1/2	27		18	9	3 7/8	6	N/A			9	3 3/4	5 1/2	9	4 1/4	6 3/4	7	4	6 1/4	6 13/16	31'-5"				
32'-5"	446	17	5 1/8	7 7/8	10	4 1/2	6	10	4 5/8	7	10	4 1/2	6	17	5	7	N/A			17	5	6 1/4	36		35	16	5 1/8	7 7/8	N/A			10	4 1/2	6	N/A			18	5 1/2	8 1/2	6 7/8	32'-5"				
33'-5"	446	17	5 1/8	7 7/8	9	4 1/2	6	9	4 5/8	7	9	4 1/2	6	16	5	7	N/A			13	5	6 1/4	36		33	11	5 1/8	7 7/8	N/A			9	4 1/2	6	N/A			10	5 1/2	8 1/2	6 7/8	33'-5"				
34'-5"	446	15	5 1/8	7 7/8	9	4 1/2	6	8	4 5/8	7	8	4 1/2	6	11	5	7	N/A			12	5	6 1/4	36		30	11	5 1/8	7 7/8	N/A			8	4 1/2	6	N/A			10	5 1/2	8 1/2	6 7/8	34'-5"				
35'-5"	446	11	5 1/8	7 7/8	8	4 1/2	6	7	4 5/8	7	8	4 1/2	6	10	5	7	N/A			11	5	6 1/4	36																							

L/TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	11/26/2025	KAD	2398
A	REVISED WINDLOAD TABLES	08/12/2026	KAD	2398

CP0001/CP0651 - 0.0296 0.022 Minimum Thickness Galvanized or Stainless Steel - 30 PSF - Continued																																														
Concrete Minimum 4,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																																														
D.B.G. Up To	Guide Assembly	Simpson Strong-Bolt 2			Hilti Kwik Bolt 1			Powers Power-Stud+ SD1			Hilti Kwik Bolt TZ2			Hilti KH-EZ			ITW Redhead Trubolt			Hilti HVU2			Through Bolting - Carbon Steel Max O.C.	Through Bolting - Stainless Steel Max O.C.	Simpson Strong-Bolt 2 Stainless Steel			Powers Power-Stud+ SD4 Stainless Steel			Hilti Kwik Bolt TZ2 Stainless Steel			Hilti KH-EZ Stainless Steel			Simpson Titen HD Stainless Steel			Min. Edge Distance	D.B.G. Up To					
		Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.			Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.							
4'-5"	344		N/A		31	2 3/8	4	29	2 3/8	3 3/4	31	2 1/2	4	36	2 1/2	4	30	2 1/4	4	36	3 1/2	4 3/4	36	36		N/A		27	1 7/8	3 1/4	30	2 1/2	4	36	2 1/2	4	36	2 1/2	4	5 3/4	4'-5"					
5'-5"	344		N/A		28	2 3/8	4	27	2 3/8	3 3/4	28	2 1/2	4	36	2 1/2	4	27	2 1/4	4	36	3 1/2	4 3/4	36	36		N/A		24	1 7/8	3 1/4	27	2 1/2	4	36	2 1/2	4	36	2 1/2	4	5 3/4	5'-5"					
6'-5"	344		N/A		25	2 3/8	4	24	2 3/8	3 3/4	26	2 1/2	4	33	2 1/2	4	24	2 1/4	4	36	3 1/2	4 3/4	36	36		N/A		22	1 7/8	3 1/4	25	2 1/2	4	35	2 1/2	4	36	2 1/2	4	5 3/4	6'-5"					
7'-5"	344		N/A		24	2 3/8	4	23	2 3/8	3 3/4	24	2 1/2	4	31	2 1/2	4	23	2 1/4	4	36	3 1/2	4 3/4	36	36		N/A		21	1 7/8	3 1/4	23	2 1/2	4	32	2 1/2	4	33	2 1/2	4	5 3/4	7'-5"					
8'-5"	344		N/A		22	2 3/8	4	21	2 3/8	3 3/4	22	2 1/2	4	29	2 1/2	4	21	2 1/4	4	36	3 1/2	4 3/4	36	36		N/A		19	1 7/8	3 1/4	22	2 1/2	4	30	2 1/2	4	31	2 1/2	4	5 3/4	8'-5"					
9'-5"	344		N/A		21	2 3/8	4	20	2 3/8	3 3/4	21	2 1/2	4	27	2 1/2	4	20	2 1/4	4	35	3 1/2	4 3/4	36	36		N/A		18	1 7/8	3 1/4	21	2 1/2	4	29	2 1/2	4	29	2 1/2	4	5 3/4	9'-5"					
10'-5"	344		N/A		20	2 3/8	4	19	2 3/8	3 3/4	20	2 1/2	4	26	2 1/2	4	18	2 1/4	4	31	3 1/2	4 3/4	36	33		N/A		17	1 7/8	3 1/4	20	2 1/2	4	27	2 1/2	4	28	2 1/2	4	5 3/4	10'-5"					
11'-5"	344		N/A		19	2 3/8	4	18	2 3/8	3 3/4	19	2 1/2	4	25	2 1/2	4	16	2 1/4	4	29	3 1/2	4 3/4	36	30		N/A		16	1 7/8	3 1/4	19	2 1/2	4	26	2 1/2	4	27	2 1/2	4	5 3/4	11'-5"					
12'-5"	344		N/A		18	2 3/8	4	17	2 3/8	3 3/4	18	2 1/2	4	24	2 1/2	4	15	2 1/4	4	26	3 1/2	4 3/4	35	27		N/A		16	1 7/8	3 1/4	18	2 1/2	4	25	2 1/2	4	25	2 1/2	4	5 3/4	12'-5"					
13'-5"	344		N/A		17	2 3/8	4	17	2 3/8	3 3/4	18	2 1/2	4	23	2 1/2	4	14	2 1/4	4	24	3 1/2	4 3/4	33	25		N/A		15	1 7/8	3 1/4	17	2 1/2	4	24	2 1/2	4	24	2 1/2	4	5 3/4	13'-5"					
14'-5"	344		N/A		17	2 3/8	4	16	2 3/8	3 3/4	17	2 1/2	4	22	2 1/2	4	13	2 1/4	4	23	3 1/2	4 3/4	30	23		N/A		15	1 7/8	3 1/4	17	2 1/2	4	23	2 1/2	4	24	2 1/2	4	5 3/4	14'-5"					
15'-5"	344		N/A		22	2 3/8	4	22	2 3/8	3 3/4	23	2 1/2	4	28	2 1/2	4	22	2 1/4	4	35	3 1/2	4 3/4	36	36		N/A		17	1 7/8	3 1/4	23	2 1/2	4	31	2 1/2	4	31	2 1/2	4	5 3/4	15'-5"					
16'-5"	344		N/A		16	2 3/8	4	16	2 3/8	3 3/4	17	2 1/2	4	21	2 1/2	4	14	2 1/4	4	21	3 1/2	4 3/4	36	36		N/A		12	1 7/8	3 1/4	17	2 1/2	4	23	2 1/2	4	23	2 1/2	4	5 3/4	16'-5"					
17'-5"	344		N/A		11	2 3/8	4	12	2 3/8	3 3/4	14	2 1/2	4	17	2 1/2	4	10	2 1/4	4	15	3 1/2	4 3/4	34	24		N/A		6	1 7/8	3 1/4	14	2 1/2	4	18	2 1/2	4	18	2 1/2	4	5 3/4	17'-5"					
18'-5"	445	22	3 7/8	6	19	3 5/8	6	18	3 3/4	6	21	3 3/4	5 1/2	25	4 1/4	6 3/4	20	4	6	27	4 1/4	5 1/2	36	36	22	3 7/8	6	15	2 1/2	4	21	3 3/4	5 1/2	23	4 1/4	6 3/4	28	4	6 1/4	6 13/16	18'-5"					
19'-5"	445	22	3 7/8	6	19	3 5/8	6	18	3 3/4	6	21	3 3/4	5 1/2	25	4 1/4	6 3/4	20	4	6	27	4 1/4	5 1/2	36	36	22	3 7/8	6	15	2 1/2	4	21	3 3/4	5 1/2	23	4 1/4	6 3/4	28	4	6 1/4	6 13/16	19'-5"					
20'-5"	445	19	3 7/8	6	17	3 5/8	6	16	3 3/4	6	19	3 3/4	5 1/2	22	4 1/4	6 3/4	17	4	6	23	4 1/4	5 1/2	36	36	19	3 7/8	6	10	2 1/2	4	19	3 3/4	5 1/2	20	4 1/4	6 3/4	25	4	6 1/4	6 13/16	20'-5"					
21'-5"	445	18	3 7/8	6	14	3 5/8	6	14	3 3/4	6	17	3 3/4	5 1/2	20	4 1/4	6 3/4	14	4	6	19	4 1/4	5 1/2	36	35	16	3 7/8	6	N/A			17	3 3/4	5 1/2	16	4 1/4	6 3/4	22	4	6 1/4	6 13/16	21'-5"					
22'-5"	445	15	3 7/8	6	9	3 5/8	6	11	3 3/4	6	9	3 3/4	5 1/2	18	4 1/4	6 3/4	12	4	6	16	4 1/4	5 1/2	36	28	13	3 7/8	6	N/A			15	3 3/4	5 1/2	12	4 1/4	6 3/4	19	4	6 1/4	6 13/16	22'-5"					
23'-5"	445	13	3 7/8	6	9	3 5/8	6	9	3 3/4	6	9	3 3/4	5 1/2	17	4 1/4	6 3/4	10	4	6	14	4 1/4	5 1/2	34	24	11	3 7/8	6	N/A			9	3 3/4	5 1/2	9	4 1/4	6 3/4	7	4	6 1/4	6 13/16	23'-5"					
24'-5"	445	10	3 7/8	6	8	3 5/8	6	9	3 3/4	6	8	3 3/4	5 1/2	15	4 1/4	6 3/4	9	4	6	13	4 1/4	5 1/2	30	20	10	3 7/8	6	N/A			9	3 3/4	5 1/2	9	4 1/4	6 3/4	7	4	6 1/4	6 13/16	24'-5"					
25'-5"	446	17	5 1/8	7 7/8	11	4 1/2	6	10	4 5/8	7	10	4 1/2	6	18	5	7	N/A			17	5	6 1/4	36	36	16	5 1/8	7 7/8	N/A			10	4 1/2	6	N/A			19	5 1/2	8 1/2	6 7/8	25'-5"					
26'-5"	446	16	5 1/8	7 7/8	9	4 1/2	6	9	4 5/8	7	9	4 1/2	6	16	5	7	N/A			13	5	6 1/4	36	32	11	5 1/8	7 7/8	N/A			9	4 1/2	6	N/A			10	5 1/2	8 1/2	6 7/8	26'-5"					
27'-5"	446	11	5 1/8	7 7/8	8	4 1/2	6	8	4 5/8	7	8	4 1/2	6	11	5	7	N/A			12	5	6 1/4	36	29	10	5 1/8	7 7/8	N/A			8	4 1/2	6	N/A			10	5 1/2	8 1/2	6 7/8	27'-5"					
28'-5"	546	10	5 1/8	7 7/8	7	4 1/2	6	6	4 5/8	7	7	4 1/2	6	10	5	7	N/A			10	5	6 1/4	36	26	9	5 1/8	7 7/8	N/A			7	4 1/2	6	N/A			9	5 1/2	8 1/2	6 7/8	28'-5"					
29'-5"	546	9	5 1/8	7 7/8	6	4 1/2	6	5	4 5/8	7	5	4 1/2	6	9	5	7	N/A			7	5	6 1/4	34	23	8	5 1/8	7 7/8	N/A			5	4 1/2	6	N/A			8	5 1/2	8 1/2	6 7/8	29'-5"					
30'-5"	546	8	5 1/8	7 7/8	N/A			N/A			N/A			8	5	7	N/A			N/A			31	21	7	5 1/8	7 7/8	N/A			N/A			N/A			7	5 1/2	8 1/2	6 7/8	30'-5"					
31'-5"	548	17	5 3/4	8 3/4	10	5 1/2	8	7	5 5/8	10	18	5 1/2	8	19	6 1/4	8 1/8	N/A			20	6 5/8	7 7/8	36	36	18	5 3/4	8 3/4	N/A			11	5 1/2	8	N/A			26	6 1/4	10	7 1/2	31'-5"					
32'-5"	548	13	5 3/4	8 3/4	9	5 1/2	8	N/A			11	5 1/2	8	18	6 1/4	8 1/8	N/A			14	6 5/8	7 7/8	36	36	17	5 3/4	8 3/4	N/A			10	5 1/2	8	N/A			25	6 1/4	10	7 1/2	32'-5"					
33'-5"	548	12	5 3/4	8 3/4	8	5 1/2	8	N/A			10	5 1/2	8	17	6 1/4	8 1/8	N/A			13	6 5/8	7 7/8	36	36	16	5 3/4	8 3/4	N/A			9	5 1/2	8	N/A			11	6 1/4	10	7 1/2	33'-5"					
34'-5"	548	11	5 3/4	8 3/4	8	5 1/2	8	N/A			9	5 1/2	8	11	6 1/4	8 1/8	N/A			12	6 5/8	7 7/8	36	36	12	5 3/4	8 3/4	N/A			8	5 1/2	8	N/A			11	6 1/4	10	7 1/2	34'-5"					
35'-5"	548	11	5 3/4	8 3/4	7	5 1/2	8	N/A			8	5 1/2	8	10	6 1/4	8 1/8	N/A			11	6 5/8	7 7/8	36	36	11	5 3/4	8 3/4	N/A			7	5 1/2	8	N/A			10	6 1/4	10	7 1/2	35'-5"					
36'-5"	548	10	5 3/4	8 3/4	6	5 1/2	8	N/A			8	5 1/2	8	9	6 1/4	8 1/8	N/A			9	6 5/8	7 7/8	36	35	10	5 3/4	8 3/4	N/A			7	5 1/2	8	N/A			9	6 1/4	10	7 1/2	36'-5"					
37'-5"	548	9	5 3/4	8 3/4	5	5 1/2	8	N/A			7	5 1/2	8	9	6 1/4	8 1/8	N/A			7	6 5/8	7 7/8	36	33	9	5 3/4	8 3/4	N/A			6	5 1/2	8	N/A			8	6 1/4	10	7 1/2	37'-5"					
38'-5"	548	8	5 3/4	8 3/4	N/A			N/A			N/A			6	5 1/2	8	8	6 1/4	8 1/8	N/A			5	6 5/8	7 7/8	36	31	9	5 3/4	8 3/4	N/A			5	5 1/2	8	N/A			8	6 1/4	10	7 1/2	38'-5"		
39'-5"	648	7	5 3/4	8 3/4	N/A			N/A			N/A			5	5 1/2	8	7	6 1/4	8 1/8	N/A			N/A			29	8	5 3/4	8 3/4	N/A			N/A			7	6 1/4	10	7 1/2	39'-5"						
40'-5"	648	7	5 3/4	8 3/4	N/A			N/A			N/A			6	6 1/4	8 1/8	N/A			N/A			N/A			27	7	5 3/4	8 3/4	N/A			N/A			6	6 1/4	10	7 1/2	40'-5"						

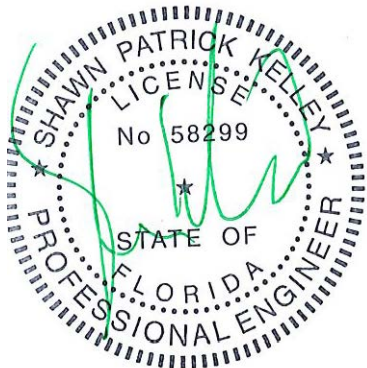
REVIEWED FOR SPECIFIED DOOR COMPONENTS ONLY, EXISTING STRUCTURE NOT ANALYZED

A circular professional engineer seal for Shawn Patrick Kelley. The outer ring contains the text "SHAWN PATRICK KELLEY" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside this ring, the words "LICENSE" and "STATE OF FLORIDA" are arranged in a circular pattern. In the center, the license number "No 58299" is displayed. A green ink signature is written across the seal, overlapping the text.

CORNELL
Innovative door solutions.

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*	ORIGINAL ISSUE	11/26/2025	KAD	2398
A	REVISED WINDLOAD TABLES	08/12/2026	KAD	2398

CP0001/CP0651 - 0.0296, 0.022 Minimum Thickness Galvanized or Stainless Steel - 40 PSF - Continued																																											
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D.B.G. Up To	Guide Assembly	Simpson Strong-Bolt 2			Hilti Kwik Bolt 1			Powers Power-Stud+ SD1			Hilti Kwik Bolt T22			Hilti KH-EZ			ITW Redhead Trubolt			Hilti HVU2			Through Bolting - Carbon Steel Max O.C.	Through Bolting - Stainless Steel Max O.C.	Simpson Strong-Bolt 2 Stainless Steel			Powers Power-Stud+ SD4 Stainless Steel			Hilti Kwik Bolt T22 Stainless Steel			Hilti KH-EZ Stainless Steel			Simpson Titen HD Stainless Steel			Min. Edge Distance	D.B.G. Up To		
		Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.			Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.				
4'-5"	344		N/A		26	2 3/8	4	25	2 3/8	3 3/4	27	2 1/2	4	35	2 1/2	4	25	2 1/4	4	36	3 1/2	4 3/4	36				N/A		23	1 7/8	3 1/4	26	2 1/2	4	36	2 1/2	4	36	2 1/2	4	5 3/4	4'-5"	
5'-5"	344		N/A		24	2 3/8	4	23	2 3/8	3 3/4	24	2 1/2	4	31	2 1/2	4	23	2 1/4	4	36	3 1/2	4 3/4	36				N/A		21	1 7/8	3 1/4	24	2 1/2	4	33	2 1/2	4	33	2 1/2	4	5 3/4	5'-5"	
6'-5"	344		N/A		22	2 3/8	4	21	2 3/8	3 3/4	22	2 1/2	4	29	2 1/2	4	21	2 1/4	4	36	3 1/2	4 3/4	36				N/A		19	1 7/8	3 1/4	22	2 1/2	4	30	2 1/2	4	31	2 1/2	4	5 3/4	6'-5"	
7'-5"	344		N/A		20	2 3/8	4	20	2 3/8	3 3/4	21	2 1/2	4	27	2 1/2	4	19	2 1/4	4	33	3 1/2	4 3/4	36				N/A		18	1 7/8	3 1/4	20	2 1/2	4	28	2 1/2	4	29	2 1/2	4	5 3/4	7'-5"	
8'-5"	344		N/A		19	2 3/8	4	18	2 3/8	3 3/4	19	2 1/2	4	25	2 1/2	4	17	2 1/4	4	29	3 1/2	4 3/4	36				N/A		17	1 7/8	3 1/4	19	2 1/2	4	26	2 1/2	4	27	2 1/2	4	5 3/4	8'-5"	
9'-5"	344		N/A		18	2 3/8	4	17	2 3/8	3 3/4	18	2 1/2	4	24	2 1/2	4	15	2 1/4	4	26	3 1/2	4 3/4	35				N/A		16	1 7/8	3 1/4	18	2 1/2	4	25	2 1/2	4	25	2 1/2	4	5 3/4	9'-5"	
10'-5"	344		N/A		17	2 3/8	4	17	2 3/8	3 3/4	17	2 1/2	4	22	2 1/2	4	13	2 1/4	4	23	3 1/2	4 3/4	31				N/A		15	1 7/8	3 1/4	17	2 1/2	4	24	2 1/2	4	24	2 1/2	4	5 3/4	10'-5"	
11'-5"	344		N/A		16	2 3/8	4	16	2 3/8	3 3/4	16	2 1/2	4	21	2 1/2	4	12	2 1/4	4	21	3 1/2	4 3/4	29				N/A		14	1 7/8	3 1/4	16	2 1/2	4	23	2 1/2	4	23	2 1/2	4	5 3/4	11'-5"	
12'-5"	344		N/A		16	2 3/8	4	15	2 3/8	3 3/4	16	2 1/2	4	21	2 1/2	4	11	2 1/4	4	20	3 1/2	4 3/4	26				N/A		14	1 7/8	3 1/4	15	2 1/2	4	22	2 1/2	4	22	2 1/2	4	5 3/4	12'-5"	
13'-5"	344		N/A		19	2 3/8	4	19	2 3/8	3 3/4	20	2 1/2	4	25	2 1/2	4	19	2 1/4	4	29	3 1/2	4 3/4	36				N/A		15	1 7/8	3 1/4	20	2 1/2	4	28	2 1/2	4	28	2 1/2	4	5 3/4	13'-5"	
14'-5"	344		N/A		17	2 3/8	4	17	2 3/8	3 3/4	18	2 1/2	4	22	2 1/2	4	15	2 1/4	4	23	3 1/2	4 3/4	36				N/A		13	1 7/8	3 1/4	18	2 1/2	4	25	2 1/2	4	24	2 1/2	4	5 3/4	14'-5"	
15'-5"	344		N/A		12	2 3/8	4	12	2 3/8	3 3/4	14	2 1/2	4	18	2 1/2	4	10	2 1/4	4	15	3 1/2	4 3/4	36				N/A		6	1 7/8	3 1/4	14	2 1/2	4	19	2 1/2	4	19	2 1/2	4	5 3/4	15'-5"	
16'-5"	445	21	3 7/8	6	19	3 5/8	6	18	3 3/4	6	20	3 3/4	5 1/2	24	4 1/4	6 3/4	19	4	6	26	4 1/4	5 1/2	36			21	3 7/8	6	14	2 1/2	4	21	3 3/4	5 1/2	23	4 1/4	6 3/4	27	4	6 1/4	6 13/16	16'-5"	
17'-5"	445	21	3 7/8	6	19	3 5/8	6	18	3 3/4	6	20	3 3/4	5 1/2	24	4 1/4	6 3/4	19	4	6	26	4 1/4	5 1/2	36			21	3 7/8	6	14	2 1/2	4	21	3 3/4	5 1/2	23	4 1/4	6 3/4	27	4	6 1/4	6 13/16	17'-5"	
18'-5"	445	18	3 7/8	6	16	3 5/8	6	15	3 3/4	6	17	3 3/4	5 1/2	21	4 1/4	6 3/4	15	4	6	20	4 1/4	5 1/2	36			17	3 7/8	6		N/A		18	3 3/4	5 1/2	18	4 1/4	6 3/4	23	4	6 1/4	6 13/16	18'-5"	
19'-5"	445	15	3 7/8	6	9	3 5/8	6	11	3 3/4	6	9	3 3/4	5 1/2	18	4 1/4	6 3/4	12	4	6	16	4 1/4	5 1/2	36			13	3 7/8	6		N/A		15	3 3/4	5 1/2	12	4 1/4	6 3/4	19	4	6 1/4	6 13/16	19'-5"	
20'-5"	445	12	3 7/8	6	9	3 5/8	6	9	3 3/4	6	9	3 3/4	5 1/2	17	4 1/4	6 3/4	10	4	6	14	4 1/4	5 1/2	33			11	3 7/8	6		N/A		9	3 3/4	5 1/2	9	4 1/4	6 3/4	7	4	6 1/4	6 13/16	20'-5"	
21'-5"	445	10	3 7/8	6	7	3 5/8	6	8	3 3/4	6	7	3 3/4	5 1/2	9	4 1/4	6 3/4	9	4	6	11	4 1/4	5 1/2	27			9	3 7/8	6		N/A		9	3 3/4	5 1/2	9	4 1/4	6 3/4	7	4	6 1/4	6 13/16	21'-5"	
22'-5"	446	17	5 1/8	7 7/8	9	4 1/2	6	9	4 5/8	7	9	4 1/2	6	16	5	7		N/A		13	5	6 1/4	36			11	5 1/8	7 7/8		N/A		9	4 1/2	6		N/A		10	5 1/2	8 1/2	6 7/8	22'-5"	
23'-5"	546	11	5 1/8	7 7/8	8	4 1/2	6	7	4 5/8	7	8	4 1/2	6	11	5	7		N/A		11	5	6 1/4	36			10	5 1/8	7 7/8		N/A		8	4 1/2	6		N/A		10	5 1/2	8 1/2	6 7/8	23'-5"	
24'-5"	546	10	5 1/8	7 7/8	6	4 1/2	6	6	4 5/8	7	6	4 1/2	6	9	5	7		N/A		8	5	6 1/4	36			9	5 1/8	7 7/8		N/A		6	4 1/2	6		N/A		8	5 1/2	8 1/2	6 7/8	24'-5"	
25'-5"	546	8	5 1/8	7 7/8	5	4 1/2	6		N/A			N/A		8	5	7		N/A		5	5	6 1/4	32			7	5 1/8	7 7/8		N/A		5	3 3/4	5 1/2		N/A		7	5 1/2	8 1/2	6 7/8	25'-5"	
26'-5"	548	17	5 3/4	8 3/4	10	5 1/2	8	7	5 5/8	10	18	5 1/2	8	19	6 1/4	8 1/8		N/A		20	6 5/8	7 7/8	36			18	5 3/4	8 3/4		N/A		11	5 1/2	8		N/A		26	6 1/4	10	7 1/2	26'-5"	
27'-5"	548	13	5 3/4	8 3/4	9	5 1/2	8		N/A		11	5 1/2	8	18	6 1/4	8 1/8		N/A		13	6 5/8	7 7/8	36			17	5 3/4	8 3/4		N/A		10	5 1/2	8		N/A		24	6 1/4	10	7 1/2	27'-5"	
28'-5"	548	12	5 3/4	8 3/4	8	5 1/2	8		N/A		10	5 1/2	8	11	6 1/4	8 1/8		N/A		13	6 5/8	7 7/8	36			12	5 3/4	8 3/4		N/A		9	5 1/2	8		N/A		11	6 1/4	10	7 1/2	28'-5"	
29'-5"	548	11	5 3/4	8 3/4	7	5 1/2	8		N/A		9	5 1/2	8	10	6 1/4	8 1/8		N/A		11	6 5/8	7 7/8	36			11	5 3/4	8 3/4		N/A		8	5 1/2	8		N/A		10	6 1/4	10	7 1/2	29'-5"	
30'-5"	548	10	5 3/4	8 3/4	6	5 1/2	8		N/A		8	5 1/2	8	9	6 1/4	8 1/8		N/A		9	6 5/8	7 7/8	36			10	5 3/4	8 3/4		N/A		7	5 1/2	8		N/A		9	6 1/4	10	7 1/2	30'-5"	
31'-5"	548	9	5 3/4	8 3/4		N/A			N/A		6	5 1/2	8	8	6 1/4	8 1/8		N/A		7	6 5/8	7 7/8	36			9	5 3/4	8 3/4		N/A		5	5 1/2	8		N/A		8	6 1/4	10	7 1/2	31'-5"	
32'-5"	648	8	5 3/4	8 3/4		N/A			N/A		5	5 1/2	8	7	6 1/4	8 1/8		N/A			N/A		36			8	5 3/4	8 3/4		N/A			N/A			N/A		7	6 1/4	10	7 1/2	32'-5"	
33'-5"	648	7	5 3/4	8 3/4		N/A			N/A			N/A		6	6 1/4	8 1/8		N/A			N/A		36			7	5 3/4	8 3/4		N/A			N/A			N/A		6	6 1/4	10	7 1/2	33'-5"	
34'-5"	648	6	5 3/4	8 3/4		N/A			N/A			N/A		5	6 1/4	8 1/8		N/A			N/A		36				N/A			N/A			N/A			N/A		5	6 1/4	10	7 1/2	34'-5"	
35'-5"	DC6	5	5 3/4	8 3/4		N/A			N/A			N/A			N/A			N/A			N/A		35				N/A			N/A			N/A			N/A			N/A			7 1/2	35'-5"
36'-5"	DC6	9	5 3/4	8 3/4	7	5 1/2	8		N/A		8	5 1/2	8	8	6 1/4	8 1/8		N/A		9	6 5/8	7 7/8	36			10	5 3/4	8 3/4	8	4 1/2	6	8	5 1/2	8		N/A		8	6 1/4	10	9 1/4	36'-5"	



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

P: 800.233.8366
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Unless otherwise specified,
dimensions are in inches &
tolerances are:

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

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

DRAWN BY: KAD
SIZE: B
SCALE: AS NOTED
SHEET: 16/37

DWG NO: ES-16-138-CIW

REVIEWED FOR SPECIFIED DOOR COMPONENTS ONLY, EXISTING STRUCTURE NOT ANALYZED

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REVIEWED FOR SPECIFIED DOOR COMPONENTS ONLY, EXISTING STRUCTURE NOT ANALYZED

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	11/26/2025	KAD	2398
A	REVISED WINDLOAD TABLES	08/12/2026	KAD	2398

CP0001/CP0651 - 0.0296, 0.022 Minimum Thickness Galvanized or Stainless Steel - 50 PSF																																												
Guide Construction								Filled CMU																		Steel (Wall anchors are the same diameter as assembly fasteners)																		
D.B.G. Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Flat Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt T22 Carbon & Stainless Steel			Powers Power-Stud+ SD1			Simpson Strong-Bolt 2			Hilti KH-EZ			Simpson Strong-Tie Titen			Hilti KH-EZ Stainless Steel			Simpson Strong-Tie Titen Stainless Steel			Through Bolting		Min. Edge Distance	Welded		Through Bolt			Tapped Bolt			Superimposed Loads				D.B.G. Up To
								Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.		Embed	Max O.C.	Dia.	Slot Max O.C.	Heel and Toe Max O.C.	Slot Size	Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Min Thickness	Vx (+)	
4'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	12	3/8	3	9	1/2	2 1/2	9	1/2	3 1/2	21	3/8	3 1/4	15	5/8	4 1/2	20	3/8	3 1/4	15	5/8	4 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	113	0	110	4'-5"
5'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	10	3/8	3	9	5/8	3 3/8	12	5/8	4 3/8	17	3/8	3 1/4	12	5/8	4 1/2	17	3/8	3 1/4	12	5/8	4 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	138	0	135	5'-5"
6'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	3/8	3	8	5/8	3 3/8	10	5/8	4 3/8	14	3/8	3 1/4	13	3/4	5 1/2	14	3/8	3 1/4	9	3/4	5 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	163	0	160	6'-5"
7'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	1/2	3 3/4	N/A	9	5/8	4 3/8	12	3/8	3 1/4	12	3/8	3 1/4	N/A	5 1/2	12	3/8	3 1/4	N/A	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	188	0	185	7'-5"		
8'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	9	5/8	4 1/2	N/A	8	5/8	4 3/8	11	3/8	3 1/4	N/A	11	3/8	3 1/4	N/A	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	36	36	36	36	3/16	0	213	0	210	8'-5"		
9'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	5/8	4 1/2	N/A	8	3/4	5 1/4	10	3/8	3 1/4	N/A	9	3/8	3 1/4	N/A	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	36	36	36	36	3/16	0	238	0	235	9'-5"		
10'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	15	3/4	5 1/2	N/A	N/A	N/A	N/A	9	3/8	3 1/4	N/A	12	1/2	4 1/4	N/A	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	36	36	36	36	3/16	0	263	0	260	10'-5"		
11'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	13	3/4	5 1/2	N/A	N/A	N/A	N/A	8	3/8	3 1/4	N/A	11	1/2	4 1/4	N/A	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	36	36	36	36	3/16	0	288	0	285	11'-5"		
12'-5"	1 3/16	0.407	CP0629	344	12	3/8	18	9	1/2	3 3/4	10	5/8	3 3/8	12	5/8	4 3/8	13	3/8	3 1/4	13	5/8	4 1/2	13	3/8	3 1/4	10	5/8	4 1/2	8	3/8	5 3/4	29	36	7/16" x 5/8"	27	21	10	8	3/16	326	312	279	311	12'-5"
13'-5"	1 5/16	0.532	CP0629	344	12	3/8	14	8	5/8	4 1/2	N/A	N/A	N/A	8	5/8	4 3/8	8	3/8	3 1/4	N/A	13	1/2	4 1/4	N/A	13	1/2	4 1/4	8	3/8	5 3/4	19	34	7/16" x 5/8"	18	13	6	5	3/16	496	337	458	336	13'-5"	
14'-5"	1 7/16	0.657	CP0629	344	12	3/8	11	12	3/4	5 1/2	N/A	N/A	N/A	N/A	11	1/2	4 1/4	N/A	9	1/2	4 1/4	N/A	8	3/8	5 3/4	15	27	7/16" x 5/8"	13	9	5	5	N/A	3/16	660	362	628	361	14'-5"					
15'-5"	1 5/8	0.844	CP0629	445	12	1/2	18	12	3/4	5 1/2	N/A	N/A	N/A	10	1/2	4 1/4	N/A	9	1/2	4 1/4	N/A	8	1/2	6 13/16	21	32	9/16" x 3/4"	30	23	10	7	1/4	741	386	719	386	15'-5"							
16'-5"	1 7/8	1.031	CP0630	445	11	1/2	16	10	3/4	5 1/2	N/A	N/A	N/A	9	1/2	4 1/4	N/A	8	1/2	4 1/4	N/A	8	1/2	6 13/16	19	29	9/16" x 3/4"	26	20	9	6	1/4	838	410	820	411	16'-5"							
17'-5"	2	1.156	CP0630	445	10	1/2	14	9	3/4	5 1/2	N/A	N/A	N/A	8	1/2	4 1/4	N/A	N/A	N/A	N/A	N/A	8	1/2	6 13/16	16	25	9/16" x 3/4"	22	16	8	5	1/4	979	435	963	436	17'-5"							
18'-5"	2	1.156	CP0630	445	9	1/2	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	1/2	6 13/16	13	21	9/16" x 3/4"	17	12	6	N/A	1/4	1204	460	1189	461	18'-5"							
19'-5"	2	1.156	CP0630	446	8	5/8	17	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	5/8	6 7/8	13	20	11/16" x 7/8"	23	17	8	6	5/16	1422	485	1407	486	19'-5"							
20'-5"	2	1.156	CP0630	546	8	5/8	15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	5/8	6 7/8	11	18	11/16" x 7/8"	20	14	7	5	5/16	1634	510	1619	511	20'-5"							
21'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	14	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	5/8	6 7/8	10	16	11/16" x 7/8"	17	12	6	N/A	5/16	1842	535	1828	536	21'-5"							
22'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	5/8	6 7/8	9	14	11/16" x 7/8"	15	10	5	N/A	5/16	2048	560	2034	562	22'-5"							
23'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	17	20	7/8" x 1"	36	31	14	10	3/8	1810	584	1795	585	23'-5"							
24'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	16	18	7/8" x 1"	36	28	12	9	3/8	1984	609	1970	610	24'-5"							
25'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	17	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	15	17	7/8" x 1"	33	25	11	8	3/8	2158	635	2144	635	25'-5"							
26'-5"	2 1/2	1.656	CP0630 & CP0647	548	6	3/4	15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	13	15	7/8" x 1"	31	22	11	7	3/8	2332	660	2318	660	26'-5"							
27'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	13	14	7/8" x 1"	28	20	10	7	3/8	2505	685	2491	686	27'-5"							
28'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	14	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	12	13	7/8" x 1"	26	18	9	6	3/8	2679	710	2666	711	28'-5"							
29'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	11	13	7/8" x 1"	24	16	9	6	3/8	2854	736	2840	736	29'-5"							
30'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	10	12	7/8" x 1"	22	15	8	6	3/8	3030	761	3016	762	30'-5"							
31'-5"	2 1/2	1.656	CP0630 & CP0647	DC6	5	3/4	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	9 1/4	10	11	7/8" x 1"	20	14	8	5	3/8	3207	787	3193	787	31'-5"							

CP0001/CP0651 - 0.0296, 0.022 Minimum Thickness Galvanized or Stainless Steel - 50 PSF - Continued																																									
Concrete Minimum 4,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																																									
D.B.G. Up To	Guide Assembly	Simpson Strong-Bolt 2			Hilti Kwik Bolt 1			Powers Power-Stud+ SD1			Hilti Kwik Bolt T22			Hilti KH-EZ			ITW Redhead Trubolt			Hilti HVU2			Through Bolting - Carbon Steel Max O.C.	Through Bolting - Stainless Steel Max O.C.	Simpson Strong-Bolt 2 Stainless Steel			Powers Power-Stud+ SD4 Stainless Steel			Hilti Kwik Bolt T22 Stainless Steel			Hilti KH-EZ Stainless Steel			Simpson Titen HD Stainless Steel			Min. Edge Distance	D.B.G. Up To
		Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.			Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.					
4'-5"	344		N/A		24	2 3/8	4	23	2 3/8	3 3/4	24	2 1/2	4	31	2 1/2	4	23	2 1/4	4	36	3 1/2	4 3/4	36	36		N/A		20	1 7/8	3 1/4	23	2 1/2	4	32	2 1/2	4	33	2 1/2	4	5 3/4	4'-5"
5'-5"	344		N/A		21	2 3/8	4	21	2 3/8	3 3/4	21	2 1/2	4	28	2 1/2	4	21	2 1/4	4	36	3 1/2	4 3/4	36	36		N/A		18	1 7/8	3 1/4	21	2 1/2	4	29	2 1/2	4	30	2 1/2	4	5 3/4	5'-5"
6'-5"	344		N/A		20	2 3/8	4	19	2 3/8	3 3/4	20	2 1/2	4	26	2 1/2	4	17	2 1/4	4	31	3 1/2	4 3/4	36	32		N/A		17	1 7/8	3 1/4	19	2 1/2	4	27	2 1/2	4	27	2 1/2	4	5 3/4	6'-5"
7'-5"	344		N/A		18	2 3/8	4	18	2 3/8	3 3/4	18	2 1/2	4	24	2 1/2	4	15	2 1/4	4	26	3 1/2	4 3/4	35	27		N/A		16	1 7/8	3 1/4	18	2 1/2	4	25	2 1/2	4	25	2 1/2	4	5 3/4	7'-5"
8'-5"	344		N/A		17	2 3/8	4	16	2 3/8	3 3/4	17	2 1/2	4	22	2 1/2	4	13	2 1/4	4	23	3 1/2	4 3/4	31	24		N/A		15	1 7/8	3 1/4	17	2 1/2	4	23	2 1/2	4	24	2 1/2	4	5 3/4	8'-5"
9'-5"	344		N/A		16	2 3/8	4	15	2 3/8	3 3/4	16	2 1/2	4	21	2 1/2	4	12	2 1/4	4	21	3 1/2	4 3/4	28	21		N/A		14	1 7/8	3 1/4	16	2 1/2	4	22	2 1/2	4	23	2 1/2	4	5 3/4	9'-5"
10'-5"	344		N/A		15	2 3/8	4	14	2 3/8	3 3/4	15	2 1/2	4	20	2 1/2	4	11	2 1/4	4	19	3 1/2	4 3/4	25	19		N/A		13	1 7/8	3 1/4	15	2 1/2	4	21	2 1/2	4	21	2 1/2	4	5 3/4	10'-5"
11'-5"	344		N/A		14	2 3/8	4	13	2 3/8	3 3/4	15	2 1/2	4	19	2 1/2	4	10	2 1/4	4	17	3 1/2	4 3/4	23	18		N/A		13	1 7/8	3 1/4	14	2 1/2	4	20	2 1/2	4	20	2 1/2	4	5 3/4	11'-5"
12'-5"	344		N/A		16	2 3/8	4	16	2 3/8	3 3/4	17	2 1/2	4	21	2 1/2	4	14	2 1/4	4	20	3 1/2	4 3/4	36	36		N/A		11	1 7/8	3 1/4	17	2 1/2	4	23	2 1/2	4	23	2 1/2	4	5 3/4	12'-5"
13'-5"	344		N/A		12	2 3/8	4	12	2 3/8	3 3/4	14	2 1/2	4	18	2 1/2	4	10	2 1/4	4	15	3 1/2	4 3/4	36	29		N/A		6	1 7/8	3 1/4	14	2 1/2	4	19	2 1/2	4	19	2 1/2	4	5 3/4	13'-5"
14'-5"	344		N/A		9	2 3/8	4	5	2 3/8	4	12	2 1/2	4	5	2 1/2	4	5	2 1/4	4	12	3 1/2	4 3/4	28	19		N/A			N/A		12	2 1/2	4	5	2 1/2	4	18	3 1/4	5	5 3/4	14'-5"
15'-5"	445	19	3 7/8	6	16	3 5/8	6	15	3 3/4	6	18	3 3/4	5 1/2	21	4 1/4	6 3/4	16	4	6	21	4 1/4	5 1/2	36	36	17	3 7/8	6	9	2 1/2	4	18	3 3/4	5 1/2	19	4 1/4	6 3/4	24	4	6 1/4	6 13/16	15'-5"
16'-5"	445	17	3 7/8	6	14	3 5/8	6	14	3 3/4	6	17	3 3/4	5 1/2	20	4 1/4	6 3/4	14	4	6	19	4 1/4	5 1/2	36	36	16	3 7/8	6		N/A	17	3 3/4	5 1/2	16	4 1/4	6 3/4	22	4	6 1/4	6 13/16	16'-5"	
17'-5"	445	15	3 7/8	6	9	3 5/8	6	12	3 3/4	6	9	3 3/4	5 1/2	18	4 1/4	6 3/4	12	4	6	17	4 1/4	5 1/2	36	29	14	3 7/8	6		N/A	15	3 3/4	5 1/2	12	4 1/4	6 3/4	19	4	6 1/4	6 13/16	17'-5"	
18'-5"	445	12	3 7/8	6	9	3 5/8	6	9	3 3/4	6	8	3 3/4	5 1/2	16	4 1/4	6 3/4	10	4	6	14	4 1/4	5 1/2	32	22	10	3 7/8	6		N/A	9	3 3/4	5 1/2	9	4 1/4	6 3/4	7	4	6 1/4	6 13/16	18'-5"	
19'-5"	446	17	5 1/8	7 7/8	10	4 1/2	6	10	4 5/8	7	10	4 1/2	6	17	5	7		N/A	17	5	6 1/4	36	36	16	5 1/8	7 7/8		N/A	10	4 1/2	6		N/A	19	5 1/2	8 1/2	6 7/8	19'-5"			
20'-5"	546	11	5 1/8	7 7/8	8	4 1/2	6	8	4 5/8	7	8	4 1/2	6	11	5	7		N/A	12	5	6 1/4	36	30	10	5 1/8	7 7/8		N/A	8	4 1/2	6		N/A	10	5 1/2	8 1/2	6 7/8	20'-5"			
21'-5"	546	10	5 1/8	7 7/8	7	4 1/2	6	6	4 5/8	7	6	4 1/2	6	9	5	7		N/A	9	5	6 1/4	36	25	9	5 1/8	7 7/8		N/A	6	4 1/2	6		N/A	9	5 1/2	8 1/2	6 7/8	21'-5"			
22'-5"	546	8	5 1/8	7 7/8	5	4 1/2	6		N/A			N/A		8	5	7		N/A		N/A		32	22	7	5 1/8	7 7/8		N/A		N/A		N/A	7	5 1/2	8 1/2	6 7/8	22'-5"				
23'-5"	548	16	5 3/4	8 3/4	10	5 1/2	8	7	5 5/8	10	18	5 1/2	8	19	6 1/4	8 1/8		N/A		14	6 5/8	7 7/8	36	36	18	5 3/4	8 3/4		N/A	11	5 1/2	8		N/A	25	6 1/4	10	7 1/2	23'-5"		
24'-5"	548	12	5 3/4	8 3/4	9	5 1/2	8		N/A		10	5 1/2	8	17	6 1/4	8 1/8		N/A		13	6 5/8	7 7/8	36	36	16	5 3/4	8 3/4		N/A	9	5 1/2	8		N/A	23	6 1/4	10	7 1/2	24'-5"		
25'-5"	548	11	5 3/4	8 3/4	7	5 1/2	8		N/A		9	5 1/2	8	11	6 1/4	8 1/8		N/A		12	6 5/8	7 7/8	36	36	11	5 3/4	8 3/4		N/A	8	5 1/2	8		N/A	10	6 1/4	10	7 1/2	25'-5"		
26'-5"	548	10	5 3/4	8 3/4	6	5 1/2	8		N/A		8	5 1/2	8	10	6 1/4	8 1/8		N/A		10	6 5/8	7 7/8	36	35	10	5 3/4	8 3/4		N/A	7	5 1/2	8		N/A	9	6 1/4	10	7 1/2	26'-5"		
27'-5"	648	9	5 3/4	8 3/4		N/A			N/A		6	5 1/2	8	8	6 1/4	8 1/8		N/A		7	6 5/8	7 7/8	36	36	9	5 3/4	8 3/4		N/A		5	5 1/2	8		N/A	8	6 1/4	10	7 1/2	27'-5"	
28'-5"	648	8	5 3/4	8 3/4		N/A			N/A		5	5 1/2	8	7	6 1/4	8 1/8		N/A			N/A		36	29	8	5 3/4	8 3/4		N/A		N/A		N/A	7	6 1/4	10	7 1/2	28'-5"			
29'-5"	648	6	5 3/4	8 3/4		N/A			N/A			N/A		6	6 1/4	8 1/8		N/A			N/A		36	27	7	5 3/4	8 3/4		N/A		N/A		N/A	6	6 1/4	10	7 1/2	29'-5"			
30'-5"	648	5	5 3/4	8 3/4		N/A			N/A			N/A		5	6 1/4	8 1/8		N/A			N/A		36	24		N/A				N/A		N/A		N/A	5	6 1/4	10	7 1/2	30'-5"		
31'-5"	DC6	10	5 3/4	8 3/4	7	5 1/2	8		N/A		8	5 1/2	8	8	6 1/4	8 1/8		N/A			N/A		36	34	10	5 3/4	8 3/4	8	4 1/2	6	8	5 1/2	8		N/A	9	6 1/4	10	9 1/4	31'-5"	

L/TR	REVISION	DATE	BY	E.C.O.
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A	REVISED WINDLOAD TABLES	08/12/2026	KAD	2398

CP0001/CP0651 - 0.0296_0.022 Minimum Thickness Galvanized or Stainless Steel - 60 PSF																																													
Guide Construction								Filled CMU														Steel (Wall anchors are the same diameter as assembly fasteners)																							
D.B.G. Up To	Windlock Location	Flat	Slip	Windlock	Guide Assembly	Windlock Flat Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt T22 Carbon & Stainless Steel		Powers Power-Stud+ SD1		Simpson Strong-Bolt 2			Hilti KH-EZ			Simpson Strong-Tie Titan			Hilti KH-EZ Stainless Steel			Simpson Strong-Tie Titan Stainless Steel			Through Bolting		Min. Edge Distance	Welded		Through Bolt			Tapped Bolt				Superimposed Loads				D.B.G. Up To	
									Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed		Max O.C.	Dia.	Slot Max O.C.	Heel and Toe Max O.C.	Slot Size	Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Min Thickness	Vx (+)	Vy (+)	Vx (-)		Vy (-)
4'-5"	1 1/2		0.719	CP0629	344	12	3/8	18	10	3/8	3	10	5/8	3 3/8	12	5/8	4 3/8	17	3/8	3 1/4	13	5/8	4 1/2	17	3/8	3 1/4	13	5/8	4 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	135	0	133	4'-5"
5'-5"	1 1/2		0.719	CP0629	344	12	3/8	18	8	3/8	3	8	5/8	3 3/8	10	5/8	4 3/8	14	3/8	3 1/4	13	3/4	5 1/2	14	3/8	3 1/4	8	3/4	5 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	165	0	163	5'-5"
6'-5"	1 1/2		0.719	CP0629	344	12	3/8	18	10	5/8	4 1/2	N/A	N/A	N/A	8	5/8	4 3/8	12	3/8	3 1/4	N/A	N/A	N/A	12	3/8	3 1/4	N/A	N/A	N/A	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	195	0	193	6'-5"
7'-5"	1 1/2		0.719	CP0629	344	12	3/8	18	8	5/8	4 1/2	N/A	N/A	N/A	8	3/4	5 1/4	10	3/8	3 1/4	N/A	N/A	N/A	10	3/8	3 1/4	N/A	N/A	N/A	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	225	0	223	7'-5"
8'-5"	1 1/2		0.719	CP0629	344	12	3/8	18	15	3/4	5 1/2	N/A	N/A	N/A	9	3/8	3 1/4	N/A	N/A	N/A	9	3/8	3 1/4	N/A	N/A	N/A	N/A	N/A	N/A	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	255	0	253	8'-5"
9'-5"	1 1/2		0.719	CP0629	344	12	3/8	18	13	3/4	5 1/2	N/A	N/A	N/A	8	3/8	3 1/4	N/A	N/A	N/A	11	1/2	4 1/4	N/A	N/A	N/A	N/A	N/A	N/A	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	285	0	283	9'-5"
10'-5"	1 1/2		0.719	CP0629	344	12	3/8	18	12	3/4	5 1/2	N/A	N/A	N/A	8	3/8	3 1/4	N/A	N/A	N/A	10	1/2	4 1/4	N/A	N/A	N/A	N/A	N/A	N/A	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	315	0	313	10'-5"
11'-5"	1 1/8		0.344	CP0629	344	12	3/8	18	8	1/2	3 3/4	9	5/8	3 3/8	11	5/8	4 3/8	11	3/8	3 1/4	12	5/8	4 1/2	11	3/8	3 1/4	9	5/8	4 1/2	8	3/8	5 3/4	28	36	7/16" x 5/8"	27	21	9	8	3/16	333	345	272	343	11'-5"
12'-5"	13/16		0.407	CP0629	344	12	3/8	11	11	3/4	5 1/2	N/A	N/A	N/A	9	1/2	4 1/4	N/A	N/A	N/A	9	1/2	4 1/4	N/A	N/A	N/A	N/A	N/A	N/A	8	3/8	5 3/4	14	25	7/16" x 5/8"	13	8	5	N/A	3/16	678	375	627	374	12'-5"
13'-5"	1 1/2		0.656	CP0630	445	10	1/2	15	8	3/4	5 1/2	N/A	N/A	N/A	8	1/2	4 1/4	N/A	N/A	N/A	8	1/2	4 1/4	N/A	N/A	N/A	N/A	N/A	N/A	8	1/2	6 13/16	16	24	9/16" x 3/4"	22	15	8	5	1/4	1001	434	970	434	13'-5"
14'-5"	1 1/2		0.656	CP0630	445	10	1/2	15	8	3/4	5 1/2	N/A	N/A	N/A	8	1/2	4 1/4	N/A	N/A	N/A	8	1/2	4 1/4	N/A	N/A	N/A	N/A	N/A	N/A	8	1/2	6 13/16	16	24	9/16" x 3/4"	22	15	8	5	1/4	1001	434	970	434	14'-5"
15'-5"	1 5/8		0.781	CP0630	445	9	1/2	13	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	6 1/4	N/A	N/A	N/A	8	1/2	6 13/16	14	21	N/A	N/A	N/A	8	1/2	6 13/16	14	21	9/16" x 3/4"	18	12	6	N/A	1/4	1158	463	1132	464	15'-5"	
16'-5"	1 3/4		0.906	CP0630	445	9	1/2	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	1/2	6 13/16	12	19	N/A	N/A	N/A	8	1/2	6 13/16	12	19	9/16" x 3/4"	15	10	6	N/A	1/4	1306	493	1283	494	16'-5"	
17'-5"	1 7/8		1.031	CP0630	446	8	5/8	17	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	5/8	6 7/8	13	20	N/A	N/A	N/A	8	5/8	6 7/8	13	20	11/16" x 7/8"	23	17	8	6	5/16	1445	522	1425	523	17'-5"	
18'-5"	2		1.156	CP0630	546	8	5/8	15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	5/8	6 7/8	12	18	N/A	N/A	N/A	8	5/8	6 7/8	12	18	11/16" x 7/8"	21	15	7	5	5/16	1575	552	1558	553	18'-5"	
19'-5"	2		1.156	CP0630 & CP0647	546	7	5/8	13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	5/8	6 7/8	10	16	N/A	N/A	N/A	8	5/8	6 7/8	10	16	11/16" x 7/8"	17	12	6	N/A	5/16	1823	582	1806	583	19'-5"	
20'-5"	2		1.156	CP0630 & CP0647	546	7	5/8	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	5/8	6 7/8	9	14	N/A	N/A	N/A	8	5/8	6 7/8	9	14	11/16" x 7/8"	14	10	5	N/A	5/16	2067	612	2050	614	20'-5"	
21'-5"	2 1/2		1.656	CP0630 & CP0647	548	7	3/4	18	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	17	19	N/A	N/A	N/A	8	3/4	7 1/2	17	19	7/8" x 1"	36	30	13	9	3/8	1843	641	1825	641	21'-5"	
22'-5"	2 1/2		1.656	CP0630 & CP0647	548	7	3/4	17	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	15	17	N/A	N/A	N/A	8	3/4	7 1/2	15	17	7/8" x 1"	35	26	12	8	3/8	2048	671	2031	672	22'-5"	
23'-5"	2 1/2		1.656	CP0630 & CP0647	548	6	3/4	16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	14	16	N/A	N/A	N/A	8	3/4	7 1/2	14	16	7/8" x 1"	32	23	11	8	3/8	2252	701	2235	702	23'-5"	
24'-5"	2 1/2		1.656	CP0630 & CP0647	648	6	3/4	14	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	13	15	N/A	N/A	N/A	8	3/4	7 1/2	13	15	7/8" x 1"	29	20	10	7	3/8	2455	732	2438	732	24'-5"	
25'-5"	2 1/2		1.656	CP0630 & CP0647	648	6	3/4	13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	12	13	N/A	N/A	N/A	8	3/4	7 1/2	12	13	7/8" x 1"	26	18	9	6	3/8	2657	762	2641	762	25'-5"	
26'-5"	2 1/2		1.656	CP0630 & CP0647	648	6	3/4	13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	11	12	N/A	N/A	N/A	8	3/4	7 1/2	11	12	7/8" x 1"	24	16	8	6	3/8	2861	792	2844	793	26'-5"	
27'-5"	2 1/2		1.656	CP0630 & CP0647	648	5	3/4	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	10	12	N/A	N/A	N/A	8	3/4	7 1/2	10	12	7/8" x 1"	22	15	8	6	3/8	3064	823	3048	823	27'-5"	
28'-5"	2 1/2		1.656	CP0630 & CP0647	DC6	5	3/4	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	9 1/4	9	11	N/A	N/A	N/A	8	3/4	9 1/4	9	11	7/8" x 1"	20	13	7	5	3/8	3269	853	3253	854	28'-5"	

CP0001/CP0651 - 0.0296_0.022 Minimum Thickness Galvanized or Stainless Steel - 60 PSF - Continued																																												
Concrete Minimum 4,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																																												
D.B.G. Up To	Guide Assembly	Simpson Strong-Bolt 2			Hilti Kwik Bolt 1			Powers Power-Stud+ SD1			Hilti Kwik Bolt T22			Hilti KH-EZ			ITW Redhead Trubolt			Hilti HVU2			Through Bolting - Carbon Steel Max O.C.	Through Bolting - Stainless Steel Max O.C.	Simpson Strong-Bolt 2 Stainless Steel			Powers Power-Stud+ SD4 Stainless Steel			Hilti Kwik Bolt T22 Stainless Steel			Hilti KH-EZ Stainless Steel			Simpson Titen HD Stainless Steel			Min. Edge Distance	D.B.G. Up To			
		Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.			Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.					
4'-5"	344		N/A		22	2 3/8	4	21	2 3/8	3 3/4	22	2 1/2	4	28	2 1/2	4	21	2 1/4	4	36	3 1/2	4 3/4	36		36		N/A		19	1 7/8	3 1/4	21	2 1/2	4	30	2 1/2	4	30	2 1/2	4	5 3/4	4'-5"		
5'-5"	344		N/A		19	2 3/8	4	19	2 3/8	3 3/4	20	2 1/2	4	25	2 1/2	4	17	2 1/4	4	30	3 1/2	4 3/4	36		31		N/A		17	1 7/8	3 1/4	19	2 1/2	4	27	2 1/2	4	27	2 1/2	4	5 3/4	5'-5"		
6'-5"	344		N/A		18	2 3/8	4	17	2 3/8	3 3/4	18	2 1/2	4	23	2 1/2	4	14	2 1/4	4	25	3 1/2	4 3/4	34		26		N/A		15	1 7/8	3 1/4	18	2 1/2	4	25	2 1/2	4	25	2 1/2	4	5 3/4	6'-5"		
7'-5"	344		N/A		17	2 3/8	4	16	2 3/8	3 3/4	17	2 1/2	4	22	2 1/2	4	12	2 1/4	4	22	3 1/2	4 3/4	29		23		N/A		14	1 7/8	3 1/4	16	2 1/2	4	23	2 1/2	4	23	2 1/2	4	5 3/4	7'-5"		
8'-5"	344		N/A		16	2 3/8	4	14	2 3/8	3 3/4	16	2 1/2	4	20	2 1/2	4	11	2 1/4	4	19	3 1/2	4 3/4	26		20		N/A		13	1 7/8	3 1/4	15	2 1/2	4	21	2 1/2	4	22	2 1/2	4	5 3/4	8'-5"		
9'-5"	344		N/A		14	2 3/8	4	13	2 3/8	3 3/4	15	2 1/2	4	19	2 1/2	4	10	2 1/4	4	17	3 1/2	4 3/4	23		18		N/A		13	1 7/8	3 1/4	14	2 1/2	4	20	2 1/2	4	21	2 1/2	4	5 3/4	9'-5"		
10'-5"	344		N/A		13	2 3/8	4	12	2 3/8	3 3/4	14	2 1/2	4	18	2 1/2	4	9	2 1/4	4	15	3 1/2	4 3/4	21		16		N/A		12	1 7/8	3 1/4	14	2 1/2	4	19	2 1/2	4	20	2 1/2	4	5 3/4	10'-5"		
11'-5"	344		N/A		15	2 3/8	4	15	2 3/8	3 3/4	16	2 1/2	4	20	2 1/2	4	13	2 1/4	4	19	3 1/2	4 3/4	26		36		N/A		10	1 7/8	3 1/4	16	2 1/2	4	22	2 1/2	4	22	2 1/2	4	5 3/4	11'-5"		
12'-5"	344		N/A		5	2 3/8	4	5	2 3/8	4	5	2 1/2	4	5	2 1/2	4	5	2 1/4	4	11	3 1/2	4 3/4	28		19		N/A			N/A		5	2 1/2	4	5	2 1/2	4	17	3 1/4	5	5 3/4	12'-5"		
13'-5"	445	15	3 7/8	6	9	3 5/8	6	11	3 3/4	6	9	3 3/4	5 1/2	18	4 1/4	6 3/4	12	4	6	16	4 1/4	5 1/2	36		30		13	3 7/8	6		N/A		15	3 3/4	5 1/2	12	4 1/4	6 3/4	18	4	6 1/4	6 13/16	13'-5"	
14'-5"	445	15	3 7/8	6	9	3 5/8	6	11	3 3/4	6	9	3 3/4	5 1/2	18	4 1/4	6 3/4	12	4	6	16	4 1/4	5 1/2	36		30		13	3 7/8	6		N/A		15	3 3/4	5 1/2	12	4 1/4	6 3/4	18	4	6 1/4	6 13/16	14'-5"	
15'-5"	445	12	3 7/8	6	9	3 5/8	6	9	3 3/4	6	9	3 3/4	5 1/2	17	4 1/4	6 3/4	10	4	6	14	4 1/4	5 1/2	35		24		11	3 7/8	6		N/A		9	3 3/4	5 1/2	9	4 1/4	6 3/4	7	4	6 1/4	6 13/16	15'-5"	
16'-5"	445	10	3 7/8	6	7	3 5/8	6	9	3 3/4	6	7	3 3/4	5 1/2	15	4 1/4	6 3/4	9	4	6	12	4 1/4	5 1/2	29		20		10	3 7/8	6		N/A		9	3 3/4	5 1/2	9	4 1/4	6 3/4	7	4	6 1/4	6 13/16	16'-5"	
17'-5"	446	17	5 1/8	7 7/8	10	4 1/2	6	10	4 5/8	7	10	4 1/2	6	17	5	7		N/A		17	5	6 1/4	36		35		16	5 1/8	7 7/8		N/A		10	4 1/2	6		N/A		18	5 1/2	8 1/2	6 7/8	17'-5"	
18'-5"	546	15	5 1/8	7 7/8	9	4 1/2	6	8	4 5/8	7	9	4 1/2	6	11	5	7		N/A		12	5	6 1/4	36		31		11	5 1/8	7 7/8		N/A		10	5 1/2	8 1/2	6 7/8		N/A		10	5 1/2	8 1/2	6 7/8	18'-5"
19'-5"	546	10	5 1/8	7 7/8	6	4 1/2	6	6	4 5/8	7	6	4 1/2	6	9	5	7		N/A		9	5	6 1/4	36		25		9	5 1/8	7 7/8		N/A		6	4 1/2	6		N/A		9	5 1/2	8 1/2	6 7/8	19'-5"	
20'-5"	546	8	5 1/8	7 7/8		N/A			N/A			N/A		8	5	7		N/A			N/A			31		21		7	5 1/8	7 7/8		N/A			N/A			N/A		7	5 1/2	8 1/2	6 7/8	20'-5"
21'-5"	548	13	5 3/4	8 3/4	10	5 1/2	8		N/A		11	5 1/2	8	18	6 1/4	8 1/8		N/A		14	6 5/8	7 7/8	36		36		17	5 3/4	8 3/4		N/A		10	5 1/2	8		N/A		25	6 1/4	10	7 1/2	21'-5"	
22'-5"	548	12	5 3/4	8 3/4	8	5 1/2	8		N/A		10	5 1/2	8	11	6 1/4	8 1/8		N/A		13	6 5/8	7 7/8	36		36		12	5 3/4	8 3/4		N/A		9	5 1/2	8		N/A		11	6 1/4	10	7 1/2	22'-5"	
23'-5"	548	10	5 3/4	8 3/4	6	5 1/2	8		N/A		8	5 1/2	8	10	6 1/4	8 1/8		N/A		10	6 5/8	7 7/8	36		36		11	5 3/4	8 3/4		N/A		7	5 1/2	8		N/A		10	6 1/4	10	7 1/2	23'-5"	
24'-5"	648	9	5 3/4	8 3/4	5	5 1/2	8		N/A		7	5 1/2	8	9	6 1/4	8 1/8		N/A		7	6 5/8	7 7/8	36		36			5 3/4	8 3/4		N/A		5	5 1/2	8		N/A		8	6 1/4	10	7 1/2	24'-5"	
25'-5"	648	8	5 3/4	8 3/4		N/A			N/A		5	5 1/2	8	7	6 1/4	8 1/8		N/A			N/A			36		36		8	5 3/4	8 3/4		N/A			N/A			N/A		7	6 1/4	10	7 1/2	25'-5"
26'-5"	648	6	5 3/4	8 3/4		N/A			N/A			N/A		6	6 1/4	8 1/8		N/A			N/A			36		36		7	5 3/4	8 3/4		N/A			N/A			N/A		6	6 1/4	10	7 1/2	26'-5"
27'-5"	648	5	5 3/4	8 3/4		N/A			N/A			N/A			N/A			N/A			N/A			35		24			N/A			N/A			N/A			N/A			N/A		7 1/2	27'-5"
28'-5"	DC6	9	5 3/4	8 3/4	7	5 1/2	8		N/A		8	5 1/2	8	8	6 1/4	8 1/8		N/A		9	6 5/8	7 7/8		36		33		10	5 3/4	8 3/4	7	4 1/2	6	7	5 1/2	8		N/A		8	6 1/4	10	9 1/4	28'-5"

L'TR	REVISION	DATE	BY	E.C.O.
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A	REVISED WINDLOAD TABLES	08/12/2026	KAD	2398

CP0001/CP0651 - 0.0296_0.022 Minimum Thickness Galvanized or Stainless Steel - 65 PSF																																												
Guide Construction								Filled CMU															Steel (Wall anchors are the same diameter as assembly fasteners)																					
D.B.G. Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Flat Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt T22 Carbon & Stainless Steel			Powers Power-Stud+ SD1			Simpson Strong-Bolt 2			Hilti KH-EZ			Simpson Strong-Tie Titen			Hilti KH-EZ Stainless Steel			Simpson Strong-Tie Titen Stainless Steel			Through Bolting		Min. Edge Distance	Welded		Through Bolt		Tapped Bolt			Superimposed Loads				D.B.G. Up To	
								Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.		Embed	Max O.C.	Dia.	Slot Max O.C.	Heel and Toe Max O.C.	Slot Size	Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Min Thickness		Vx (+)
4'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	9	3/8	3	9	5/8	3 3/8	11	5/8	4 3/8	16	3/8	3 1/4	12	5/8	4 1/2	16	3/8	3 1/4	12	5/8	4 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	146	0	144	4'-5"
5'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	1/2	3 3/4	N/A	9	5/8	4 3/8	13	3/8	3 1/4	12	3/4	5 1/2	13	3/8	3 1/4	8	3/4	5 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	179	0	176	5'-5"		
6'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	9	5/8	4 1/2	N/A	8	5/8	4 3/8	11	3/8	3 1/4	N/A	N/A	N/A	11	3/8	3 1/4	N/A	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	211	0	209	6'-5"				
7'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	5/8	4 1/2	N/A	8	3/4	5 1/4	9	3/8	3 1/4	N/A	N/A	N/A	9	3/8	3 1/4	N/A	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	244	0	241	7'-5"				
8'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	14	3/4	5 1/2	N/A	11	1/2	4 1/4	N/A	11	1/2	4 1/4	N/A	N/A	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	276	0	274	8'-5"					
9'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	12	3/4	5 1/2	N/A	N/A	N/A	12	1/2	4 1/4	N/A	10	1/2	4 1/4	N/A	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	7/16" x 5/8"	36	36	34	3/16	0	309	0	306	9'-5"					
11'-5"	1 1/8	0.344	CP0629	344	12	3/8	14	8	5/8	4 1/2	N/A	8	5/8	4 3/8	13	1/2	4 1/4	N/A	11	1/2	4 1/4	N/A	8	3/8	5 3/4	19	31	7/16" x 5/8"	18	13	6	5	3/16	503	374	439	372	11'-5"						
12'-5"	1 5/16	0.532	CP0629	DC4	12	1/2	18	6	1/2	3 3/4	N/A	N/A	N/A	8	1/2	4 1/4	N/A	8	1/2	4 1/4	N/A	8	1/2	6 1/4	12	12	9/16" x 3/4"	12	11	12	11	1/4	566	406	517	404	12'-5"							
13'-5"	1 3/8	0.531	CP0630	445	10	1/2	15	8	3/4	5 1/2	N/A	N/A	N/A	9	3/4	6 1/4	N/A	N/A	N/A	N/A	8	1/2	6 13/16	16	23	9/16" x 3/4"	22	15	7	5	1/4	1008	437	970	438	13'-5"								
14'-5"	1 7/16	0.594	CP0630	445	9	1/2	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	1/2	6 13/16	12	18	9/16" x 3/4"	15	10	6	N/A	1/4	1291	470	1257	471	14'-5"								
15'-5"	1 1/2	0.656	CP0630	446	8	5/8	17	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	5/8	6 7/8	12	18	11/16" x 7/8"	21	15	7	5	5/16	1544	503	1512	503	15'-5"								
16'-5"	1 5/8	0.781	CP0630	446	8	5/8	15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	5/8	6 7/8	11	17	11/16" x 7/8"	20	14	7	5	5/16	1665	535	1638	536	16'-5"								
17'-5"	1 7/8	1.031	CP0630	546	8	5/8	15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	5/8	6 7/8	11	18	11/16" x 7/8"	20	14	7	5	5/16	1626	566	1605	567	17'-5"								
18'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	14	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	5/8	6 7/8	10	16	11/16" x 7/8"	18	13	6	N/A	5/16	1761	598	1742	599	18'-5"								
19'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	5/8	6 7/8	9	14	11/16" x 7/8"	15	10	5	N/A	5/16	2024	631	2006	632	19'-5"								
20'-5"	2 3/8	1.531	CP0630 & CP0647	548	7	3/4	18	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	16	19	7/8" x 1"	36	29	13	9	3/8	1913	663	1892	663	20'-5"								
21'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	17	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	15	18	7/8" x 1"	35	26	12	9	3/8	2036	695	2017	695	21'-5"								
22'-5"	2 1/2	1.656	CP0630 & CP0647	548	6	3/4	15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	14	16	7/8" x 1"	32	23	11	8	3/8	2255	727	2237	728	22'-5"								
23'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	14	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	13	14	7/8" x 1"	29	20	10	7	3/8	2472	760	2455	760	23'-5"								
24'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	12	13	7/8" x 1"	26	18	9	6	3/8	2690	793	2672	793	24'-5"								
25'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	11	12	7/8" x 1"	23	16	8	6	3/8	2907	826	2890	826	25'-5"								
26'-5"	2 1/2	1.656	CP0630 & CP0647	DC6	5	3/4	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	9 1/4	10	11	7/8" x 1"	21	14	8	5	3/8	3125	858	3108	859	26'-5"								

CP0001/CP0651 - 0.0296_0.022 Minimum Thickness Galvanized or Stainless Steel - 65 PSF - Continued																																									
Concrete Minimum 4,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																																									
D.B.G. Up To	Guide Assembly	Simpson Strong-Bolt 2			Hilti Kwik Bolt 1			Powers Power-Stud+ SD1			Hilti Kwik Bolt T22			Hilti KH-EZ			ITW Redhead Trubolt			Hilti HVU2			Through Bolting - Carbon Steel Max O.C.	Through Bolting - Stainless Steel Max O.C.	Simpson Strong-Bolt 2 Stainless Steel			Powers Power-Stud+ SD4 Stainless Steel			Hilti Kwik Bolt T22 Stainless Steel			Hilti KH-EZ Stainless Steel			Simpson Titen HD Stainless Steel			Min. Edge Distance	D.B.G. Up To
		Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.			Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.		
4'-5"	344		N/A		21	2 3/8	4	20	2 3/8	3 3/4	21	2 1/2	4	27	2 1/2	4	19	2 1/4	4	34	3 1/2	4 3/4	36	35		N/A		18	1 7/8	3 1/4	20	2 1/2	4	28	2 1/2	4	29	2 1/2	4	5 3/4	4'-5"
5'-5"	344		N/A		19	2 3/8	4	18	2 3/8	3 3/4	19	2 1/2	4	24	2 1/2	4	16	2 1/4	4	28	3 1/2	4 3/4	36	29		N/A		16	1 7/8	3 1/4	18	2 1/2	4	26	2 1/2	4	26	2 1/2	4	5 3/4	5'-5"
6'-5"	344		N/A		17	2 3/8	4	16	2 3/8	3 3/4	17	2 1/2	4	22	2 1/2	4	13	2 1/4	4	23	3 1/2	4 3/4	31	24		N/A		15	1 7/8	3 1/4	17	2 1/2	4	24	2 1/2	4	24	2 1/2	4	5 3/4	6'-5"
7'-5"	344		N/A		16	2 3/8	4	15	2 3/8	3 3/4	16	2 1/2	4	21	2 1/2	4	11	2 1/4	4	20	3 1/2	4 3/4	27	21		N/A		14	1 7/8	3 1/4	16	2 1/2	4	22	2 1/2	4	22	2 1/2	4	5 3/4	7'-5"
8'-5"	344		N/A		15	2 3/8	4	13	2 3/8	3 3/4	15	2 1/2	4	19	2 1/2	4	10	2 1/4	4	18	3 1/2	4 3/4	24	18		N/A		13	1 7/8	3 1/4	15	2 1/2	4	21	2 1/2	4	21	2 1/2	4	5 3/4	8'-5"
9'-5"	344		N/A		13	2 3/8	4	12	2 3/8	3 3/4	14	2 1/2	4	18	2 1/2	4	9	2 1/4	4	16	3 1/2	4 3/4	21	16		N/A		12	1 7/8	3 1/4	14	2 1/2	4	19	2 1/2	4	20	2 1/2	4	5 3/4	9'-5"
11'-5"	344		N/A		11	2 3/8	4	11	2 3/8	3 3/4	13	2 1/2	4	17	2 1/2	4	9	2 1/4	4	14	3 1/2	4 3/4	36	29		N/A			N/A		13	2 1/2	4	16	2 1/2	4	16	2 1/2	4	5 3/4	11'-5"
12'-5"	DC4	20	3 7/8	6	18	3 5/8	6	17	3 3/4	6	19	3 3/4	5 1/2	23	4 1/4	6 3/4	10	4	6	23	4 1/4	5 1/2	36	24	20	3 7/8	6	9	2 1/2	4	20	3 3/4	5 1/2	22	4 1/4	6 3/4	26	4	6 1/4	5 3/4	12'-5"
13'-5"	445	14	3 7/8	6	9	3 5/8	6	10	3 3/4	6	9	3 3/4	5 1/2	18	4 1/4	6 3/4	11	4	6	16	4 1/4	5 1/2	36	30	13	3 7/8	6		N/A		14	3 3/4	5 1/2	11	4 1/4	6 3/4	7	4	6 1/4	6 13/16	13'-5"
14'-5"	445	10	3 7/8	6	8	3 5/8	6	9	3 3/4	6	7	3 3/4	5 1/2	15	4 1/4	6 3/4	9	4	6	12	4 1/4	5 1/2	31	21	10	3 7/8	6		N/A		9	3 3/4	5 1/2	9	4 1/4	6 3/4	7	4	6 1/4	6 13/16	14'-5"
15'-5"	446	16	5 1/8	7 7/8	9	4 1/2	6	9	4 5/8	7	9	4 1/2	6	16	5	7		N/A		13	5	6 1/4	36	34	11	5 1/8	7 7/8		N/A		9	4 1/2	6		N/A		10	5 1/2	8 1/2	6 7/8	15'-5"
16'-5"	446	11	5 1/8	7 7/8	8	4 1/2	6	8	4 5/8	7	8	4 1/2	6	11	5	7		N/A		12	5	6 1/4	36	30	10	5 1/8	7 7/8		N/A		8	4 1/2	6		N/A		10	5 1/2	8 1/2	6 7/8	16'-5"
17'-5"	546	11	5 1/8	7 7/8	8	4 1/2	6	8	4 5/8	7	8	4 1/2	6	11	5	7		N/A		12	5	6 1/4	36	30	10	5 1/8	7 7/8		N/A		8	4 1/2	6		N/A		10	5 1/2	8 1/2	6 7/8	17'-5"
18'-5"	546	10	5 1/8	7 7/8	7	4 1/2	6	6	4 5/8	7	7	4 1/2	6	10	5	7		N/A		10	5	6 1/4	36	26	9	5 1/8	7 7/8		N/A		7	4 1/2	6		N/A		9	5 1/2	8 1/2	6 7/8	18'-5"
19'-5"	546	8	5 1/8	7 7/8		N/A			N/A			N/A		8	5	7		N/A			N/A		32	22	7	5 1/8	7 7/8		N/A			N/A			N/A		7	5 1/2	8 1/2	6 7/8	19'-5"
20'-5"	548	13	5 3/4	8 3/4	9	5 1/2	8		N/A		11	5 1/2	8	18	6 1/4	8 1/8		N/A		13	6 5/8	7 7/8	36	36	16	5 3/4	8 3/4		N/A		10	5 1/2	8		N/A		24	6 1/4	10	7 1/2	20'-5"
21'-5"	548	12	5 3/4	8 3/4	8	5 1/2	8		N/A		10	5 1/2	8	11	6 1/4	8 1/8		N/A		13	6 5/8	7 7/8	36	36	12	5 3/4	8 3/4		N/A		9	5 1/2	8		N/A		11	6 1/4	10	7 1/2	21'-5"
22'-5"	548	10	5 3/4	8 3/4	6	5 1/2	8		N/A		8	5 1/2	8	10	6 1/4	8 1/8		N/A		10	6 5/8	7 7/8	36	36	11	5 3/4	8 3/4		N/A		7	5 1/2	8		N/A		10	6 1/4	10	7 1/2	22'-5"
23'-5"	648	9	5 3/4	8 3/4		N/A			N/A		6	5 1/2	8	8	6 1/4	8 1/8		N/A		7	6 5/8	7 7/8	36	32	9	5 3/4	8 3/4		N/A		5	5 1/2	8		N/A		8	6 1/4	10	7 1/2	23'-5"
24'-5"	648	7	5 3/4	8 3/4		N/A			N/A		5	5 1/2	8	7	6 1/4	8 1/8		N/A			N/A		36	28	8	5 3/4	8 3/4		N/A			N/A			N/A		7	6 1/4	10	7 1/2	24'-5"
25'-5"	648	6	5 3/4	8 3/4		N/A			N/A			N/A		5	6 1/4	8 1/8		N/A			N/A		36	25		N/A					N/A			N/A		5	6 1/4	10	7 1/2	25'-5"	
26'-5"	DC6	10	5 3/4	8 3/4	7	5 1/2	8		N/A		9	5 1/2	8	9	6 1/4	8 1/8		N/A		10	6 5/8	7 7/8	36	35	10	5 3/4	8 3/4		8	4 1/2	6		8	5 1/2	8		9	6 1/4	10	9 1/4	26'-5"

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	11/26/2025	KAD	2398
A	REVISED WINDLOAD TABLES	08/12/2026	KAD	2398

CP0001/CP0651 - 0.0296_0.022 Minimum Thickness Galvanized or Stainless Steel - 70 PSF																																												
Guide Construction								Filled CMU																		Steel (Wall anchors are the same diameter as assembly fasteners)																		
D.B.G. Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Flat Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt TZ2 Carbon & Stainless Steel			Powers Power-Stud+ SD1			Simpson Strong-Bolt 2			Hilti KH-EZ			Simpson Strong-Tie Titen			Hilti KH-EZ Stainless Steel			Simpson Strong-Tie Titen Stainless Steel			Through Bolting		Min. Edge Distance	Welded		Through Bolt		Tapped Bolt				Superimposed Loads				D.B.G. Up To
								Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Slot Max O.C.	Heel and Toe Max O.C.	Slot Size		Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Min Thickness	Vx (+)	Vy (+)	Vx (-)	Vy (-)				
4'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	3/8	3	8	5/8	3 3/8	10	5/8	4 3/8	15	3/8	3 1/4	14	3/4	5 1/2	14	3/8	3 1/4	9	3/4	5 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	158	0	155	4'-5"
5'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	10	5/8	4 1/2	N/A	N/A	8	5/8	4 3/8	12	3/8	3 1/4	N/A	12	3/8	3 1/4	N/A	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	36	3/16	0	193	0	190	5'-5"				
6'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	5/8	4 1/2	N/A	N/A	8	3/4	5 1/4	10	3/8	3 1/4	N/A	10	3/8	3 1/4	N/A	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	36	3/16	0	228	0	225	6'-5"				
7'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	15	3/4	5 1/2	N/A	N/A	N/A	9	3/8	3 1/4	N/A	12	1/2	4 1/4	N/A	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	36	3/16	0	263	0	260	7'-5"						
8'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	13	3/4	5 1/2	N/A	N/A	N/A	13	1/2	4 1/4	N/A	11	1/2	4 1/4	N/A	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	35	3/16	0	298	0	295	8'-5"						
9'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	11	3/4	5 1/2	N/A	N/A	N/A	12	1/2	4 1/4	N/A	9	1/2	4 1/4	N/A	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	31	3/16	0	333	0	330	9'-5"						
11'-5"	1 1/8	0.344	CP0629	344	12	3/8	11	11	3/4	5 1/2	N/A	N/A	N/A	9	1/2	4 1/4	N/A	9	1/2	4 1/4	N/A	8	3/8	5 3/4	14	24	7/16" x 5/8"	13	9	5	N/A	3/16	672	403	607	401	11'-5"							
12'-5"	1 1/4	0.406	CP0630	445	10	1/2	16	8	3/4	5 1/2	N/A	N/A	N/A	9	3/4	6 1/4	N/A	N/A	N/A	N/A	N/A	8	1/2	6 13/16	15	22	9/16" x 3/4"	21	15	7	5	1/4	1024	436	976	437	12'-5"							
13'-5"	1 5/16	0.469	CP0630	445	9	1/2	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	1/2	6 13/16	12	17	9/16" x 3/4"	14	10	5	N/A	1/4	1341	472	1298	472	13'-5"							
14'-5"	1 7/16	0.594	CP0630	446	8	5/8	18	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	5/8	6 7/8	12	19	11/16" x 7/8"	22	16	8	5	5/16	1473	506	1437	507	14'-5"							
15'-5"	1 1/2	0.656	CP0630 & CP0647	546	7	5/8	15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	5/8	6 7/8	10	16	11/16" x 7/8"	19	13	6	5	5/16	1735	541	1702	542	15'-5"							
16'-5"	1 5/8	0.781	CP0630 & CP0647	546	7	5/8	14	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	5/8	6 7/8	10	15	11/16" x 7/8"	17	12	6	N/A	5/16	1857	576	1828	577	16'-5"							
17'-5"	1 3/4	0.906	CP0630 & CP0647	546	7	5/8	13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	5/8	6 7/8	9	14	11/16" x 7/8"	15	10	6	N/A	5/16	1981	610	1956	612	17'-5"							
18'-5"	1 7/8	1.031	CP0630 & CP0647	548	7	3/4	18	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	15	17	7/8" x 1"	34	25	12	8	3/8	2116	646	2084	646	18'-5"							
19'-5"	2 1/8	1.281	CP0630 & CP0647	548	7	3/4	17	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	15	17	7/8" x 1"	34	26	12	8	3/8	2091	680	2064	680	19'-5"							
20'-5"	2 1/4	1.406	CP0630 & CP0647	548	7	3/4	16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	14	16	7/8" x 1"	32	24	11	8	3/8	2219	714	2195	715	20'-5"							
21'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	14	16	7/8" x 1"	32	23	11	8	3/8	2229	748	2210	748	21'-5"							
22'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	14	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	13	14	7/8" x 1"	29	20	10	7	3/8	2462	783	2442	784	22'-5"							
23'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	12	13	7/8" x 1"	26	18	9	6	3/8	2693	819	2674	819	23'-5"							
24'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	11	12	7/8" x 1"	23	16	8	6	3/8	2925	854	2906	855	24'-5"							
25'-5"	2 1/2	1.656	CP0630 & CP0647	DC6	5	3/4	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	9 1/4	10	11	7/8" x 1"	21	14	8	5	3/8	3157	889	3138	890	25'-5"							

CP0001/CP0651 - 0.0296_0.022 Minimum Thickness Galvanized or Stainless Steel - 70 PSF - Continued																																										
Concrete Minimum 4,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																																										
D.B.G. Up To	Guide Assembly	Simpson Strong-Bolt 2			Hilti Kwik Bolt 1			Powers Power-Stud+ SD1			Hilti Kwik Bolt TZ2			Hilti KH-EZ			ITW Redhead Trubolt			Hilti HVU2			Through Bolting - Carbon Steel Max O.C.	Through Bolting - Stainless Steel Max O.C.	Simpson Strong-Bolt 2 Stainless Steel			Powers Power-Stud+ SD4 Stainless Steel			Hilti Kwik Bolt TZ2 Stainless Steel			Hilti KH-EZ Stainless Steel			Simpson Titen HD Stainless Steel			Min. Edge Distance	D.B.G. Up To	
		Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.			Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.			
4'-5"	344	N/A			20	2 3/8	4	19	2 3/8	3 3/4	20	2 1/2	4	26	2 1/2	4	18	2 1/4	4	31	3 1/2	4 3/4	36	33	N/A			17	1 7/8	3 1/4	20	2 1/2	4	27	2 1/2	4	28	2 1/2	4	5 3/4	4'-5"	
5'-5"	344	N/A			18	2 3/8	4	17	2 3/8	3 3/4	18	2 1/2	4	23	2 1/2	4	15	2 1/4	4	26	3 1/2	4 3/4	34	27	N/A			16	1 7/8	3 1/4	18	2 1/2	4	25	2 1/2	4	25	2 1/2	4	5 3/4	5'-5"	
6'-5"	344	N/A			16	2 3/8	4	16	2 3/8	3 3/4	17	2 1/2	4	22	2 1/2	4	12	2 1/4	4	22	3 1/2	4 3/4	29	22	N/A			14	1 7/8	3 1/4	16	2 1/2	4	23	2 1/2	4	23	2 1/2	4	5 3/4	6'-5"	
7'-5"	344	N/A			15	2 3/8	4	14	2 3/8	3 3/4	15	2 1/2	4	20	2 1/2	4	11	2 1/4	4	19	3 1/2	4 3/4	25	19	N/A			13	1 7/8	3 1/4	15	2 1/2	4	21	2 1/2	4	21	2 1/2	4	5 3/4	7'-5"	
8'-5"	344	N/A			14	2 3/8	4	12	2 3/8	3 3/4	14	2 1/2	4	19	2 1/2	4	9	2 1/4	4	16	3 1/2	4 3/4	22	17	N/A			12	1 7/8	3 1/4	14	2 1/2	4	20	2 1/2	4	20	2 1/2	4	5 3/4	8'-5"	
9'-5"	344	N/A			12	2 3/8	4	11	2 3/8	3 3/4	14	2 1/2	4	18	2 1/2	4	8	2 1/4	4	15	3 1/2	4 3/4	20	15	N/A			N/A			13	2 1/2	4	5	2 1/2	4	19	2 1/2	4	5 3/4	9'-5"	
11'-5"	344	N/A			5	2 3/8	4	5	2 3/8	4	5	2 1/2	4	5	2 1/2	4	5	2 1/4	4	11	3 1/2	4 3/4	29	20	N/A			N/A			5	2 1/2	4	5	2 1/2	4	15	3 1/4	5	5 3/4	11'-5"	
12'-5"	445	14	3 7/8	6	9	3 5/8	6	10	3 3/4	6	9	3 3/4	5 1/2	17	4 1/4	6 3/4	11	4	6	15	4 1/4	5 1/2	36	30	12	3 7/8	6	N/A			13	3 3/4	5 1/2	10	4 1/4	6 3/4	7	4	6 1/4	6 13/16	12'-5"	
13'-5"	445	10	3 7/8	6	7	3 5/8	6	8	3 3/4	6	6	3 3/4	5 1/2	9	4 1/4	6 3/4	8	4	6	11	4 1/4	5 1/2	30	20	9	3 7/8	6	N/A			9	3 3/4	5 1/2	8	4 1/4	6 3/4	7	4	6 1/4	6 13/16	13'-5"	
14'-5"	446	17	5 1/8	7 7/8	10	4 1/2	6	9	4 5/8	7	10	4 1/2	6	17	5	7	N/A			16	5	6 1/4	36	36	15	5 1/8	7 7/8	N/A			9	4 1/2	6	N/A			10	5 1/2	8 1/2	6 7/8	14'-5"	
15'-5"	546	10	5 1/8	7 7/8	7	4 1/2	6	7	4 5/8	7	7	4 1/2	6	10	5	7	N/A			10	5	6 1/4	36	36	10	5 1/8	7 7/8	N/A			7	4 1/2	6	N/A			9	5 1/2	8 1/2	6 7/8	15'-5"	
16'-5"	546	9	5 1/8	7 7/8	6	4 1/2	6	6	4 5/8	7	6	4 1/2	6	9	5	7	N/A			8	5	6 1/4	36	29	8	5 1/8	7 7/8	N/A			6	4 1/2	6	N/A			8	5 1/2	8 1/2	6 7/8	16'-5"	
17'-5"	546	8	5 1/8	7 7/8	5	4 1/2	6	N/A			5	4 1/2	6	8	5	7	N/A			5	5	6 1/4	33	23	7	5 1/8	7 7/8	N/A			5	4 1/2	6	N/A			7	5 1/2	8 1/2	6 7/8	17'-5"	
18'-5"	548	11	5 3/4	8 3/4	8	5 1/2	8	N/A			9	5 1/2	8	11	6 1/4	8 1/8	N/A			13	6 5/8	7 7/8	36	36	12	5 3/4	8 3/4	N/A			8	5 1/2	8	N/A			11	6 1/4	10	7 1/2	18'-5"	
19'-5"	548	11	5 3/4	8 3/4	8	5 1/2	8	N/A			9	5 1/2	8	11	6 1/4	8 1/8	N/A			13	6 5/8	7 7/8	36	36	12	5 3/4	8 3/4	N/A			8	5 1/2	8	N/A			11	6 1/4	10	7 1/2	19'-5"	
20'-5"	548	10	5 3/4	8 3/4	7	5 1/2	8	N/A			8	5 1/2	8	10	6 1/4	8 1/8	N/A			11	6 5/8	7 7/8	36	36	11	5 3/4	8 3/4	N/A			7	5 1/2	8	N/A			10	6 1/4	10	7 1/2	20'-5"	
21'-5"	548	10	5 3/4	8 3/4	6	5 1/2	8	N/A			8	5 1/2	8	10	6 1/4	8 1/8	N/A			10	6 5/8	7 7/8	36	36	11	5 3/4	8 3/4	N/A			7	5 1/2	8	N/A			10	6 1/4	10	7 1/2	21'-5"	
22'-5"	648	9	5 3/4	8 3/4	N/A			N/A			6	5 1/2	8	8	6 1/4	8 1/8	N/A			7	6 5/8	7 7/8	36	36	9	5 3/4	8 3/4	N/A			5	5 1/2	8	N/A			8	6 1/4	10	7 1/2	22'-5"	
23'-5"	648	7	5 3/4	8 3/4	N/A			N/A			5	5 1/2	8	7	6 1/4	8 1/8	N/A			N/A			36	36	8	5 3/4	8 3/4	N/A			N/A			7	6 1/4	10	7 1/2	23'-5"				
24'-5"	648	6	5 3/4	8 3/4	N/A			N/A			N/A			5	6 1/4	8 1/8	N/A			N/A			36	36	25	N/A			N/A			N/A			5	6 1/4	10	7 1/2	24'-5"			
25'-5"	DC6	10	5 3/4	8 3/4	7	5 1/2	8	N/A			8	5 1/2	8	9	6 1/4	8 1/8	N/A			10	6 5/8	7 7/8	36	35	10	5 3/4	8 3/4	8	4 1/2	6	8	5 1/2	8	N/A			9	6 1/4	10	9 1/4	25'-5"	

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	11/26/2025	KAD	2398
A	REVISED WINDLOAD TABLES	08/12/2026	KAD	2398

CP0001/CP0651 - 0.0296_0.022 Minimum Thickness Galvanized or Stainless Steel - 80 PSF																																												
Guide Construction								Filled CMU																		Steel (Wall anchors are the same diameter as assembly fasteners)																		
D.B.G. Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Flat Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt T22 Carbon & Stainless Steel			Powers Power-Stud+SD1			Simpson Strong-Bolt 2			Hilti KH-EZ			Simpson Strong-Tie Titen			Hilti KH-EZ Stainless Steel			Simpson Strong-Tie Titen Stainless Steel			Through Bolting		Min. Edge Distance	Welded		Through Bolt			Tapped Bolt			Superimposed Loads				D.B.G. Up To
								Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.		Embed	Slot Max O.C.	Heel and Toe Max O.C.	Slot Size	Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Min Thickness	Vx (+)	Vy (+)	Vx (-)	
4'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	1/2	3 3/4	N/A		9	5/8	4 3/8	13	3/8	3 1/4	12	3/4	5 1/2	13	3/8	3 1/4	8	3/4	5 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	180	0	177	4'-5"	
5'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	9	5/8	4 1/2	N/A		8	3/4	5 1/4	10	3/8	3 1/4	N/A			10	3/8	3 1/4	N/A			8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	220	0	217	5'-5"	
6'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	15	3/4	5 1/2	N/A		N/A			9	3/8	3 1/4	N/A			12	1/2	4 1/4	N/A			8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	260	0	257	6'-5"	
7'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	13	3/4	5 1/2	N/A		N/A			13	1/2	4 1/4	N/A			11	1/2	4 1/4	N/A			8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	35	3/16	0	300	0	297	7'-5"	
8'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	11	3/4	5 1/2	N/A		N/A			11	1/2	4 1/4	N/A			9	1/2	4 1/4	N/A			8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	31	3/16	0	340	0	337	8'-5"	
11'-5"	1 1/8	0.281	CP0630	445	9	1/2	13	N/A			N/A		N/A			N/A			N/A			N/A			N/A			8	1/2	6 13/16	12	17	9/16" x 3/4"	15	10	6	N/A	1/4	1292	460	1226	460	11'-5"	
12'-5"	1 3/16	0.344	CP0630	446	8	5/8	17	N/A			N/A		N/A			N/A			N/A			N/A			N/A			8	5/8	6 7/8	11	17	11/16" x 7/8"	20	14	7	5	5/16	1629	500	1572	501	12'-5"	
13'-5"	1 1/4	0.406	CP0630 & CP0647	546	7	5/8	14	N/A			N/A		N/A			N/A			N/A			N/A			N/A			8	5/8	6 7/8	9	14	11/16" x 7/8"	16	11	6	N/A	5/16	1933	540	1882	541	13'-5"	
14'-5"	1 3/8	0.531	CP0630 & CP0647	546	7	5/8	13	N/A			N/A		N/A			N/A			N/A			N/A			N/A			8	5/8	6 7/8	9	14	11/16" x 7/8"	15	10	6	N/A	5/16	2007	580	1964	581	14'-5"	
15'-5"	1 7/16	0.594	CP0630 & CP0647	548	6	3/4	18	N/A			N/A		N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	14	15	7/8" x 1"	31	23	11	8	3/8	2295	621	2239	621	15'-5"	
16'-5"	1 1/2	0.656	CP0630 & CP0647	548	6	3/4	16	N/A			N/A		N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	12	14	7/8" x 1"	28	20	10	7	3/8	2543	662	2492	662	16'-5"	
17'-5"	1 5/8	0.781	CP0630 & CP0647	548	6	3/4	15	N/A			N/A		N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	12	13	7/8" x 1"	27	19	9	7	3/8	2629	701	2584	701	17'-5"	
18'-5"	1 3/4	0.906	CP0630 & CP0647	648	6	3/4	14	N/A			N/A		N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	11	13	7/8" x 1"	25	18	9	6	3/8	2729	740	2689	741	18'-5"	
19'-5"	1 7/8	1.031	CP0630 & CP0647	648	6	3/4	14	N/A			N/A		N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	11	12	7/8" x 1"	24	17	9	6	3/8	2835	780	2799	780	19'-5"	
20'-5"	2	1.156	CP0630 & CP0647	648	6	3/4	13	N/A			N/A		N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	11	12	7/8" x 1"	23	16	8	6	3/8	2945	819	2913	819	20'-5"	
21'-5"	2 1/4	1.406	CP0630 & CP0647	648	6	3/4	13	N/A			N/A		N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	11	12	7/8" x 1"	23	16	8	6	3/8	2890	857	2864	858	21'-5"	
22'-5"	2 3/8	1.531	CP0630 & CP0647	648	6	3/4	12	N/A			N/A		N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	10	12	7/8" x 1"	22	15	8	6	3/8	3013	896	2990	897	22'-5"	
23'-5"	2 1/2	1.656	CP0630 & CP0647	DC6	5	3/4	11	N/A			N/A		N/A			N/A			N/A			N/A			N/A			8	3/4	9 1/4	10	11	7/8" x 1"	21	14	8	5	3/8	3135	936	3114	937	23'-5"	

CP0001/CP0651 - 0.0296_0.022 Minimum Thickness Galvanized or Stainless Steel - 80 PSF - Continued																																										
Concrete Minimum 4,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																																										
D.B.G. Up To	Guide Assembly	Simpson Strong-Bolt 2			Hilti Kwik Bolt 1			Powers Power-Stud+ SD1			Hilti Kwik Bolt T22			Hilti KH-EZ			ITW Redhead Trubolt			Hilti HVU2			Through Bolting - Carbon Steel Max O.C.	Through Bolting - Stainless Steel Max O.C.	Simpson Strong-Bolt 2 Stainless Steel			Powers Power-Stud+ SD4 Stainless Steel			Hilti Kwik Bolt T22 Stainless Steel			Hilti KH-EZ Stainless Steel			Simpson Titen HD Stainless Steel			Min. Edge Distance	D.B.G. Up To	
		Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.			Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.			
4'-5"	344	N/A			19	2 3/8	4	18	2 3/8	3 3/4	19	2 1/2	4	24	2 1/2	4	16	2 1/4	4	27	3 1/2	4 3/4	36		28	N/A			16	1 7/8	3 1/4	18	2 1/2	4	26	2 1/2	4	26	2 1/2	4	5 3/4	4'-5"
5'-5"	344	N/A			17	2 3/8	4	16	2 3/8	3 3/4	17	2 1/2	4	22	2 1/2	4	13	2 1/4	4	22	3 1/2	4 3/4	30		23	N/A			15	1 7/8	3 1/4	17	2 1/2	4	23	2 1/2	4	23	2 1/2	4	5 3/4	5'-5"
6'-5"	344	N/A			15	2 3/8	4	14	2 3/8	3 3/4	15	2 1/2	4	20	2 1/2	4	11	2 1/4	4	19	3 1/2	4 3/4	25		20	N/A			13	1 7/8	3 1/4	15	2 1/2	4	21	2 1/2	4	22	2 1/2	4	5 3/4	6'-5"
7'-5"	344	N/A			14	2 3/8	4	12	2 3/8	3 3/4	14	2 1/2	4	19	2 1/2	4	9	2 1/4	4	16	3 1/2	4 3/4	22		17	N/A			12	1 7/8	3 1/4	14	2 1/2	4	20	2 1/2	4	20	2 1/2	4	5 3/4	7'-5"
8'-5"	344	N/A			12	2 3/8	4	11	2 3/8	3 3/4	13	2 1/2	4	17	2 1/2	4	8	2 1/4	4	14	3 1/2	4 3/4	19		15	N/A			12	1 7/8	3 1/4	14	2 1/2	4	5	2 1/2	4	19	2 1/2	4	5 3/4	8'-5"
11'-5"	445	10	3 7/8	6	7	3 5/8	6	8	3 3/4	6	6	3 3/4	5 1/2	9	4 1/4	6 3/4	8	4	6	10	4 1/4	5 1/2	32		22	9	3 7/8	6	N/A	9	3 3/4	5 1/2	8	4 1/4	6 3/4	7	4	6 1/4	6 13/16	11'-5"		
12'-5"	446	11	5 1/8	7 7/8	8	4 1/2	6	7	4 5/8	7	8	4 1/2	6	11	5	7	N/A			11	5	6 1/4	36		32	10	5 1/8	7 7/8	N/A	8	4 1/2	6	N/A			10	5 1/2	8 1/2	6 7/8	12'-5"		
13'-5"	546	9	5 1/8	7 7/8	5	4 1/2	6	5	4 5/8	7	5	4 1/2	6	8	5	7	N/A			6	5	6 1/4	36		25	8	5 1/8	7 7/8	N/A	5	4 1/2	6	N/A			8	5 1/2	8 1/2	6 7/8	13'-5"		
14'-5"	546	8	5 1/8	7 7/8	5	4 1/2	6		N/A			N/A		8	5	7	N/A			5	5	6 1/4	34		23	7	5 1/8	7 7/8	N/A	5	3 3/4	5 1/2	N/A			7	5 1/2	8 1/2	6 7/8	14'-5"		
15'-5"	548	10	5 3/4	8 3/4	6	5 1/2	8		N/A		8	5 1/2	8	10	6 1/4	8 1/8	N/A			10	6 5/8	7 7/8	36		36	11	5 3/4	8 3/4	N/A	7	5 1/2	8	N/A			10	6 1/4	10	7 1/2	15'-5"		
16'-5"	548	9	5 3/4	8 3/4		N/A			N/A		6	5 1/2	8	8	6 1/4	8 1/8	N/A			6	6 5/8	7 7/8	36		34	9	5 3/4	8 3/4	N/A	5	5 1/2	8	N/A			8	6 1/4	10	7 1/2	16'-5"		
17'-5"	548	8	5 3/4	8 3/4		N/A			N/A		6	5 1/2	8	8	6 1/4	8 1/8	N/A			5	6 5/8	7 7/8	36		32	9	5 3/4	8 3/4	N/A		N/A		N/A			7	6 1/4	10	7 1/2	17'-5"		
18'-5"	648	7	5 3/4	8 3/4		N/A		5	5 1/2	8	7	6 1/4	8 1/8	N/A		N/A				N/A		36		30	8	5 3/4	8 3/4	N/A		N/A		N/A			7	6 1/4	10	7 1/2	18'-5"			
19'-5"	648	6	5 3/4	8 3/4		N/A			N/A			N/A		6	6 1/4	8 1/8	N/A				N/A		36		28	7	5 3/4	8 3/4	N/A		N/A		N/A			6	6 1/4	10	7 1/2	19'-5"		
20'-5"	648	6	5 3/4	8 3/4		N/A			N/A			N/A		5	6 1/4	8 1/8	N/A				N/A		36		26		N/A		N/A		N/A			N/A			5	6 1/4	10	7 1/2	20'-5"	
21'-5"	648	6	5 3/4	8 3/4		N/A			N/A			N/A		5	6 1/4	8 1/8	N/A				N/A		36		26		N/A		N/A		N/A			N/A			5	6 1/4	10	7 1/2	21'-5"	
22'-5"	648	5	5 3/4	8 3/4		N/A			N/A			N/A			N/A		N/A				N/A		35		24		N/A		N/A		N/A			N/A				N/A		7 1/2	22'-5"	
23'-5"	DC6	10	5 3/4	8 3/4	7	5 1/2	8		N/A		8	5 1/2	8	9	6 1/4	8 1/8	N/A			10	6 5/8	7 7/8	36		35	10	5 3/4	8 3/4	8	4 1/2	6	8	5 1/2	8		9	6 1/4	10	9 1/4	23'-5"		

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	11/26/2025	KAD	2398
A	REVISED WINDLOAD TABLES	08/12/2026	KAD	2398

CP0001/CP0651 - 0.0296_0.022 Minimum Thickness Galvanized or Stainless Steel - 90 PSF																																												
Guide Construction								Filled CMU																Steel (Wall anchors are the same diameter as assembly fasteners)																				
D.B.G. Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Flat Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt TZ2 Carbon & Stainless Steel			Powers Power-Stud-SD1			Simpson Strong-Bolt 2			Hilti KH-EZ			Simpson Strong-Tie Titen			Hilti KH-EZ Stainless Steel			Simpson Strong-Tie Titen Stainless Steel			Through Bolting		Min. Edge Distance	Welded		Through Bolt			Tapped Bolt			Superimposed Loads				D.B.G. Up To
								Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.		Slot Max O.C.	Heel and Toe Max O.C.	Slot Size	Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Min Thickness	Vx (+)	Vy (+)	Vx (-)	Vy (-)	
4'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	9	5/8	4 1/2	N/A			8	5/8	4 3/8	11	3/8	3 1/4	N/A			11	3/8	3 1/4	N/A			8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	203	0	199	4'-5"
5'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	5/8	4 1/2	N/A			N/A			9	3/8	3 1/4	N/A			9	3/8	3 1/4	N/A			8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	248	0	244	5'-5"
6'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	13	3/4	5 1/2	N/A			N/A			8	3/8	3 1/4	N/A			11	1/2	4 1/4	N/A			8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	293	0	289	6'-5"
7'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	11	3/4	5 1/2	N/A			N/A			11	1/2	4 1/4	N/A			9	1/2	4 1/4	N/A			8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	31	3/16	0	338	0	334	7'-5"
8'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	10	3/4	5 1/2	N/A			N/A			9	1/2	4 1/4	N/A			8	3/8	5 3/4	N/A			8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	33	27	3/16	0	383	0	379	8'-5"
11'-5"	1 1/8	0.281	CP0630	446	8	5/8	17	N/A			N/A			N/A			N/A			N/A			N/A			N/A			8	5/8	6 7/8	11	16	11/16" x 7/8"	19	14	7	5	5/16	1670	518	1599	518	11'-5"
12'-5"	1 1/8	0.281	CP0630 & CP0647	548	6	3/4	18	N/A			N/A			N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	13	14	7/8" x 1"	30	21	10	7	3/8	2417	566	2320	566	12'-5"
13'-5"	1 3/16	0.344	CP0630 & CP0647	548	6	3/4	16	N/A			N/A			N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	12	13	7/8" x 1"	26	18	9	7	3/8	2673	612	2588	611	13'-5"
14'-5"	1 1/4	0.406	CP0630 & CP0647	548	6	3/4	15	N/A			N/A			N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	11	12	7/8" x 1"	23	16	8	6	3/8	2922	657	2846	657	14'-5"
15'-5"	1 5/16	0.469	CP0630 & CP0647	648	5	3/4	13	N/A			N/A			N/A			N/A			N/A			N/A			N/A			8	3/4	9 1/4	10	11	7/8" x 1"	21	14	8	5	3/8	3163	702	3094	702	15'-5"
16'-5"	1 3/8	0.531	CP0630 & CP0647	DC6	5	3/4	12	N/A			N/A			N/A			N/A			N/A			N/A			N/A			8	3/4	9 1/4	9	10	7/8" x 1"	19	12	7	5	3/8	3394	747	3330	748	16'-5"

CP0001/CP0651 - 0.0296_0.022 Minimum Thickness Galvanized or Stainless Steel - 90 PSF - Continued																																									
Concrete Minimum 4,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																																									
D.B.G. Up To	Guide Assembly	Simpson Strong-Bolt 2			Hilti Kwik Bolt 1			Powers Power-Stud+ SD1			Hilti Kwik Bolt TZ2			Hilti KH-EZ			ITW Redhead Trubolt			Hilti HVU2			Through Bolting - Carbon Steel Max O.C.	Through Bolting - Stainless Steel Max O.C.	Simpson Strong-Bolt 2 Stainless Steel			Powers Power-Stud+ SD4 Stainless Steel			Hilti Kwik Bolt TZ2 Stainless Steel			Hilti KH-EZ Stainless Steel			Simpson Titen HD Stainless Steel			Min. Edge Distance	D.B.G. Up To
		Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.			Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.		
4'-5"	344	N/A			17	2 3/8	4	17	2 3/8	3 3/4	18	2 1/2	4	23	2 1/2	4	14	2 1/4	4	24	3 1/2	4 3/4	33	25	N/A			15	1 7/8	3 1/4	17	2 1/2	4	24	2 1/2	4	25	2 1/2	4	5 3/4	4'-5"
5'-5"	344	N/A			16	2 3/8	4	15	2 3/8	3 3/4	16	2 1/2	4	21	2 1/2	4	11	2 1/4	4	20	3 1/2	4 3/4	27	21	N/A			14	1 7/8	3 1/4	16	2 1/2	4	22	2 1/2	4	22	2 1/2	4	5 3/4	5'-5"
6'-5"	344	N/A			14	2 3/8	4	13	2 3/8	3 3/4	15	2 1/2	4	19	2 1/2	4	9	2 1/4	4	17	3 1/2	4 3/4	22	17	N/A			13	1 7/8	3 1/4	14	2 1/2	4	20	2 1/2	4	20	2 1/2	4	5 3/4	6'-5"
7'-5"	344	N/A			12	2 3/8	4	11	2 3/8	3 3/4	14	2 1/2	4	18	2 1/2	4	8	2 1/4	4	14	3 1/2	4 3/4	19	15	N/A			N/A			13	2 1/2	4	5	2 1/2	4	19	2 1/2	4	5 3/4	7'-5"
8'-5"	344	N/A			11	2 3/8	4	5	2 3/8	4	13	2 1/2	4	16	2 1/2	4	5	2 1/4	4	13	3 1/2	4 3/4	17	13	N/A			N/A			12	2 1/2	4	5	2 1/2	4	18	3 1/4	5	5 3/4	8'-5"
11'-5"	446	10	5 1/8	7 7/8	7	4 1/2	6	7	4 5/8	7	7	4 1/2	6	10	5	7	N/A			10	5	6 1/4	36	32	9	5 1/8	7 7/8	N/A			7	4 1/2	6	N/A			9	5 1/2	8 1/2	6 7/8	11'-5"
12'-5"	548	9	5 3/4	8 3/4	5	N/A	8	N/A			7	5 1/2	8	9	6 1/4	8 1/8	N/A			8	6 5/8	7 7/8	36	36	10	5 3/4	8 3/4	N/A			6	5 1/2	8	N/A			9	6 1/4	10	7 1/2	12'-5"
13'-5"	548	8	5 3/4	8 3/4	N/A			N/A			5	5 1/2	8	7	6 1/4	8 1/8	N/A			N/A			36	33	8	5 3/4	8 3/4	N/A			N/A			7	6 1/4	10	7 1/2	13'-5"			
14'-5"	548	6	5 3/4	8 3/4	N/A			N/A			N/A			5	6 1/4	8 1/8	N/A			N/A			36	28	7	5 3/4	8 3/4	N/A			N/A			5	6 1/4	10	7 1/2	14'-5"			
15'-5"	648	10	5 3/4	8 3/4	8	5 1/2	8	N/A			9	5 1/2	8	9	6 1/4	8 1/8	N/A			10	6 5/8	7 7/8	36	36	10	5 3/4	8 3/4	8	4 1/2	6	8	5 1/2	8	N/A			9	6 1/4	10	9 1/4	15'-5"
16'-5"	DC6	9	5 3/4	8 3/4	6	5 1/2	8	N/A			7	5 1/2	8	7	6 1/4	8 1/8	N/A			8	6 5/8	7 7/8	36	34	9	5 3/4	8 3/4	7	4 1/2	6	7	5 1/2	8	N/A			8	6 1/4	10	9 1/4	16'-5"



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

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F: 800.526.0841
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Unless otherwise specified,
dimensions are in inches &
tolerances are:

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

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

DRAWN BY: KAD
SIZE: B
SCALE: AS NOTED
SHEET: 22/37

DWG NO: ES-16-138-CIW

REVIEWED FOR SPECIFIED DOOR COMPONENTS ONLY, EXISTING STRUCTURE NOT ANALYZED

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	11/26/2025	KAD	2398
A	REVISED WINDLOAD TABLES	08/12/2026	KAD	2398

CP0001/CP0651 - 0.0296_0.022 Minimum Thickness Galvanized or Stainless Steel - 100 PSF																																											
Guide Construction								Filled CMU														Steel (Wall anchors are the same diameter as assembly fasteners)																					
D.B.G. Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Flat Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt T22 Carbon & Stainless Steel			Powers Power-Stud+ SD1			Simpson Strong-Bolt 2			Hilti KH-EZ			Simpson Strong-Tie Titen			Hilti KH-EZ Stainless Steel			Simpson Strong-Tie Titen Stainless Steel			Through Bolting		Min. Edge Distance	Welded		Through Bolt		Tapped Bolt			Superimposed Loads				D.B.G. Up To
								Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Max O.C.	Dia.	Slot Max O.C.		Heel and Toe Max O.C.	Slot Size	Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Min Thickness	Vx (+)	Vy (+)	Vx (-)	Vy (-)	
4'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	5/8	4 1/2	N/A		8	3/4	5 1/4	10	3/8	3 1/4	N/A		10	3/8	3 1/4	N/A		8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	225	0	221	4'-5"		
5'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	14	3/4	5 1/2	N/A		N/A			8	3/8	3 1/4	N/A		12	1/2	4 1/4	N/A		8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	275	0	271	5'-5"		
6'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	12	3/4	5 1/2	N/A		N/A			12	1/2	4 1/4	N/A		9	1/2	4 1/4	N/A		8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	32	3/16	0	325	0	321	6'-5"		
7'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	10	3/4	5 1/2	N/A		N/A			9	1/2	4 1/4	N/A		8	1/2	4 1/4	N/A		8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	34	28	3/16	0	375	0	371	7'-5"		
12'-5"	1 1/2	0.656	CP0630 & CP0647	DC5	6	3/4	15	N/A			N/A		N/A			5	3/4	6 1/4	N/A		N/A			N/A		8	3/4	9 1/4	15	15	7/8" x 1"	15	11	15	11	3/8	1905	750	1825	749	12'-5"		

CP0001/CP0651 - 0.0296_0.022 Minimum Thickness Galvanized or Stainless Steel - 100 PSF - Continued																																									
Concrete Minimum 4,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																																									
D.B.G. Up To	Guide Assembly	Simpson Strong-Bolt 2			Hilti Kwik Bolt 1			Powers Power-Stud+ SD1			Hilti Kwik Bolt T22			Hilti KH-EZ			ITW Redhead Trubolt			Hilti HVU2			Through Bolting - Carbon Steel Max O.C.	Through Bolting - Stainless Steel Max O.C.	Simpson Strong-Bolt 2 Stainless Steel			Powers Power-Stud+ SD4 Stainless Steel			Hilti Kwik Bolt T22 Stainless Steel			Hilti KH-EZ Stainless Steel			Simpson Titen HD Stainless Steel			Min. Edge Distance	D.B.G. Up To
		Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.			Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.		
4'-5"	344	N/A			17	2 3/8	4	16	2 3/8	3 3/4	17	2 1/2	4	22	2 1/2	4	12	2 1/4	4	22	3 1/2	4 3/4	29	23	N/A			14	1 7/8	3 1/4	16	2 1/2	4	23	2 1/2	4	23	2 1/2	4	5 3/4	4'-5"
5'-5"	344	N/A			15	2 3/8	4	13	2 3/8	3 3/4	15	2 1/2	4	19	2 1/2	4	10	2 1/4	4	18	3 1/2	4 3/4	24	18	N/A			13	1 7/8	3 1/4	15	2 1/2	4	21	2 1/2	4	21	2 1/2	4	5 3/4	5'-5"
6'-5"	344	N/A			13	2 3/8	4	11	2 3/8	3 3/4	14	2 1/2	4	18	2 1/2	4	8	2 1/4	4	15	3 1/2	4 3/4	20	16	N/A			N/A	14	2 1/2	4	19	2 1/2	4	19	2 1/2	4	5 3/4	6'-5"		
7'-5"	344	N/A			11	2 3/8	4	5	2 3/8	4	13	2 1/2	4	17	2 1/2	4	5	2 1/4	4	13	3 1/2	4 3/4	17	13	N/A			N/A	13	2 1/2	4	5	2 1/2	4	18	3 1/4	5	5 3/4	7'-5"		
12'-5"	DC5	14	5 3/4	8 3/4	18	5 1/2	8	12	5 5/8	10	20	5 1/2	8	21	6 1/4	8 1/8	N/A			23	6 5/8	7 7/8	25	12	21	5 3/4	8 3/4	17	4 1/2	6	20	5 1/2	8	N/A			25	6 1/4	10	9 1/4	12'-5"

CP0001/CP0651 - 0.0296_0.022 Minimum Thickness Galvanized or Stainless Steel - 120 PSF																																													
Guide Construction								Filled CMU														Steel (Wall anchors are the same diameter as assembly fasteners)																							
D.B.G. Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Flat Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt T22 Carbon & Stainless Steel			Powers Power-Stud+ SD1			Simpson Strong-Bolt 2			Hilti KH-EZ			Simpson Strong-Tie Titen			Hilti KH-EZ Stainless Steel			Simpson Strong-Tie Titen Stainless Steel			Through Bolting		Min. Edge Distance	Welded		Through Bolt			Tapped Bolt				Superimposed Loads				D.B.G. Up To
								Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.		Slot Max O.C.	Heel and Toe Max O.C.	Slot Size	Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Min Thickness	Vx (+)	Vy (+)	Vx (-)	Vy (-)		
4'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	14	3/4	5 1/2	N/A			N/A			8	3/8	3 1/4	N/A			12	1/2	4 1/4	N/A			8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	270	0	265	4'-5"	
5'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	12	3/4	5 1/2	N/A			N/A			12	1/2	4 1/4	N/A			9	1/2	4 1/4	N/A			8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	32	3/16	0	330	0	325	5'-5"	
6'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	10	3/4	5 1/2	N/A			N/A			9	1/2	4 1/4	N/A			8	1/2	4 1/4	N/A			8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	32	27	3/16	0	390	0	385	6'-5"	
7'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	3/4	5 1/2	N/A			N/A			8	1/2	4 1/4	N/A			N/A			N/A			8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	28	23	3/16	0	450	0	445	7'-5"	
12'-5"	1 1/2	0.656	CP0630 & CP0647	DC5	6	3/4	15	N/A			N/A			N/A			5	3/4	6 1/4	N/A			N/A			N/A			8	3/4	9 1/4	15	15	7/8" x 1"	15	11	15	11	3/8	1905	750	1825	749	12'-5"	

CP0001/CP0651 - 0.0296_0.022 Minimum Thickness Galvanized or Stainless Steel - 120 PSF - Continued																																											
Concrete Minimum 4,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																																											
D.B.G. Up To	Guide Assembly	Simpson Strong-Bolt 2			Hilti Kwik Bolt 1			Powers Power-Stud+ SD1			Hilti Kwik Bolt T22			Hilti KH-EZ			ITW Redhead Trubolt			Hilti HVU2			Through Bolting - Carbon Steel Max O.C.		Through Bolting - Stainless Steel Max O.C.		Simpson Strong-Bolt 2 Stainless Steel			Powers Power-Stud+ SD4 Stainless Steel			Hilti Kwik Bolt T22 Stainless Steel			Hilti KH-EZ Stainless Steel			Simpson Titen HD Stainless Steel			Min. Edge Distance	D.B.G. Up To
		Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.						
4'-5"	344		N/A		15	2 3/8	4	14	2 3/8	3 3/4	15	2 1/2	4	20	2 1/2	4	10	2 1/4	4	18	3 1/2	4 3/4	24		19			N/A		13	1 7/8	3 1/4	15	2 1/2	4	21	2 1/2	4	21	2 1/2	4	5 3/4	4'-5"
5'-5"	344		N/A		12	2 3/8	4	11	2 3/8	3 3/4	14	2 1/2	4	18	2 1/2	4	8	2 1/4	4	15	3 1/2	4 3/4	20		15			N/A			N/A		13	2 1/2	4	5	2 1/2	4	19	2 1/2	4	5 3/4	5'-5"
6'-5"	344		N/A		10	2 3/8	4	5	2 3/8	4	13	2 1/2	4	16	2 1/2	4	5	2 1/4	4	12	3 1/2	4 3/4	17		13			N/A			N/A		12	2 1/2	4	5	2 1/2	4	18	3 1/4	5	5 3/4	6'-5"
7'-5"	344		N/A		5	2 3/8	4	5	2 3/8	4	5	2 1/2	4	5	2 1/2	4	5	2 1/4	4	11	3 1/2	4 3/4	14		11			N/A			N/A		5	2 1/2	4	5	2 1/2	4	6	3 1/4	5	5 3/4	7'-5"
12'-5"	DC5	14	5 3/4	8 3/4	18	5 1/2	8	12	5 5/8	10	20	5 1/2	8	21	6 1/4	8 1/8	N/A			23	6 5/8	7 7/8	25		12		21	5 3/4	8 3/4	17	4 1/2	6	20	5 1/2	8	N/A			25	6 1/4	10	9 1/4	12'-5"

L'TR	REVISION	DATE	BY	E.C.O.
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A	REVISED WINDLOAD TABLES	08/12/2026	KAD	2398

CP0001/CP0651 - 0.0405, 0.022 Minimum Thickness Galvanized or Stainless Steel - 20 PSF																																														
Guide Construction								Filled CMU																				Steel (Wall anchors are the same diameter as assembly fasteners)																		
D.B.G. Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Flat Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt TZ2 Carbon & Stainless Steel			Powers Power-Stud+ SD1			Simpson Strong-Bolt 2			Hilti KH-EZ			Simpson Strong-Tie Titen			Hilti KH-EZ Stainless Steel			Simpson Strong-Tie Titen Stainless Steel			Through Bolting		Min. Edge Distance	Welded		Through Bolt			Tapped Bolt			Superimposed Loads				D.B.G. Up To		
								Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.		Embed	Max O.C.	Dia.	Slot Max O.C.	Heel and Toe Max O.C.	Slot Size	Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Min Thickness	Vx (+)		Vy (+)	Vx (-)
4'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	16	3/8	1 7/8	18	3/8	2 3/8	18	3/8	2 5/8	13	3/8	1 5/8	20	3/8	2 3/4	14	3/8	2	18	3/8	2 3/4	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	45	0	44	4'-5"		
5'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	13	3/8	1 7/8	15	3/8	2 3/8	15	3/8	2 5/8	10	3/8	1 5/8	16	3/8	2 3/4	11	3/8	2	14	3/8	2 3/4	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	55	0	54	5'-5"		
6'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	11	3/8	1 7/8	13	3/8	2 3/8	12	3/8	2 5/8	9	3/8	1 5/8	14	3/8	2 3/4	9	3/8	2	12	3/8	2 3/4	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	65	0	64	6'-5"		
7'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	10	3/8	1 7/8	11	3/8	2 3/8	11	3/8	2 5/8	31	3/8	3 1/4	12	3/8	2 3/4	8	3/8	2	10	3/8	2 3/4	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	75	0	74	7'-5"		
8'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	3/8	1 7/8	10	3/8	2 3/8	9	3/8	2 5/8	28	3/8	3 1/4	15	1/2	3 1/2	27	3/8	3 1/4	15	1/2	3 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	85	0	84	8'-5"		
9'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	3/8	1 7/8	8	3/8	2 3/8	8	3/8	2 5/8	25	3/8	3 1/4	13	1/2	3 1/2	24	3/8	3 1/4	13	1/2	3 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	95	0	94	9'-5"		
10'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	13	3/8	3	8	3/8	2 3/8	9	1/2	3 1/2	22	3/8	3 1/4	12	1/2	3 1/2	22	3/8	3 1/4	12	1/2	3 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	105	0	104	10'-5"		
11'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	12	3/8	3	8	1/2	2 1/2	8	1/2	3 1/2	20	3/8	3 1/4	15	5/8	4 1/2	20	3/8	3 1/4	15	5/8	4 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	115	0	114	11'-5"		
12'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	11	3/8	3	8	1/2	2 1/2	8	1/2	3 1/2	19	3/8	3 1/4	14	5/8	4 1/2	18	3/8	3 1/4	14	5/8	4 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	125	0	124	12'-5"		
13'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	10	3/8	3	10	5/8	3 3/8	12	5/8	4 3/8	17	3/8	3 1/4	13	5/8	4 1/2	17	3/8	3 1/4	13	5/8	4 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	135	0	134	13'-5"		
14'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	9	3/8	3	9	5/8	3 3/8	11	5/8	4 3/8	16	3/8	3 1/4	12	5/8	4 1/2	16	3/8	3 1/4	12	5/8	4 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	145	0	144	14'-5"		
15'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	9	3/8	3	8	5/8	3 3/8	11	5/8	4 3/8	15	3/8	3 1/4	14	3/4	5 1/2	15	3/8	3 1/4	9	3/4	5 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	155	0	154	15'-5"		
16'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	3/8	3	8	5/8	3 3/8	10	5/8	4 3/8	14	3/8	3 1/4	13	3/4	5 1/2	14	3/8	3 1/4	8	3/4	5 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	165	0	164	16'-5"		
17'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	10	3/8	3	9	5/8	3 3/8	11	5/8	4 3/8	18	3/8	3 1/4	12	5/8	4 1/2	17	3/8	3 1/4	12	5/8	4 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	46	175	29	174	17'-5"		
18'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	12	3/8	3	9	3/8	2 3/8	9	3/8	2 5/8	23	3/8	3 1/4	14	1/2	3 1/2	23	3/8	3 1/4	13	1/2	3 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	34	16	13	3/16	208	185	193	184	18'-5"		
19'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	3/8	3	9	5/8	3 3/8	11	5/8	4 3/8	15	3/8	3 1/4	12	5/8	4 1/2	15	3/8	3 1/4	9	5/8	4 1/2	8	3/8	5 3/4	28	36	7/16" x 5/8"	26	20	9	8	3/16	359	195	345	194	19'-5"		
20'-5"	1 1/2	0.719	CP0629	344	12	3/8	16	8	1/2	3 3/4		N/A		8	5/8	4 3/8	10	3/8	3 1/4		N/A		10	3/8	3 1/4		N/A		8	3/8	5 3/4	20	36	7/16" x 5/8"	19	14	7	5	3/16	501	205	488	204	20'-5"		
21'-5"	1 1/2	0.719	CP0629	344	12	3/8	13	8	5/8	4 1/2		N/A		8	3/4	5 1/4	14	1/2	4 1/4		N/A		11	1/2	4 1/4		N/A		8	3/8	5 3/4	16	30	7/16" x 5/8"	14	10	5	N/A	3/16	637	215	625	215	21'-5"		
22'-5"	1 1/2	0.719	CP0629	344	11	3/8	11	12	3/4	5 1/2		N/A			N/A		9	1/2	4 1/4		N/A		9	1/2	4 1/4		N/A		8	3/8	5 3/4	13	25	7/16" x 5/8"	11	7	N/A	N/A	3/16	767	225	756	225	22'-5"		
23'-5"	2	1.219	CP0629	445	12	1/2	18	8	5/8	4 1/2		N/A		8	3/4	5 1/4	14	1/2	4 1/4		N/A		11	1/2	4 1/4		N/A		8	1/2	6 13/16	23	36	9/16" x 3/4"	32	25	11	8	1/4	680	244	673	244	23'-5"		
24'-5"	2	1.219	CP0629	445	12	1/2	18	8	5/8	4 1/2		N/A		8	3/4	5 1/4	14	1/2	4 1/4		N/A		11	1/2	4 1/4		N/A		8	1/2	6 13/16	23	36	9/16" x 3/4"	32	25	11	8	1/4	680	244	673	244	24'-5"		
25'-5"	2	1.219	CP0629	445	11	1/2	18	12	3/4	5 1/2		N/A			N/A		11	1/2	4 1/4		N/A		9	1/2	4 1/4		N/A		8	1/2	6 13/16	20	32	9/16" x 3/4"	28	22	10	7	1/4	780	254	773	254	25'-5"		
26'-5"	2	1.219	CP0629	445	11	1/2	18	11	3/4	5 1/2		N/A			N/A		9	1/2	4 1/4		N/A		9	1/2	4 1/4		N/A		8	1/2	6 13/16	18	28	9/16" x 3/4"	25	18	9	6	1/4	878	264	871	264	26'-5"		
27'-5"	2	1.156	CP0630	445	10	1/2	16	9	3/4	5 1/2		N/A			N/A		8	1/2	4 1/4		N/A			N/A			N/A		8	1/2	6 13/16	16	25	9/16" x 3/4"	21	15	7	5	1/4	1011	274	1004	274	27'-5"		
28'-5"	2	1.156	CP0630	445	9	1/2	15	8	3/4	5 1/2		N/A			N/A		9	3/4	6 1/4		N/A			N/A			N/A		8	1/2	6 13/16	14	23	9/16" x 3/4"	19	13	7	5	1/4	1108	284	1101	285	28'-5"		
29'-5"	2	1.156	CP0630	445	9	1/2	14		N/A			N/A			N/A		8	3/4	6 1/4		N/A			N/A			N/A		8	1/2	6 13/16	13	21	9/16" x 3/4"	17	12	6	N/A	1/4	1203	294	1197	295	29'-5"		
30'-5"	2	1.156	CP0630	445	9	1/2	13		N/A			N/A			N/A			N/A			N/A			N/A			N/A		8	1/2	6 13/16	12	19	9/16" x 3/4"	15	10	6	N/A	1/4	1299	304	1292	305	30'-5"		
31'-5"	2	1.156	CP0630	445	8	1/2	12		N/A			N/A			N/A			N/A			N/A			N/A			N/A		8	1/2	6 13/16	11	18	9/16" x 3/4"	14	9	5	N/A	1/4	1393	314	1387	315	31'-5"		
32'-5"	2	1.156	CP0630	445	8	1/2	11		N/A			N/A			N/A			N/A			N/A			N/A			N/A		8	1/2	6 13/16	10	17	9/16" x 3/4"	12	8	5	N/A	1/4	1488	324	1481	325	32'-5"		
33'-5"	2	1.156	CP0630	446	8	5/8	17		N/A			N/A			N/A			N/A			N/A			N/A			N/A		8	5/8																

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CP0001/CP0651 - 0.0405 0.022 Minimum Thickness Galvanized or Stainless Steel - 20 PSF - Continued																																														
Concrete Minimum 4,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																																														
D.B.G. Up To	Guide Assembly	Simpson Strong-Bolt 2			Hilti Kwik Bolt 1			Powers Power-Stud+ SD1			Hilti Kwik Bolt T22			Hilti KH-EZ			ITW Redhead Trubolt			Hilti HVU2			Through Bolting - Carbon Steel Max O.C.	Through Bolting - Stainless Steel Max O.C.	Simpson Strong-Bolt 2 Stainless Steel			Powers Power-Stud+ SD4 Stainless Steel			Hilti Kwik Bolt T22 Stainless Steel			Hilti KH-EZ Stainless Steel			Simpson Titen HD Stainless Steel			Min. Edge Distance	D.B.G. Up To					
		Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.			Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.							
4'-5"	344		N/A		36	2 3/8	4	36	2 3/8	3 3/4	36	2 1/2	4	36	2 1/2	4	36	2 1/4	4	36	3 1/2	4 3/4	36		36				33	1 7/8	3 1/4	36	2 1/2	4	36	2 1/2	4	36	2 1/2	4	5 3/4	4'-5"				
5'-5"	344		N/A		34	2 3/8	4	33	2 3/8	3 3/4	34	2 1/2	4	36	2 1/2	4	33	2 1/4	4	36	3 1/2	4 3/4	36		36				30	1 7/8	3 1/4	34	2 1/2	4	36	2 1/2	4	36	2 1/2	4	5 3/4	5'-5"				
6'-5"	344		N/A		31	2 3/8	4	30	2 3/8	3 3/4	31	2 1/2	4	36	2 1/2	4	30	2 1/4	4	36	3 1/2	4 3/4	36		36				27	1 7/8	3 1/4	31	2 1/2	4	36	2 1/2	4	36	2 1/2	4	5 3/4	6'-5"				
7'-5"	344		N/A		29	2 3/8	4	28	2 3/8	3 3/4	29	2 1/2	4	36	2 1/2	4	28	2 1/4	4	36	3 1/2	4 3/4	36		36				25	1 7/8	3 1/4	29	2 1/2	4	36	2 1/2	4	36	2 1/2	4	5 3/4	7'-5"				
8'-5"	344		N/A		27	2 3/8	4	26	2 3/8	3 3/4	27	2 1/2	4	36	2 1/2	4	26	2 1/4	4	36	3 1/2	4 3/4	36		36				24	1 7/8	3 1/4	27	2 1/2	4	36	2 1/2	4	36	2 1/2	4	5 3/4	8'-5"				
9'-5"	344		N/A		26	2 3/8	4	25	2 3/8	3 3/4	26	2 1/2	4	34	2 1/2	4	25	2 1/4	4	36	3 1/2	4 3/4	36		36				22	1 7/8	3 1/4	25	2 1/2	4	35	2 1/2	4	36	2 1/2	4	5 3/4	9'-5"				
10'-5"	344		N/A		24	2 3/8	4	24	2 3/8	3 3/4	25	2 1/2	4	32	2 1/2	4	24	2 1/4	4	36	3 1/2	4 3/4	36		36				21	1 7/8	3 1/4	24	2 1/2	4	34	2 1/2	4	34	2 1/2	4	5 3/4	10'-5"				
11'-5"	344		N/A		23	2 3/8	4	22	2 3/8	3 3/4	23	2 1/2	4	31	2 1/2	4	22	2 1/4	4	36	3 1/2	4 3/4	36		36				20	1 7/8	3 1/4	23	2 1/2	4	32	2 1/2	4	33	2 1/2	4	5 3/4	11'-5"				
12'-5"	344		N/A		22	2 3/8	4	22	2 3/8	3 3/4	23	2 1/2	4	29	2 1/2	4	22	2 1/4	4	36	3 1/2	4 3/4	36		36				19	1 7/8	3 1/4	22	2 1/2	4	31	2 1/2	4	31	2 1/2	4	5 3/4	12'-5"				
13'-5"	344		N/A		22	2 3/8	4	21	2 3/8	3 3/4	22	2 1/2	4	28	2 1/2	4	21	2 1/4	4	36	3 1/2	4 3/4	36		36				19	1 7/8	3 1/4	21	2 1/2	4	30	2 1/2	4	30	2 1/2	4	5 3/4	13'-5"				
14'-5"	344		N/A		21	2 3/8	4	20	2 3/8	3 3/4	21	2 1/2	4	27	2 1/2	4	20	2 1/4	4	34	3 1/2	4 3/4	36		35				18	1 7/8	3 1/4	20	2 1/2	4	28	2 1/2	4	29	2 1/2	4	5 3/4	14'-5"				
15'-5"	344		N/A		20	2 3/8	4	19	2 3/8	3 3/4	20	2 1/2	4	26	2 1/2	4	18	2 1/4	4	32	3 1/2	4 3/4	36		33				17	1 7/8	3 1/4	20	2 1/2	4	28	2 1/2	4	28	2 1/2	4	5 3/4	15'-5"				
16'-5"	344		N/A		19	2 3/8	4	19	2 3/8	3 3/4	20	2 1/2	4	25	2 1/2	4	17	2 1/4	4	30	3 1/2	4 3/4	36		31				17	1 7/8	3 1/4	19	2 1/2	4	27	2 1/2	4	27	2 1/2	4	5 3/4	16'-5"				
17'-5"	344		N/A		22	2 3/8	4	21	2 3/8	3 3/4	22	2 1/2	4	27	2 1/2	4	21	2 1/4	4	36	3 1/2	4 3/4	36		36				19	1 7/8	3 1/4	21	2 1/2	4	30	2 1/2	4	30	2 1/2	4	5 3/4	17'-5"				
18'-5"	344		N/A		22	2 3/8	4	22	2 3/8	3 3/4	24	2 1/2	4	29	2 1/2	4	22	2 1/4	4	36	3 1/2	4 3/4	36		36				17	1 7/8	3 1/4	23	2 1/2	4	32	2 1/2	4	32	2 1/2	4	5 3/4	18'-5"				
19'-5"	344		N/A		17	2 3/8	4	17	2 3/8	3 3/4	18	2 1/2	4	23	2 1/2	4	16	2 1/4	4	23	3 1/2	4 3/4	36		36				13	1 7/8	3 1/4	18	2 1/2	4	25	2 1/2	4	25	2 1/2	4	5 3/4	19'-5"				
20'-5"	344		N/A		13	2 3/8	4	14	2 3/8	3 3/4	15	2 1/2	4	19	2 1/2	4	12	2 1/4	4	17	3 1/2	4 3/4	36		30				8	1 7/8	3 1/4	15	2 1/2	4	21	2 1/2	4	21	2 1/2	4	5 3/4	20'-5"				
21'-5"	344		N/A		11	2 3/8	4	11	2 3/8	3 3/4	13	2 1/2	4	17	2 1/2	4	9	2 1/4	4	14	3 1/2	4 3/4	31		22					N/A		13	2 1/2	4	16	2 1/2	4	16	2 1/2	4	5 3/4	21'-5"				
22'-5"	344		N/A		8	2 3/8	4	5	2 3/8	4	11	2 1/2	4	5	2 1/2	4	5	2 1/4	4	12	3 1/2	4 3/4	25		16					N/A			N/A		11	2 1/2	4	5	2 1/2	4	17	3 1/4	5	5 3/4	22'-5"	
23'-5"	445	21	3 7/8	6	18	3 5/8	6	17	3 3/4	6	20	3 3/4	5 1/2	24	4 1/4	6 3/4	19	4	6	25	4 1/4	5 1/2	36		36		21	3 7/8	6	13	2 1/2	4	20	3 3/4	5 1/2	22	4 1/4	6 3/4	26	4	6 1/4	6 13/16	23'-5"			
24'-5"	445	21	3 7/8	6	18	3 5/8	6	17	3 3/4	6	20	3 3/4	5 1/2	24	4 1/4	6 3/4	19	4	6	25	4 1/4	5 1/2	36		36		21	3 7/8	6	13	2 1/2	4	20	3 3/4	5 1/2	22	4 1/4	6 3/4	26	4	6 1/4	6 13/16	24'-5"			
25'-5"	445	19	3 7/8	6	17	3 5/8	6	16	3 3/4	6	18	3 3/4	5 1/2	22	4 1/4	6 3/4	17	4	6	22	4 1/4	5 1/2	36		36		18	3 7/8	6	10	2 1/2	4	19	3 3/4	5 1/2	20	4 1/4	6 3/4	24	4	6 1/4	6 13/16	25'-5"			
26'-5"	445	18	3 7/8	6	15	3 5/8	6	15	3 3/4	6	17	3 3/4	5 1/2	21	4 1/4	6 3/4	15	4	6	20	4 1/4	5 1/2	36		36		16	3 7/8	6		N/A		18	3 3/4	5 1/2	17	4 1/4	6 3/4	23	4	6 1/4	6 13/16	26'-5"			
27'-5"	445	16	3 7/8	6	11	3 5/8	6	13	3 3/4	6	15	3 3/4	5 1/2	19	4 1/4	6 3/4	13	4	6	17	4 1/4	5 1/2	36		30		14	3 7/8	6		N/A		16	3 3/4	5 1/2	13	4 1/4	6 3/4	21	4	6 1/4	6 13/16	27'-5"			
28'-5"	445	15	3 7/8	6	9	3 5/8	6	11	3 3/4	6	9	3 3/4	5 1/2	18	4 1/4	6 3/4	12	4	6	16	4 1/4	5 1/2	36		27		13	3 7/8	6		N/A		15	3 3/4	5 1/2	11	4 1/4	6 3/4	7	4	6 1/4	6 13/16	28'-5"			
29'-5"	445	13	3 7/8	6	9	3 5/8	6	9	3 3/4	6	9	3 3/4	5 1/2	17	4 1/4	6 3/4	10	4	6	15	4 1/4	5 1/2	35		24		12	3 7/8	6		N/A		13	3 3/4	5 1/2	10	4 1/4	6 3/4	7	4	6 1/4	6 13/16	29'-5"			
30'-5"	445	12	3 7/8	6	9	3 5/8	6	9	3 3/4	6	8	3 3/4	5 1/2	16	4 1/4	6 3/4	10	4	6	13	4 1/4	5 1/2	31		21		10	3 7/8	6		N/A		9	3 3/4	5 1/2	9	4 1/4	6 3/4	7	4	6 1/4	6 13/16	30'-5"			
31'-5"	445	10	3 7/8	6	8	3 5/8	6	9	3 3/4	6	7	3 3/4	5 1/2	15	4 1/4	6 3/4	9	4	6	12	4 1/4	5 1/2	28		19		10	3 7/8	6		N/A		9	3 3/4	5 1/2	9	4 1/4	6 3/4	7	4	6 1/4	6 13/16	31'-5"			
32'-5"	445	10	3 7/8	6	7	3 5/8	6	8	3 3/4	6	6	3 3/4	5 1/2	9	4 1/4	6 3/4	8	4	6	10	4 1/4	5 1/2	26		17		9	3 7/8	6		N/A		9	3 3/4	5 1/2	8	4 1/4	6 3/4	7	4	6 1/4	6 13/16	32'-5"			
33'-5"	446	17	5 1/8	7 7/8	10	4 1/2	6	9	4 5/8	7	10	4 1/2	6	17	5	7		N/A		16	5	6 1/4	36		33		15	5 1/8	7 7/8		N/A		9	4 1/2	6		N/A		10	5 1/2	8 1/2	6 7/8	33'-5"			
34'-5"	446	15	5 1/8	7 7/8	9	4 1/2	6	8	4 5/8	7	9	4 1/2	6	11	5	7		N/A		12	5	6 1/4	36		31		11	5 1/8	7 7/8		N/A		8	4 1/2	6		N/A		10	5 1/2	8 1/2	6 7/8	34'-5"			
35'-5"	446	11	5 1/8	7 7/8	8	4 1/2	6	7	4 5/8	7	8	4 1/2	6	11	5	7		N/A		11	5	6 1/4	36		28		10	5 1/8	7																	

L'TR	REVISION	DATE	BY	E.C.O.
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A	REVISED WINDLOAD TABLES	08/12/2026	KAD	2398

CP0001/CP0651 - 0.0405_0.022 Minimum Thickness Galvanized or Stainless Steel - 30 PSF																																												
Guide Construction								Filled CMU															Steel (Wall anchors are the same diameter as assembly fasteners)																					
D.B.G. Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Flat Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt TZ2 Carbon & Stainless Steel			Powers Power-Stud+ SD1			Simpson Strong-Bolt 2			Hilti KH-EZ			Simpson Strong-Tie Titen			Hilti KH-EZ Stainless Steel			Simpson Strong-Tie Titen Stainless Steel			Through Bolting		Min. Edge Distance	Welded		Through Bolt			Tapped Bolt			Superimposed Loads				D.B.G. Up To
								Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Max O.C.	Heel and Toe Max O.C.	Slot Size		Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Min Thickness	Vx (+)	Vy (+)	Vx (-)	Vy (-)				
4'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	11	3/8	1 7/8	12	3/8	2 3/8	12	3/8	2 5/8	8	3/8	1 5/8	13	3/8	2 3/4	9	3/8	2	12	3/8	2 3/4	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	68	0	66	4'-5"
5'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	9	3/8	1 7/8	10	3/8	2 3/8	10	3/8	2 5/8	29	3/8	3 1/4	16	1/2	3 1/2	28	3/8	3 1/4	15	1/2	3 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	83	0	81	5'-5"
6'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	14	3/8	3	8	3/8	2 3/8	8	3/8	2 5/8	24	3/8	3 1/4	13	1/2	3 1/2	24	3/8	3 1/4	13	1/2	3 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	98	0	96	6'-5"
7'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	12	3/8	3	9	1/2	2 1/2	9	1/2	3 1/2	21	3/8	3 1/4	15	5/8	4 1/2	20	3/8	3 1/4	15	5/8	4 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	113	0	111	7'-5"
8'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	11	3/8	3	10	5/8	3 3/8	13	5/8	4 3/8	18	3/8	3 1/4	13	5/8	4 1/2	18	3/8	3 1/4	13	5/8	4 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	128	0	126	8'-5"
9'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	9	3/8	3	9	5/8	3 3/8	11	5/8	4 3/8	16	3/8	3 1/4	12	5/8	4 1/2	16	3/8	3 1/4	12	5/8	4 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	143	0	141	9'-5"
10'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	3/8	3	8	5/8	3 3/8	10	5/8	4 3/8	15	3/8	3 1/4	14	3/4	5 1/2	14	3/8	3 1/4	9	3/4	5 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	158	0	156	10'-5"
11'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	3/8	3		N/A		9	5/8	4 3/8	13	3/8	3 1/4	13	3/4	5 1/2	13	3/8	3 1/4	8	3/4	5 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	173	0	171	11'-5"
12'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	1/2	3 3/4		N/A		9	5/8	4 3/8	12	3/8	3 1/4	12	3/4	5 1/2	12	3/8	3 1/4		N/A		8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	188	0	186	12'-5"
13'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	9	5/8	4 1/2		N/A		8	5/8	4 3/8	11	3/8	3 1/4		N/A		11	3/8	3 1/4		N/A		8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	203	0	201	13'-5"
14'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	9	5/8	4 1/2		N/A		9	3/4	5 1/4	10	3/8	3 1/4		N/A		10	3/8	3 1/4		N/A		8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	218	0	216	14'-5"
15'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	1/2	3 3/4		N/A		8	5/8	4 3/8	12	3/8	3 1/4		N/A		12	3/8	3 1/4		N/A		8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	38	232	13	231	15'-5"
16'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	9	3/8	3	8	1/2	2 1/2	8	1/2	3 1/2	18	3/8	3 1/4	15	5/8	4 1/2	18	3/8	3 1/4	12	5/8	4 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	34	26	12	10	3/16	268	247	246	246	16'-5"
17'-5"	1 1/2	0.719	CP0629	344	12	3/8	15	10	5/8	4 1/2		N/A		8	5/8	4 3/8	10	3/8	3 1/4		N/A		10	3/8	3 1/4		N/A		8	3/8	5 3/4	20	36	7/16" x 5/8"	19	14	7	6	3/16	480	262	461	262	17'-5"
18'-5"	1 1/2	0.719	CP0629	344	12	3/8	12	12	3/4	5 1/2		N/A			N/A		12	1/2	4 1/4		N/A		9	1/2	4 1/4		N/A		8	3/8	5 3/4	15	27	7/16" x 5/8"	13	9	5	N/A	3/16	680	277	661	277	18'-5"
19'-5"	2	1.219	CP0629	445	12	1/2	18	15	3/4	5 1/2		N/A		8	3/4	5 1/4	13	1/2	4 1/4		N/A		11	1/2	4 1/4		N/A		8	1/2	6 13/16	24	36	9/16" x 3/4"	33	26	12	8	1/4	662	306	652	306	19'-5"
20'-5"	2	1.219	CP0629	445	12	1/2	18	15	3/4	5 1/2		N/A		8	3/4	5 1/4	13	1/2	4 1/4		N/A		11	1/2	4 1/4		N/A		8	1/2	6 13/16	24	36	9/16" x 3/4"	33	26	12	8	1/4	662	306	652	306	20'-5"
21'-5"	2	1.219	CP0629	445	11	1/2	18	11	3/4	5 1/2		N/A			N/A		9	1/2	4 1/4		N/A		9	1/2	4 1/4		N/A		8	1/2	6 13/16	20	31	9/16" x 3/4"	27	21	9	7	1/4	810	321	800	321	21'-5"
22'-5"	2	1.156	CP0630	445	10	1/2	15	9	3/4	5 1/2		N/A			N/A		8	1/2	4 1/4		N/A			N/A				8	1/2	6 13/16	16	25	9/16" x 3/4"	22	16	8	5	1/4	994	336	984	336	22'-5"	
23'-5"	2	1.156	CP0630	445	9	1/2	14	8	3/4	5 1/2		N/A			N/A		9	3/4	6 1/4		N/A			N/A				8	1/2	6 13/16	14	22	9/16" x 3/4"	18	13	7	5	1/4	1136	351	1126	352	23'-5"	
24'-5"	2	1.156	CP0630	445	9	1/2	12		N/A			N/A			N/A			N/A			N/A			N/A				8	1/2	6 13/16	12	19	9/16" x 3/4"	16	11	6	N/A	1/4	1275	366	1266	367	24'-5"	
25'-5"	2	1.156	CP0630	445	8	1/2	11		N/A			N/A			N/A			N/A			N/A			N/A				8	1/2	6 13/16	11	18	9/16" x 3/4"	13	9	5	N/A	1/4	1412	381	1403	382	25'-5"	
26'-5"	2	1.156	CP0630	446	8	5/8	17		N/A			N/A			N/A			N/A			N/A			N/A				8	5/8	6 7/8	12	19	11/16" x 7/8"	21	15	7	5	5/16	1548	396	1538	397	26'-5"	
27'-5"	2	1.156	CP0630	446	8	5/8	16		N/A			N/A			N/A			N/A			N/A			N/A				8	5/8	6 7/8	11	17	11/16" x 7/8"	19	14	7	5	5/16	1682	411	1673	412	27'-5"	
28'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	15		N/A			N/A			N/A			N/A			N/A			N/A				8	5/8	6 7/8	10	16	11/16" x 7/8"	17	12	6	N/A	5/16	1816	426	1807	427	28'-5"	
29'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	14		N/A			N/A			N/A			N/A			N/A			N/A				8	5/8	6 7/8	9	15	11/16" x 7/8"	16	11	6	N/A	5/16	1950	442	1940	443	29'-5"	
30'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	13		N/A			N/A			N/A			N/A			N/A			N/A				8	5/8	6 7/8	9	14	11/16" x 7/8"	14	10	5	N/A	5/16	2083	457	2074	458	30'-5"	
31'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18		N/A			N/A			N/A			N/A			N/A			N/A				8	3/4	7 1/2	18	20	7/8" x 1"	36	31	14	10	3/8	1806	471	1796	471	31'-5"	
32'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18		N/A			N/A			N/A			N/A			N/A			N/A				8	3/4	7 1/2	17	19	7/8" x 1"	36	29	13	9	3/8	1920	486	1911	486	32'-5"	
33'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18		N/A			N/A			N/A			N/A			N/A			N/A				8	3/4	7 1/2	16	18	7/8" x 1"	36	27	12	9	3/8	2034	501	2025	501	33'-5"	
34'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18		N/A			N/A			N/A			N/A			N/A			N/A				8	3/4	7 1/2	15	17	7/8" x 1"	34	25	12	8	3/8	2149	516	2140	516	34'-5"	
35'-5"	2 1/2	1.656	CP0630 & CP0647	548	6	3/4	17		N/A			N/A			N/A			N/A																										

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CP0001/CP0651 - 0.0405 0.022 Minimum Thickness Galvanized or Stainless Steel - 30 PSF - Continued																																										
Concrete Minimum 4,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																																										
D.B.G. Up To	Guide Assembly	Simpson Strong-Bolt 2			Hilti Kwik Bolt 1			Powers Power-Stud+ SD1			Hilti Kwik Bolt TZ2			Hilti KH-EZ			ITW Redhead Trubolt			Hilti HVU2			Through Bolting - Carbon Steel Max O.C.	Through Bolting - Stainless Steel Max O.C.	Simpson Strong-Bolt 2 Stainless Steel			Powers Power-Stud+ SD4 Stainless Steel			Hilti Kwik Bolt TZ2 Stainless Steel			Hilti KH-EZ Stainless Steel			Simpson Titen HD Stainless Steel			Min. Edge Distance	D.B.G. Up To	
		Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.			Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.			
4'-5"	344		N/A		31	2 3/8	4	29	2 3/8	3 3/4	31	2 1/2	4	36	2 1/2	4	30	2 1/4	4	36	3 1/2	4 3/4	36	36		N/A		27	1 7/8	3 1/4	30	2 1/2	4	36	2 1/2	4	36	2 1/2	4	5 3/4	4'-5"	
5'-5"	344		N/A		28	2 3/8	4	27	2 3/8	3 3/4	28	2 1/2	4	36	2 1/2	4	27	2 1/4	4	36	3 1/2	4 3/4	36	36		N/A		24	1 7/8	3 1/4	27	2 1/2	4	36	2 1/2	4	36	2 1/2	4	5 3/4	5'-5"	
6'-5"	344		N/A		25	2 3/8	4	24	2 3/8	3 3/4	26	2 1/2	4	33	2 1/2	4	24	2 1/4	4	36	3 1/2	4 3/4	36	36		N/A		22	1 7/8	3 1/4	25	2 1/2	4	35	2 1/2	4	36	2 1/2	4	5 3/4	6'-5"	
7'-5"	344		N/A		24	2 3/8	4	23	2 3/8	3 3/4	24	2 1/2	4	31	2 1/2	4	23	2 1/4	4	36	3 1/2	4 3/4	36	36		N/A		21	1 7/8	3 1/4	23	2 1/2	4	32	2 1/2	4	33	2 1/2	4	5 3/4	7'-5"	
8'-5"	344		N/A		22	2 3/8	4	21	2 3/8	3 3/4	22	2 1/2	4	29	2 1/2	4	21	2 1/4	4	36	3 1/2	4 3/4	36	36		N/A		19	1 7/8	3 1/4	22	2 1/2	4	30	2 1/2	4	31	2 1/2	4	5 3/4	8'-5"	
9'-5"	344		N/A		21	2 3/8	4	20	2 3/8	3 3/4	21	2 1/2	4	27	2 1/2	4	20	2 1/4	4	35	3 1/2	4 3/4	36	36		N/A		18	1 7/8	3 1/4	21	2 1/2	4	29	2 1/2	4	29	2 1/2	4	5 3/4	9'-5"	
10'-5"	344		N/A		20	2 3/8	4	19	2 3/8	3 3/4	20	2 1/2	4	26	2 1/2	4	18	2 1/4	4	31	3 1/2	4 3/4	36	33		N/A		17	1 7/8	3 1/4	20	2 1/2	4	27	2 1/2	4	28	2 1/2	4	5 3/4	10'-5"	
11'-5"	344		N/A		19	2 3/8	4	18	2 3/8	3 3/4	19	2 1/2	4	25	2 1/2	4	16	2 1/4	4	29	3 1/2	4 3/4	36	30		N/A		16	1 7/8	3 1/4	19	2 1/2	4	26	2 1/2	4	27	2 1/2	4	5 3/4	11'-5"	
12'-5"	344		N/A		18	2 3/8	4	17	2 3/8	3 3/4	18	2 1/2	4	24	2 1/2	4	15	2 1/4	4	26	3 1/2	4 3/4	35	27		N/A		16	1 7/8	3 1/4	18	2 1/2	4	25	2 1/2	4	25	2 1/2	4	5 3/4	12'-5"	
13'-5"	344		N/A		17	2 3/8	4	17	2 3/8	3 3/4	18	2 1/2	4	23	2 1/2	4	14	2 1/4	4	24	3 1/2	4 3/4	33	25		N/A		15	1 7/8	3 1/4	17	2 1/2	4	24	2 1/2	4	24	2 1/2	4	5 3/4	13'-5"	
14'-5"	344		N/A		17	2 3/8	4	16	2 3/8	3 3/4	17	2 1/2	4	22	2 1/2	4	13	2 1/4	4	23	3 1/2	4 3/4	30	23		N/A		15	1 7/8	3 1/4	17	2 1/2	4	23	2 1/2	4	24	2 1/2	4	5 3/4	14'-5"	
15'-5"	344		N/A		18	2 3/8	4	17	2 3/8	3 3/4	18	2 1/2	4	23	2 1/2	4	15	2 1/4	4	26	3 1/2	4 3/4	32	25		N/A		16	1 7/8	3 1/4	18	2 1/2	4	25	2 1/2	4	25	2 1/2	4	5 3/4	15'-5"	
16'-5"	344		N/A		19	2 3/8	4	19	2 3/8	3 3/4	20	2 1/2	4	25	2 1/2	4	18	2 1/4	4	27	3 1/2	4 3/4	36	36		N/A		14	1 7/8	3 1/4	20	2 1/2	4	27	2 1/2	4	27	2 1/2	4	5 3/4	16'-5"	
17'-5"	344		N/A		13	2 3/8	4	14	2 3/8	3 3/4	15	2 1/2	4	19	2 1/2	4	12	2 1/4	4	17	3 1/2	4 3/4	36	30		N/A		8	1 7/8	3 1/4	15	2 1/2	4	21	2 1/2	4	20	2 1/2	4	5 3/4	17'-5"	
18'-5"	344		N/A		10	2 3/8	4	10	2 3/8	3 3/4	13	2 1/2	4	15	2 1/2	4	8	2 1/4	4	13	3 1/2	4 3/4	28	19		N/A			N/A		12	2 1/2	4	5	2 1/2	4	18	3 1/4	5	5 3/4	18'-5"	
19'-5"	445	20	3 7/8	6	18	3 5/8	6	17	3 3/4	6	20	3 3/4	5 1/2	23	4 1/4	6 3/4	18	4	6	25	4 1/4	5 1/2	36	36	20	3 7/8	6	12	2 1/2	4	20	3 3/4	5 1/2	22	4 1/4	6 3/4	26	4	6 1/4	6 13/16	19'-5"	
20'-5"	445	20	3 7/8	6	18	3 5/8	6	17	3 3/4	6	20	3 3/4	5 1/2	23	4 1/4	6 3/4	18	4	6	25	4 1/4	5 1/2	36	36	20	3 7/8	6	12	2 1/2	4	20	3 3/4	5 1/2	22	4 1/4	6 3/4	26	4	6 1/4	6 13/16	20'-5"	
21'-5"	445	18	3 7/8	6	16	3 5/8	6	15	3 3/4	6	18	3 3/4	5 1/2	21	4 1/4	6 3/4	15	4	6	21	4 1/4	5 1/2	36	36	17	3 7/8	6		N/A		18	3 3/4	5 1/2	19	4 1/4	6 3/4	23	4	6 1/4	6 13/16	21'-5"	
22'-5"	445	16	3 7/8	6	11	3 5/8	6	13	3 3/4	6	9	3 3/4	5 1/2	19	4 1/4	6 3/4	13	4	6	17	4 1/4	5 1/2	36	30	14	3 7/8	6		N/A		16	3 3/4	5 1/2	13	4 1/4	6 3/4	21	4	6 1/4	6 13/16	22'-5"	
23'-5"	445	14	3 7/8	6	9	3 5/8	6	10	3 3/4	6	9	3 3/4	5 1/2	17	4 1/4	6 3/4	11	4	6	15	4 1/4	5 1/2	36	25	12	3 7/8	6		N/A		13	3 3/4	5 1/2	10	4 1/4	6 3/4	7	4	6 1/4	6 13/16	23'-5"	
24'-5"	445	10	3 7/8	6	9	3 5/8	6	9	3 3/4	6	8	3 3/4	5 1/2	16	4 1/4	6 3/4	10	4	6	13	4 1/4	5 1/2	31	21	10	3 7/8	6		N/A		9	3 3/4	5 1/2	9	4 1/4	6 3/4	7	4	6 1/4	6 13/16	24'-5"	
25'-5"	445	10	3 7/8	6	7	3 5/8	6	8	3 3/4	6	7	3 3/4	5 1/2	9	4 1/4	6 3/4	9	4	6	11	4 1/4	5 1/2	27	18	9	3 7/8	6		N/A		9	3 3/4	5 1/2	9	4 1/4	6 3/4	7	4	6 1/4	6 13/16	25'-5"	
26'-5"	446	17	5 1/8	7 7/8	10	4 1/2	6	9	4 5/8	7	10	4 1/2	6	17	5	7		N/A		16	5	6 1/4	36	33	15	5 1/8	7 7/8		N/A		9	4 1/2	6		N/A		10	5 1/2	8 1/2	6 7/8	26'-5"	
27'-5"	446	11	5 1/8	7 7/8	8	4 1/2	6	8	4 5/8	7	8	4 1/2	6	11	5	7		N/A		12	5	6 1/4	36	30	11	5 1/8	7 7/8		N/A		8	4 1/2	6		N/A		10	5 1/2	8 1/2	6 7/8	27'-5"	
28'-5"	546	10	5 1/8	7 7/8	7	4 1/2	6	7	4 5/8	7	7	4 1/2	6	10	5	7		N/A		10	5	6 1/4	36	27	9	5 1/8	7 7/8		N/A		7	4 1/2	6		N/A		9	5 1/2	8 1/2	6 7/8	28'-5"	
29'-5"	546	9	5 1/8	7 7/8	6	4 1/2	6	5	4 5/8	7	6	4 1/2	6	9	5	7		N/A		8	5	6 1/4	35	24	8	5 1/8	7 7/8		N/A		6	4 1/2	6		N/A		8	5 1/2	8 1/2	6 7/8	29'-5"	
30'-5"	546	8	5 1/8	7 7/8	5	4 1/2	6		N/A			N/A		8	5	7		N/A		5	5	6 1/4	32	22	7	5 1/8	7 7/8		N/A		5	3 3/4	5 1/2		N/A		7	5 1/2	8 1/2	6 7/8	30'-5"	
31'-5"	548	17	5 3/4	8 3/4	11	5 1/2	8	7	5 5/8	10	19	5 1/2	8	19	6 1/4	8 1/8		N/A		20	6 5/8	7 7/8	36	36	19	5 3/4	8 3/4		N/A		11	5 1/2	8		N/A		26	6 1/4	10	7 1/2	31'-5"	
32'-5"	548	16	5 3/4	8 3/4	10	5 1/2	8		N/A		11	5 1/2	8	18	6 1/4	8 1/8		N/A		14	6 5/8	7 7/8	36	36	18	5 3/4	8 3/4		N/A		10	5 1/2	8		N/A		25	6 1/4	10	7 1/2	32'-5"	
33'-5"	548	12	5 3/4	8 3/4	9	5 1/2	8		N/A		10	5 1/2	8	17	6 1/4	8 1/8		N/A		13	6 5/8	7 7/8	36	36	16	5 3/4	8 3/4		N/A		9	5 1/2	8		N/A		24	6 1/4	10	7 1/2	33'-5"	
34'-5"	548	11	5 3/4	8 3/4	8	5 1/2	8		N/A		9	5 1/2	8	11	6 1/4	8 1/8		N/A		13	6 5/8	7 7/8	36	36	12	5 3/4	8 3/4		N/A		9	5 1/2	8		N/A		11	6 1/4	10	7 1/2	34'-5"	
35'-5"	548	11	5 3/4	8 3/4	7	5 1/2	8		N/A		9	5 1/2	8	10	6 1/4	8 1/8		N/A		11	6 5/8	7 7/8	36	36	11	5 3/4	8 3/4		N/A		8	5 1/2	8		N/A		10	6 1/4	10	7 1/2	35'-5"	
36'-5"	548	10	5 3/4	8 3/4	6	5 1/2	8																																			

L'TR	REVISION	DATE	BY	E.C.O.
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A	REVISED WINDLOAD TABLES	08/12/2026	KAD	2398

CP0001/CP0651 - 0.0405_0.022 Minimum Thickness Galvanized or Stainless Steel - 40 PSF																																												
Guide Construction								Filled CMU																		Steel (Wall anchors are the same diameter as assembly fasteners)																		
D.B.G. Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Flat Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt TZ2 Carbon & Stainless Steel			Powers Power-Stud+ SD1			Simpson Strong-Bolt 2			Hilti KH-EZ			Simpson Strong-Tie Titen			Hilti KH-EZ Stainless Steel			Simpson Strong-Tie Titen Stainless Steel			Through Bolting		Min. Edge Distance	Welded		Through Bolt			Tapped Bolt			Superimposed Loads				D.B.G. Up To
								Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Slot Max O.C.	Heel and Toe Max O.C.	Slot Size		Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Min Thickness	Vx (+)	Vy (+)	Vx (-)	Vy (-)				
4'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	3/8	1 7/8	9	3/8	2 3/8	9	3/8	2 5/8	26	3/8	3 1/4	14	1/2	3 1/2	26	3/8	3 1/4	14	1/2	3 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	90	0	88	4'-5"
5'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	12	3/8	3	9	1/2	2 1/2	9	1/2	3 1/2	21	3/8	3 1/4	12	1/2	3 1/2	21	3/8	3 1/4	11	1/2	3 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	110	0	108	5'-5"
6'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	10	3/8	3	10	5/8	3 3/8	13	5/8	4 3/8	18	3/8	3 1/4	13	5/8	4 1/2	18	3/8	3 1/4	13	5/8	4 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	130	0	128	6'-5"
7'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	9	3/8	3	9	5/8	3 3/8	11	5/8	4 3/8	15	3/8	3 1/4	15	3/4	5 1/2	15	3/8	3 1/4	9	3/4	5 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	150	0	148	7'-5"
8'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	3/8	3		N/A		10	5/8	4 3/8	14	3/8	3 1/4	13	3/4	5 1/2	13	3/8	3 1/4	8	3/4	5 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	170	0	168	8'-5"
9'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	1/2	3 3/4		N/A		8	5/8	4 3/8	12	3/8	3 1/4		N/A		12	3/8	3 1/4		N/A		8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	190	0	188	9'-5"
10'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	9	5/8	4 1/2		N/A		8	5/8	4 3/8	11	3/8	3 1/4		N/A		11	3/8	3 1/4		N/A		8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	210	0	208	10'-5"
11'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	5/8	4 1/2		N/A		8	3/4	5 1/4	10	3/8	3 1/4		N/A		10	3/8	3 1/4		N/A		8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	230	0	228	11'-5"
12'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	15	3/4	5 1/2		N/A			N/A		9	3/8	3 1/4		N/A		9	3/8	3 1/4		N/A		8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	250	0	248	12'-5"
13'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	14	3/4	5 1/2		N/A			N/A		8	3/8	3 1/4		N/A		12	1/2	4 1/4		N/A		8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	270	0	268	13'-5"
14'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	10	5/8	4 1/2		N/A		8	3/4	5 1/4	12	3/8	3 1/4		N/A		12	3/8	3 1/4		N/A		8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	25	3/16	112	290	82	288	14'-5"
15'-5"	1 1/2	0.719	CP0629	344	12	3/8	16	8	1/2	3 3/4	8	5/8	3 3/8	9	5/8	4 3/8	11	3/8	3 1/4	13	3/4	5 1/2	11	3/8	3 1/4		N/A		8	3/8	5 3/4	24	36	7/16" x 5/8"	23	18	8	7	3/16	400	310	373	309	15'-5"
16'-5"	1 1/2	0.719	CP0629	344	12	3/8	11	12	3/4	5 1/2		N/A			N/A		11	1/2	4 1/4		N/A		9	1/2	4 1/4		N/A		8	3/8	5 3/4	15	27	7/16" x 5/8"	13	9	5	N/A	3/16	665	330	641	329	16'-5"
17'-5"	2	1.219	CP0629	445	12	1/2	18	9	5/8	4 1/2		N/A		8	5/8	4 3/8	17	1/2	4 1/4	12	3/4	5 1/2	14	1/2	4 1/4		N/A		8	1/2	6 13/16	32	36	9/16" x 3/4"	36	34	15	11	1/4	503	348	489	348	17'-5"
18'-5"	2	1.219	CP0629	445	12	1/2	18	12	3/4	5 1/2		N/A			N/A		12	1/2	4 1/4		N/A		9	1/2	4 1/4		N/A		8	1/2	6 13/16	23	35	9/16" x 3/4"	31	24	11	8	1/4	705	368	692	368	18'-5"
19'-5"	2	1.156	CP0630	445	10	1/2	15	9	3/4	5 1/2		N/A			N/A		9	1/2	4 1/4		N/A			N/A		N/A		8	1/2	6 13/16	17	26	9/16" x 3/4"	23	17	8	6	1/4	941	388	928	388	19'-5"	
20'-5"	2	1.156	CP0630	445	9	1/2	13	8	3/4	5 1/2		N/A			N/A		8	3/4	6 1/4		N/A			N/A		N/A		8	1/2	6 13/16	14	22	9/16" x 3/4"	18	13	7	5	1/4	1130	408	1117	409	20'-5"	
21'-5"	2	1.156	CP0630	445	9	1/2	12		N/A			N/A			N/A			N/A		N/A			N/A		N/A		N/A		8	1/2	6 13/16	12	19	9/16" x 3/4"	15	10	6	N/A	1/4	1313	428	1300	429	21'-5"
22'-5"	2	1.156	CP0630	446	8	5/8	17		N/A			N/A			N/A			N/A		N/A			N/A		N/A		8	5/8	6 7/8	12	19	11/16" x 7/8"	22	16	8	5	5/16	1491	448	1479	449	22'-5"		
23'-5"	2	1.156	CP0630	546	8	5/8	15		N/A			N/A			N/A			N/A		N/A			N/A		N/A		8	5/8	6 7/8	11	17	11/16" x 7/8"	20	14	7	5	5/16	1667	468	1655	469	23'-5"		
24'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	14		N/A			N/A			N/A			N/A		N/A			N/A		N/A		8	5/8	6 7/8	10	16	11/16" x 7/8"	17	12	6	N/A	5/16	1840	488	1828	489	24'-5"		
25'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	13		N/A			N/A			N/A			N/A		N/A			N/A		N/A		8	5/8	6 7/8	9	14	11/16" x 7/8"	15	10	5	N/A	5/16	2012	508	2000	510	25'-5"		
26'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18		N/A			N/A			N/A			N/A		N/A			N/A		N/A		8	3/4	7 1/2	18	21	7/8" x 1"	36	32	14	10	3/8	1760	527	1748	528	26'-5"		
27'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18		N/A			N/A			N/A			N/A		N/A			N/A		N/A		8	3/4	7 1/2	17	19	7/8" x 1"	36	29	13	9	3/8	1907	547	1895	548	27'-5"		
28'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18		N/A			N/A			N/A			N/A		N/A			N/A		N/A		8	3/4	7 1/2	15	18	7/8" x 1"	35	26	12	9	3/8	2053	568	2041	568	28'-5"		
29'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	17		N/A			N/A			N/A			N/A		N/A			N/A		N/A		8	3/4	7 1/2	14	16	7/8" x 1"	33	24	11	8	3/8	2199	588	2187	588	29'-5"		
30'-5"	2 1/2	1.656	CP0630 & CP0647	548	6	3/4	16		N/A			N/A			N/A			N/A		N/A			N/A		N/A		8	3/4	7 1/2	13	15	7/8" x 1"	31	22	10	7	3/8	2345	608	2333	608	30'-5"		
31'-5"	2 1/2	1.656	CP0630 & CP0647	548	6	3/4	15		N/A			N/A			N/A			N/A		N/A			N/A		N/A		8	3/4	7 1/2	13	14	7/8" x 1"	29	20	10	7	3/8	2491	628	2480	629	31'-5"		
32'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	14		N/A			N/A			N/A			N/A		N/A			N/A		N/A		8	3/4	7 1/2	12	14	7/8" x 1"	27	19	9	7	3/8	2638	648	2627	649	32'-5"		
33'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	13		N/A			N/A			N/A			N/A		N/A			N/A		N/A		8	3/4	7 1/2	11	13	7/8" x 1"	25	17	9	6	3/8	2786	669	2775	669	33'-5"		
34'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	13		N/A			N/A			N/A			N/A		N/A			N/A		N/A		8	3/4	7 1/2	11	12	7/8" x 1"	23	16	8	6	3/8	2935	689	2923	689	34'-5"		
35'-5"	2 1/2	1.656	CP0630 & CP0647	648	5	3/4	12		N/A			N/A			N/A			N/A		N/A			N/A		N/A		8	3/4	7 1/2	10	12	7/8" x 1"	21	15	8	6	3/8	3084	709	3073	710	35'-5"		
36'-5"	2 1/2	1.656	CP0630 & CP0647	DC6	5	3/4	12		N/A			N/A			N/A			N/A		N/A			N/A		N/A		8	3/4	9 1/4	10	11	7/8" x 1"	20	13	8	5	3/8	3235	730	3223	730			

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A	REVISED WINDLOAD TABLES	08/12/2026	KAD	2398

CP0001/CP0651 - 0.0405_0.022 Minimum Thickness Galvanized or Stainless Steel - 40 PSF - Continued																																										
Concrete Minimum 4,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																																										
D.B.G. Up To	Guide Assembly	Simpson Strong-Bolt 2			Hilti Kwik Bolt 1			Powers Power-Stud+ SD1			Hilti Kwik Bolt TZ2			Hilti KH-EZ			ITW Redhead Trubolt			Hilti HVU2			Through Bolting - Carbon Steel Max O.C.	Through Bolting - Stainless Steel Max O.C.	Simpson Strong-Bolt 2 Stainless Steel			Powers Power-Stud+ SD4 Stainless Steel			Hilti Kwik Bolt TZ2 Stainless Steel			Hilti KH-EZ Stainless Steel			Simpson Titen HD Stainless Steel			Min. Edge Distance	D.B.G. Up To	
		Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.			Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.			
4'-5"	344		N/A		26	2 3/8	4	25	2 3/8	3 3/4	27	2 1/2	4	35	2 1/2	4	25	2 1/4	4	36	3 1/2	4 3/4	36		36		N/A	23	1 7/8	3 1/4	26	2 1/2	4	36	2 1/2	4	36	2 1/2	4	5 3/4	4'-5"	
5'-5"	344		N/A		24	2 3/8	4	23	2 3/8	3 3/4	24	2 1/2	4	31	2 1/2	4	23	2 1/4	4	36	3 1/2	4 3/4	36		36		N/A	21	1 7/8	3 1/4	24	2 1/2	4	33	2 1/2	4	33	2 1/2	4	5 3/4	5'-5"	
6'-5"	344		N/A		22	2 3/8	4	21	2 3/8	3 3/4	22	2 1/2	4	29	2 1/2	4	21	2 1/4	4	36	3 1/2	4 3/4	36		36		N/A	19	1 7/8	3 1/4	22	2 1/2	4	30	2 1/2	4	31	2 1/2	4	5 3/4	6'-5"	
7'-5"	344		N/A		20	2 3/8	4	20	2 3/8	3 3/4	21	2 1/2	4	27	2 1/2	4	19	2 1/4	4	33	3 1/2	4 3/4	36		34		N/A	18	1 7/8	3 1/4	20	2 1/2	4	28	2 1/2	4	29	2 1/2	4	5 3/4	7'-5"	
8'-5"	344		N/A		19	2 3/8	4	18	2 3/8	3 3/4	19	2 1/2	4	25	2 1/2	4	17	2 1/4	4	29	3 1/2	4 3/4	36		30		N/A	17	1 7/8	3 1/4	19	2 1/2	4	26	2 1/2	4	27	2 1/2	4	5 3/4	8'-5"	
9'-5"	344		N/A		18	2 3/8	4	17	2 3/8	3 3/4	18	2 1/2	4	24	2 1/2	4	15	2 1/4	4	26	3 1/2	4 3/4	35		27		N/A	16	1 7/8	3 1/4	18	2 1/2	4	25	2 1/2	4	25	2 1/2	4	5 3/4	9'-5"	
10'-5"	344		N/A		17	2 3/8	4	17	2 3/8	3 3/4	17	2 1/2	4	22	2 1/2	4	13	2 1/4	4	23	3 1/2	4 3/4	31		24		N/A	15	1 7/8	3 1/4	17	2 1/2	4	24	2 1/2	4	24	2 1/2	4	5 3/4	10'-5"	
11'-5"	344		N/A		16	2 3/8	4	16	2 3/8	3 3/4	16	2 1/2	4	21	2 1/2	4	12	2 1/4	4	21	3 1/2	4 3/4	29		22		N/A	14	1 7/8	3 1/4	16	2 1/2	4	23	2 1/2	4	23	2 1/2	4	5 3/4	11'-5"	
12'-5"	344		N/A		16	2 3/8	4	15	2 3/8	3 3/4	16	2 1/2	4	21	2 1/2	4	11	2 1/4	4	20	3 1/2	4 3/4	26		20		N/A	14	1 7/8	3 1/4	15	2 1/2	4	22	2 1/2	4	22	2 1/2	4	5 3/4	12'-5"	
13'-5"	344		N/A		15	2 3/8	4	14	2 3/8	3 3/4	15	2 1/2	4	20	2 1/2	4	10	2 1/4	4	18	3 1/2	4 3/4	24		19		N/A	13	1 7/8	3 1/4	15	2 1/2	4	21	2 1/2	4	21	2 1/2	4	5 3/4	13'-5"	
14'-5"	344		N/A		17	2 3/8	4	17	2 3/8	3 3/4	18	2 1/2	4	22	2 1/2	4	15	2 1/4	4	24	3 1/2	4 3/4	31		24		N/A	14	1 7/8	3 1/4	18	2 1/2	4	25	2 1/2	4	25	2 1/2	4	5 3/4	14'-5"	
15'-5"	344		N/A		15	2 3/8	4	15	2 3/8	3 3/4	16	2 1/2	4	20	2 1/2	4	13	2 1/4	4	19	3 1/2	4 3/4	36		35		N/A	10	1 7/8	3 1/4	16	2 1/2	4	22	2 1/2	4	22	2 1/2	4	5 3/4	15'-5"	
16'-5"	344		N/A		9	2 3/8	4	5	2 3/8	4	12	2 1/2	4	15	2 1/2	4	5	2 1/4	4	12	3 1/2	4 3/4	28		19		N/A		N/A		12	2 1/2	4	5	2 1/2	4	18	3 1/4	5	5 3/4	16'-5"	
17'-5"	445	23	3 7/8	6	20	3 5/8	6	19	3 3/4	6	22	3 3/4	5 1/2	26	4 1/4	6 3/4	21	4	6	30	4 1/4	5 1/2	36		36	23	3 7/8	6	16	2 1/2	4	22	3 3/4	5 1/2	25	4 1/4	6 3/4	29	4	6 1/4	6 13/16	17'-5"
18'-5"	445	19	3 7/8	6	17	3 5/8	6	16	3 3/4	6	19	3 3/4	5 1/2	22	4 1/4	6 3/4	17	4	6	22	4 1/4	5 1/2	36		36	18	3 7/8	6	10	2 1/2	4	19	3 3/4	5 1/2	20	4 1/4	6 3/4	25	4	6 1/4	6 13/16	18'-5"
19'-5"	445	16	3 7/8	6	11	3 5/8	6	13	3 3/4	6	15	3 3/4	5 1/2	19	4 1/4	6 3/4	13	4	6	17	4 1/4	5 1/2	36		31	14	3 7/8	6		N/A	16	3 3/4	5 1/2	14	4 1/4	6 3/4	21	4	6 1/4	6 13/16	19'-5"	
20'-5"	445	13	3 7/8	6	9	3 5/8	6	9	3 3/4	6	9	3 3/4	5 1/2	17	4 1/4	6 3/4	10	4	6	15	4 1/4	5 1/2	35		25	12	3 7/8	6		N/A	13	3 3/4	5 1/2	10	4 1/4	6 3/4	7	4	6 1/4	6 13/16	20'-5"	
21'-5"	445	10	3 7/8	6	8	3 5/8	6	9	3 3/4	6	7	3 3/4	5 1/2	15	4 1/4	6 3/4	9	4	6	13	4 1/4	5 1/2	29		20	10	3 7/8	6		N/A	9	3 3/4	5 1/2	9	4 1/4	6 3/4	7	4	6 1/4	6 13/16	21'-5"	
22'-5"	446	17	5 1/8	7 7/8	10	4 1/2	6	10	4 5/8	7	10	4 1/2	6	17	5	7		N/A		16	5	6 1/4	36		34	16	5 1/8	7 7/8		N/A	10	4 1/2	6		N/A	18	5 1/2	8 1/2	6 7/8	22'-5"		
23'-5"	546	11	5 1/8	7 7/8	8	4 1/2	6	8	4 5/8	7	8	4 1/2	6	11	5	7		N/A		12	5	6 1/4	36		30	10	5 1/8	7 7/8		N/A	8	4 1/2	6		N/A	10	5 1/2	8 1/2	6 7/8	23'-5"		
24'-5"	546	10	5 1/8	7 7/8	7	4 1/2	6	6	4 5/8	7	7	4 1/2	6	10	5	7		N/A		9	5	6 1/4	36		26	9	5 1/8	7 7/8		N/A	6	4 1/2	6		N/A	9	5 1/2	8 1/2	6 7/8	24'-5"		
25'-5"	546	9	5 1/8	7 7/8	5	4 1/2	6	5	4 5/8	7	5	4 1/2	6	8	5	7		N/A		6	5	6 1/4	33		23	7	5 1/8	7 7/8		N/A	5	4 1/2	6		N/A	7	5 1/2	8 1/2	6 7/8	25'-5"		
26'-5"	548	17	5 3/4	8 3/4	11	5 1/2	8	7	5 5/8	10	19	5 1/2	8	19	6 1/4	8 1/8		N/A		20	6 5/8	7 7/8	36		36	19	5 3/4	8 3/4		N/A	11	5 1/2	8		N/A	26	6 1/4	10	7 1/2	26'-5"		
27'-5"	548	13	5 3/4	8 3/4	9	5 1/2	8		N/A		11	5 1/2	8	18	6 1/4	8 1/8		N/A		14	6 5/8	7 7/8	36		36	17	5 3/4	8 3/4		N/A	10	5 1/2	8		N/A	25	6 1/4	10	7 1/2	27'-5"		
28'-5"	548	12	5 3/4	8 3/4	8	5 1/2	8		N/A		10	5 1/2	8	17	6 1/4	8 1/8		N/A		13	6 5/8	7 7/8	36		36	12	5 3/4	8 3/4		N/A	9	5 1/2	8		N/A	11	6 1/4	10	7 1/2	28'-5"		
29'-5"	548	11	5 3/4	8 3/4	7	5 1/2	8		N/A		9	5 1/2	8	11	6 1/4	8 1/8		N/A		12	6 5/8	7 7/8	36		36	11	5 3/4	8 3/4		N/A	8	5 1/2	8		N/A	10	6 1/4	10	7 1/2	29'-5"		
30'-5"	548	10	5 3/4	8 3/4	6	5 1/2	8		N/A		8	5 1/2	8	10	6 1/4	8 1/8		N/A		10	6 5/8	7 7/8	36		36	10	5 3/4	8 3/4		N/A	7	5 1/2	8		N/A	9	6 1/4	10	7 1/2	30'-5"		
31'-5"	548	9	5 3/4	8 3/4	5	5 1/2	8		N/A		7	5 1/2	8	9	6 1/4	8 1/8		N/A		7	6 5/8	7 7/8	36		33	9	5 3/4	8 3/4		N/A	6	5 1/2	8		N/A	8	6 1/4	10	7 1/2	31'-5"		
32'-5"	648	8	5 3/4	8 3/4					N/A		6	5 1/2	8	8	6 1/4	8 1/8		N/A		5	6 5/8	7 7/8	36		30	8	5 3/4	8 3/4		N/A				N/A			7	6 1/4	10	7 1/2	32'-5"	
33'-5"	648	7	5 3/4	8 3/4					N/A					7	6 1/4	8 1/8		N/A					36		28	8	5 3/4	8 3/4		N/A				N/A			6	6 1/4	10	7 1/2	33'-5"	
34'-5"	648	6	5 3/4	8 3/4					N/A					6	6 1/4	8 1/8		N/A					36		26	7	5 3/4	8 3/4		N/A				N/A			5	6 1/4	10	7 1/2	34'-5"	
35'-5"	648	5	5 3/4	8 3/4					N/A									N/A					35		24		N/A				N/A				N/A					7 1/2	35'-5"	
36'-5"	DC6	10	5 3/4	8 3/4	7	5 1/2	8		N/A		8	5 1/2	8	8	6 1/4	8 1/8		N/A		10	6 5/8	7 7/8	36		34	10	5 3/4	8 3/4	8	4 1/2	6	8	5 1/2	8		N/A	8	6 1/4	10	9 1/4	36'-5"	



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

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A	REVISED WINDLOAD TABLES	08/12/2026	KAD	2398

CP0001/CP0651 - 0.0405_0.022 Minimum Thickness Galvanized or Stainless Steel - 50 PSF																																												
Guide Construction								Filled CMU																Steel (Wall anchors are the same diameter as assembly fasteners)																				
D.B.G. Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Flat Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt T22 Carbon & Stainless Steel			Powers Power-Stud+ SD1			Simpson Strong-Bolt 2			Hilti KH-EZ			Simpson Strong-Tie Titen			Hilti KH-EZ Stainless Steel			Simpson Strong-Tie Titen Stainless Steel			Through Bolting		Min. Edge Distance	Welded		Through Bolt			Tapped Bolt			Superimposed Loads				D.B.G. Up To
								Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Slot Max O.C.	Heel and Toe Max O.C.	Slot Size		Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Min Thickness	Vx (+)	Vy (+)	Vx (-)	Vy (-)				
4'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	12	3/8	3	9	1/2	2 1/2	9	1/2	3 1/2	21	3/8	3 1/4	15	5/8	4 1/2	20	3/8	3 1/4	15	5/8	4 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	113	0	110	4'-5"
5'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	10	3/8	3	9	5/8	3 3/8	12	5/8	4 3/8	17	3/8	3 1/4	12	5/8	4 1/2	17	3/8	3 1/4	12	5/8	4 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	138	0	135	5'-5"
6'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	3/8	3	8	5/8	3 3/8	10	5/8	4 3/8	14	3/8	3 1/4	13	3/4	5 1/2	14	3/8	3 1/4	9	3/4	5 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	163	0	160	6'-5"
7'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	1/2	3 3/4	N/A			9	5/8	4 3/8	12	3/8	3 1/4	12	3/4	5 1/2	12	3/8	3 1/4	N/A			8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	188	0	185	7'-5"
8'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	9	5/8	4 1/2	N/A			8	5/8	4 3/8	11	3/8	3 1/4	N/A			11	3/8	3 1/4	N/A			8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	213	0	210	8'-5"
9'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	5/8	4 1/2	N/A			8	3/4	5 1/4	10	3/8	3 1/4	N/A			9	3/8	3 1/4	N/A			8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	238	0	235	9'-5"
10'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	15	3/4	5 1/2	N/A			N/A			9	3/8	3 1/4	N/A			12	1/2	4 1/4	N/A			8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	263	0	260	10'-5"
11'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	13	3/4	5 1/2	N/A			N/A			8	3/8	3 1/4	N/A			11	1/2	4 1/4	N/A			8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	288	0	285	11'-5"
12'-5"	1 1/4	0.469	CP0629	344	12	3/8	18	12	3/4	5 1/2	N/A			N/A			12	1/2	4 1/4	N/A			10	1/2	4 1/4	N/A			8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	35	3/16	11	312	0	310	12'-5"
13'-5"	1 3/8	0.594	CP0629	344	12	3/8	18	8	3/8	3	N/A			8	5/8	4 3/8	15	3/8	3 1/4	N/A			15	3/8	3 1/4	N/A			8	3/8	5 3/4	36	36	7/16" x 5/8"	36	28	13	11	3/16	238	337	198	336	13'-5"
14'-5"	1 1/2	0.719	CP0629	344	12	3/8	14	9	5/8	4 1/2	N/A			8	5/8	4 3/8	10	3/8	3 1/4	N/A			9	3/8	3 1/4	N/A			8	3/8	5 3/4	22	36	7/16" x 5/8"	20	16	7	6	3/16	440	362	407	361	14'-5"
15'-5"	1 3/4	0.969	CP0629	445	11	1/2	18	11	3/4	5 1/2	N/A			N/A			9	1/2	4 1/4	N/A			9	1/2	4 1/4	N/A			8	1/2	6 13/16	20	31	9/16" x 3/4"	28	22	10	7	1/4	780	410	760	411	15'-5"
16'-5"	1 3/4	0.969	CP0629	445	11	1/2	18	11	3/4	5 1/2	N/A			N/A			9	1/2	4 1/4	N/A			9	1/2	4 1/4	N/A			8	1/2	6 13/16	20	31	9/16" x 3/4"	28	22	10	7	1/4	780	410	760	411	16'-5"
17'-5"	2	1.219	CP0629	445	11	1/2	16	10	3/4	5 1/2	N/A			N/A			9	1/2	4 1/4	N/A			8	1/2	4 1/4	N/A			8	1/2	6 13/16	19	29	9/16" x 3/4"	26	20	9	6	1/4	835	435	819	435	17'-5"
18'-5"	2	1.156	CP0630	445	9	1/2	13		N/A		N/A			N/A			8	3/4	6 1/4	N/A			N/A			N/A			8	1/2	6 13/16	14	22	9/16" x 3/4"	19	13	7	5	1/4	1116	460	1101	461	18'-5"
19'-5"	2	1.156	CP0630	445	9	1/2	11		N/A		N/A			N/A			N/A			N/A			N/A			N/A			8	1/2	6 13/16	12	18	9/16" x 3/4"	14	10	5	N/A	1/4	1343	485	1327	486	19'-5"
20'-5"	2	1.156	CP0630	446	8	5/8	16		N/A		N/A			N/A			N/A			N/A			N/A			N/A			8	5/8	6 7/8	12	18	11/16" x 7/8"	21	15	7	5	5/16	1563	510	1547	511	20'-5"
21'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	14		N/A		N/A			N/A			N/A			N/A			N/A			N/A			8	5/8	6 7/8	10	16	11/16" x 7/8"	18	12	6	N/A	5/16	1777	535	1762	536	21'-5"
22'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	13		N/A		N/A			N/A			N/A			N/A			N/A			N/A			8	5/8	6 7/8	9	14	11/16" x 7/8"	15	10	6	N/A	5/16	1989	560	1974	561	22'-5"
23'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18		N/A		N/A			N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	18	20	7/8" x 1"	36	31	14	10	3/8	1756	584	1741	584	23'-5"
24'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18		N/A		N/A			N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	16	19	7/8" x 1"	36	28	13	9	3/8	1935	609	1920	610	24'-5"
25'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	17		N/A		N/A			N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	15	17	7/8" x 1"	34	25	12	8	3/8	2113	634	2098	635	25'-5"
26'-5"	2 1/2	1.656	CP0630 & CP0647	548	6	3/4	16		N/A		N/A			N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	14	16	7/8" x 1"	31	23	11	8	3/8	2289	659	2275	660	26'-5"
27'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	15		N/A		N/A			N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	13	15	7/8" x 1"	29	20	10	7	3/8	2466	685	2452	685	27'-5"
28'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	14		N/A		N/A			N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	12	14	7/8" x 1"	26	18	9	7	3/8	2643	710	2629	710	28'-5"
29'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	13		N/A		N/A			N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	11	13	7/8" x 1"	24	17	9	6	3/8	2820	735	2806	736	29'-5"
30'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	12		N/A		N/A			N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	10	12	7/8" x 1"	22	15	8	6	3/8	2998	760	2984	761	30'-5"
31'-5"	2 1/2	1.656	CP0630 & CP0647	DC6	5	3/4	12		N/A		N/A			N/A			N/A			N/A			N/A			N/A			8	3/4	9 1/4	10	11	7/8" x 1"	20	14	8	5	3/8	3177	786	3163	786	31'-5"
32'-5"	2 1/2	1.656	CP0630 & CP0647	DC6	5	3/4	11		N/A		N/A			N/A			N/A			N/A			N/A			N/A			8	3/4	9 1/4	9	11	7/8" x 1"	19	13	7	5	3/8	3357	811	3343	812	32'-5"

CP0001/CP0651 - 0.0405_0.022 Minimum Thickness Galvanized or Stainless Steel - 50 PSF - Continued																																									
Concrete Minimum 4,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																																									
D.B.G. Up To	Guide Assembly	Simpson Strong-Bolt 2			Hilti Kwik Bolt 1			Powers Power-Stud+ SD1			Hilti Kwik Bolt T22			Hilti KH-EZ			ITW Redhead Trubolt			Hilti HVU2			Through Bolting - Carbon Steel Max O.C.	Through Bolting - Stainless Steel Max O.C.	Simpson Strong-Bolt 2 Stainless Steel			Powers Power-Stud+ SD4 Stainless Steel			Hilti Kwik Bolt T22 Stainless Steel			Hilti KH-EZ Stainless Steel			Simpson Titen HD Stainless Steel			Min. Edge Distance	D.B.G. Up To
		Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.			Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.		
4'-5"	344		N/A		24	2 3/8	4	23	2 3/8	3 3/4	24	2 1/2	4	31	2 1/2	4	23	2 1/4	4	36	3 1/2	4 3/4	36	36		N/A		20	1 7/8	3 1/4	23	2 1/2	4	32	2 1/2	4	33	2 1/2	4	5 3/4	4'-5"
5'-5"	344		N/A		21	2 3/8	4	21	2 3/8	3 3/4	21	2 1/2	4	28	2 1/2	4	21	2 1/4	4	36	3 1/2	4 3/4	36	36		N/A		18	1 7/8	3 1/4	21	2 1/2	4	29	2 1/2	4	30	2 1/2	4	5 3/4	5'-5"
6'-5"	344		N/A		20	2 3/8	4	19	2 3/8	3 3/4	20	2 1/2	4	26	2 1/2	4	17	2 1/4	4	31	3 1/2	4 3/4	36	32		N/A		17	1 7/8	3 1/4	19	2 1/2	4	27	2 1/2	4	27	2 1/2	4	5 3/4	6'-5"
7'-5"	344		N/A		18	2 3/8	4	18	2 3/8	3 3/4	18	2 1/2	4	24	2 1/2	4	15	2 1/4	4	26	3 1/2	4 3/4	35	27		N/A		16	1 7/8	3 1/4	18	2 1/2	4	25	2 1/2	4	25	2 1/2	4	5 3/4	7'-5"
8'-5"	344		N/A		17	2 3/8	4	16	2 3/8	3 3/4	17	2 1/2	4	22	2 1/2	4	13	2 1/4	4	23	3 1/2	4 3/4	31	24		N/A		15	1 7/8	3 1/4	17	2 1/2	4	23	2 1/2	4	24	2 1/2	4	5 3/4	8'-5"
9'-5"	344		N/A		16	2 3/8	4	15	2 3/8	3 3/4	16	2 1/2	4	21	2 1/2	4	12	2 1/4	4	21	3 1/2	4 3/4	28	21		N/A		14	1 7/8	3 1/4	16	2 1/2	4	22	2 1/2	4	23	2 1/2	4	5 3/4	9'-5"
10'-5"	344		N/A		15	2 3/8	4	14	2 3/8	3 3/4	15	2 1/2	4	20	2 1/2	4	11	2 1/4	4	19	3 1/2	4 3/4	25	19		N/A		13	1 7/8	3 1/4	15	2 1/2	4	21	2 1/2	4	21	2 1/2	4	5 3/4	10'-5"
11'-5"	344		N/A		14	2 3/8	4	13	2 3/8	3 3/4	15	2 1/2	4	19	2 1/2	4	10	2 1/4	4	17	3 1/2	4 3/4	23	18		N/A		13	1 7/8	3 1/4	14	2 1/2	4	20	2 1/2	4	20	2 1/2	4	5 3/4	11'-5"
12'-5"	344		N/A		13	2 3/8	4	12	2 3/8	3 3/4	14	2 1/2	4	18	2 1/2	4	9	2 1/4	4	16	3 1/2	4 3/4	21	17		N/A		12	1 7/8	3 1/4	14	2 1/2	4	19	2 1/2	4	20	2 1/2	4	5 3/4	12'-5"
13'-5"	344		N/A		18	2 3/8	4	18	2 3/8	3 3/4	19	2 1/2	4	23	2 1/2	4	16	2 1/4	4	24	3 1/2	4 3/4	36	28		N/A		13	1 7/8	3 1/4	18	2 1/2	4	25	2 1/2	4	25	2 1/2	4	5 3/4	13'-5"
14'-5"	344		N/A		13	2 3/8	4	13	2 3/8	3 3/4	15	2 1/2	4	19	2 1/2	4	11	2 1/4	4	17	3 1/2	4 3/4	36	31		N/A		8	1 7/8	3 1/4	15	2 1/2	4	20	2 1/2	4	20	2 1/2	4	5 3/4	14'-5"
15'-5"	445	18	3 7/8	6	16	3 5/8	6	15	3 3/4	6	17	3 3/4	5 1/2	21	4 1/4	6 3/4	15	4	6	20	4 1/4	5 1/2	36	36	17	3 7/8	6	N/A	18	3 3/4	5 1/2	18	4 1/4	6 3/4	23	4	6 1/4	6 13/16	15'-5"		
16'-5"	445	18	3 7/8	6	16	3 5/8	6	15	3 3/4	6	17	3 3/4	5 1/2	21	4 1/4	6 3/4	15	4	6	20	4 1/4	5 1/2	36	36	17	3 7/8	6	N/A	18	3 3/4	5 1/2	18	4 1/4	6 3/4	23	4	6 1/4	6 13/16	16'-5"		
17'-5"	445	17	3 7/8	6	14	3 5/8	6	14	3 3/4	6	17	3 3/4	5 1/2	20	4 1/4	6 3/4	14	4	6	19	4 1/4	5 1/2	36	35	16	3 7/8	6	N/A	17	3 3/4	5 1/2	16	4 1/4	6 3/4	22	4	6 1/4	6 13/16	17'-5"		
18'-5"	445	13	3 7/8	6	9	3 5/8	6	9	3 3/4	6	9	3 3/4	5 1/2	17	4 1/4	6 3/4	10	4	6	15	4 1/4	5 1/2	35	24	11	3 7/8	6	N/A	13	3 3/4	5 1/2	10	4 1/4	6 3/4	7	4	6 1/4	6 13/16	18'-5"		
19'-5"	445	10	3 7/8	6	7	3 5/8	6	8	3 3/4	6	7	3 3/4	5 1/2	9	4 1/4	6 3/4	9	4	6	12	4 1/4	5 1/2	28	19	9	3 7/8	6	N/A	9	3 3/4	5 1/2	9	4 1/4	6 3/4	7	4	6 1/4	6 13/16	19'-5"		
20'-5"	446	16	5 1/8	7 7/8	9	4 1/2	6	9	4 5/8	7	9	4 1/2	6	16	5	7		N/A	13	5	6 1/4	N/A	32	11	5 1/8	7 7/8	N/A	9	4 1/2	6	N/A	10	5 1/2	8 1/2	6 7/8	20'-5"					
21'-5"	546	10	5 1/8	7 7/8	7	4 1/2	6	7	4 5/8	7	7	4 1/2	6	10	5	7		N/A	10	5	6 1/4	N/A	36	27	9	5 1/8	7 7/8	N/A	7	4 1/2	6	N/A	9	5 1/2	8 1/2	6 7/8	21'-5"				
22'-5"	546	8	5 1/8	7 7/8	5	4 1/2	6	5	4 5/8	7	5	4 1/2	6	8	5	7		N/A	6	5	6 1/4	N/A	33	5	5 1/8	7 7/8	N/A	5	4 1/2	6	N/A	7	5 1/2	8 1/2	6 7/8	22'-5"					
23'-5"	548	17	5 3/4	8 3/4	10	5 1/2	8	7	5 5/8	10	19	5 1/2	8	19	6 1/4	8 1/8		N/A	20	6 5/8	7 7/8	N/A	36	36	18	5 3/4	8 3/4	N/A	11	5 1/2	8	N/A	26	6 1/4	10	7 1/2	23'-5"				
24'-5"	548	13	5 3/4	8 3/4	9	5 1/2	8		N/A		11	5 1/2	8	18	6 1/4	8 1/8		N/A	13	6 5/8	7 7/8	N/A	36	36	16	5 3/4	8 3/4	N/A	10	5 1/2	8	N/A	24	6 1/4	10	7 1/2	24'-5"				
25'-5"	548	11	5 3/4	8 3/4	8	5 1/2	8		N/A		9	5 1/2	8	11	6 1/4	8 1/8		N/A	13	6 5/8	7 7/8	N/A	36	36	12	5 3/4	8 3/4	N/A	8	5 1/2	8	N/A	11	6 1/4	10	7 1/2	25'-5"				
26'-5"	548	10	5 3/4	8 3/4	6	5 1/2	8		N/A		8	5 1/2	8	10	6 1/4	8 1/8		N/A	10	6 5/8	7 7/8	N/A	36	36	11	5 3/4	8 3/4	N/A	7	5 1/2	8	N/A	10	6 1/4	10	7 1/2	26'-5"				
27'-5"	648	9	5 3/4	8 3/4	5	5 1/2	8		N/A		7	5 1/2	8	9	6 1/4	8 1/8		N/A	7	6 5/8	7 7/8	N/A	36	33	9	5 3/4	8 3/4	N/A	6	5 1/2	8	N/A	8	6 1/4	10	7 1/2	27'-5"				
28'-5"	648	8	5 3/4	8 3/4		N/A			N/A		5	5 1/2	8	7	6 1/4	8 1/8		N/A		N/A		N/A	36	30	8	5 3/4	8 3/4	N/A		N/A		N/A	7	6 1/4	10	7 1/2	28'-5"				
29'-5"	648	7	5 3/4	8 3/4		N/A			N/A			N/A		6	6 1/4	8 1/8		N/A		N/A		N/A	36	27	7	5 3/4	8 3/4	N/A		N/A		N/A	6	6 1/4	10	7 1/2	29'-5"				
30'-5"	648	5	5 3/4	8 3/4		N/A			N/A			N/A		5	6 1/4	8 1/8		N/A		N/A		N/A	36	25		N/A		N/A		N/A		N/A	5	6 1/4	10	7 1/2	30'-5"				
31'-5"	DC6	10	5 3/4	8 3/4	7	5 1/2	8		N/A		8	5 1/2	8	9	6 1/4	8 1/8		N/A		10	6 5/8	7 7/8	N/A	35		10	5 3/4	8 3/4	8	4 1/2	6	8	5 1/2	8	N/A	9	6 1/4	10	9 1/4	31'-5"	
32'-5"	DC6	9	5 3/4	8 3/4	6	5 1/2	8		N/A		7	5 1/2	8	8	6 1/4	8 1/8		N/A		8	6 5/8	7 7/8	N/A	36	32	9	5 3/4	8 3/4	7	4 1/2	6	7	5 1/2	8	N/A	8	6 1/4	10	9 1/4	32'-5"	

L/TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	11/26/2025	KAD	2398
A	REVISED WINDLOAD TABLES	08/12/2026	KAD	2398

CP0001/CP0651 - 0.0405_0.022 Minimum Thickness Galvanized or Stainless Steel - 60 PSF																																													
Guide Construction								Filled CMU																		Steel (Wall anchors are the same diameter as assembly fasteners)																			
D.B.G. Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Flat Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt T22 Carbon & Stainless Steel		Powers Power-Stud+ SD1		Simpson Strong-Bolt 2			Hilti KH-EZ			Simpson Strong-Tie Titen			Hilti KH-EZ Stainless Steel			Simpson Strong-Tie Titen Stainless Steel			Through Bolting		Min. Edge Distance	Welded		Through Bolt		Tapped Bolt			Superimposed Loads				D.B.G. Up To				
								Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed		Max O.C.	Dia.	Slot Max O.C.	Heel and Toe Max O.C.	Slot Size	Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Min Thickness	Vx (+)		Vy (+)	Vx (-)	Vy (-)	
4'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	10	3/8	3	10	5/8	3 3/8	12	5/8	4 3/8	17	3/8	3 1/4	13	5/8	4 1/2	17	3/8	3 1/4	13	5/8	4 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	3/16	0	135	0	133	4'-5"		
5'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	3/8	3	8	5/8	3 3/8	10	5/8	4 3/8	14	3/8	3 1/4	13	3/4	5 1/2	14	3/8	3 1/4	8	3/4	5 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	3/16	0	165	0	163	5'-5"		
6'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	10	5/8	4 1/2	N/A	N/A	N/A	8	5/8	4 3/8	12	3/8	3 1/4	N/A	N/A	N/A	12	3/8	3 1/4	N/A	N/A	N/A	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	3/16	0	195	0	193	6'-5"		
7'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	5/8	4 1/2	N/A	N/A	N/A	8	3/4	5 1/4	10	3/8	3 1/4	N/A	N/A	N/A	10	3/8	3 1/4	N/A	N/A	N/A	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	3/16	0	225	0	223	7'-5"		
8'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	15	3/4	5 1/2	N/A	N/A	N/A	N/A	9	3/8	3 1/4	N/A	N/A	N/A	9	3/8	3 1/4	N/A	N/A	N/A	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	3/16	0	255	0	253	8'-5"				
9'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	13	3/4	5 1/2	N/A	N/A	N/A	8	3/8	3 1/4	N/A	N/A	N/A	11	1/2	4 1/4	N/A	N/A	N/A	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	3/16	0	285	0	283	9'-5"					
10'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	12	3/4	5 1/2	N/A	N/A	N/A	N/A	12	1/2	4 1/4	N/A	N/A	N/A	10	1/2	4 1/4	N/A	N/A	N/A	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	3/16	0	315	0	313	10'-5"				
11'-5"	1 1/8	0.344	CP0629	344	12	3/8	18	9	5/8	4 1/2	N/A	N/A	N/A	N/A	11	3/8	3 1/4	N/A	N/A	N/A	11	3/8	3 1/4	N/A	N/A	N/A	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	25	21	3/16	104	345	38	343	11'-5"		
12'-5"	1 1/4	0.469	CP0629	344	12	3/8	17	8	1/2	3 3/4	8	5/8	3 3/8	9	5/8	4 3/8	11	3/8	3 1/4	13	3/4	5 1/2	11	3/8	3 1/4	N/A	8	3/8	5 3/4	27	36	7/16" x 5/8"	26	20	9	8	3/16	339	375	286	373	12'-5"			
13'-5"	1 3/8	0.594	CP0629	344	12	3/8	12	13	3/4	5 1/2	N/A	N/A	N/A	8	3/4	5 1/4	13	1/2	4 1/4	N/A	N/A	N/A	10	1/2	4 1/4	N/A	8	3/8	5 3/4	17	30	7/16" x 5/8"	16	11	6	5	3/16	563	405	520	403	13'-5"			
14'-5"	1 5/8	0.781	CP0630	445	10	1/2	14	8	3/4	5 1/2	N/A	N/A	N/A	9	3/4	6 1/4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	1/2	6 13/16	15	23	9/16" x 3/4"	21	15	7	5	1/4	1032	463	1004	464	14'-5"				
15'-5"	1 5/8	0.781	CP0630	445	10	1/2	14	8	3/4	5 1/2	N/A	N/A	N/A	N/A	9	3/4	6 1/4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	1/2	6 13/16	15	23	9/16" x 3/4"	21	15	7	5	1/4	1032	463	1004	464	15'-5"				
16'-5"	1 7/8	1.031	CP0630	445	10	1/2	13	8	3/4	5 1/2	N/A	N/A	N/A	N/A	8	3/4	6 1/4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	1/2	6 13/16	15	23	9/16" x 3/4"	20	14	7	5	1/4	1059	492	1038	493	16'-5"				
17'-5"	2	1.156	CP0630	445	9	1/2	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	1/2	6 13/16	13	20	9/16" x 3/4"	17	11	6	N/A	1/4	1222	522	1204	523	17'-5"				
18'-5"	2	1.156	CP0630	446	8	5/8	16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	5/8	6 7/8	12	19	11/16" x 7/8"	22	16	8	5	5/16	1488	552	1469	553	18'-5"				
19'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	14	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	5/8	6 7/8	10	16	11/16" x 7/8"	18	13	6	N/A	5/16	1744	582	1727	583	19'-5"				
20'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	5/8	6 7/8	9	14	11/16" x 7/8"	15	10	6	N/A	5/16	1995	612	1978	613	20'-5"				
21'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	18	20	7/8" x 1"	36	31	14	10	3/8	1779	641	1760	641	21'-5"				
22'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	17	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	16	18	7/8" x 1"	36	27	12	9	3/8	1989	671	1972	671	22'-5"				
23'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	14	16	7/8" x 1"	32	24	11	8	3/8	2198	701	2181	701	23'-5"				
24'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	13	15	7/8" x 1"	30	21	10	7	3/8	2405	731	2388	732	24'-5"				
25'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	14	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	12	14	7/8" x 1"	27	19	9	7	3/8	2612	761	2595	762	25'-5"				
26'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	11	13	7/8" x 1"	24	17	9	6	3/8	2818	792	2802	792	26'-5"				
27'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	7 1/2	10	12	7/8" x 1"	22	15	8	6	3/8	3025	822	3009	823	27'-5"				
28'-5"	2 1/2	1.656	CP0630 & CP0647	DC6	5	3/4	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	3/4	9 1/4	10	11	7/8" x 1"	20	13	7	5	3/8	3233	852	3216	853	28'-5"				

CP0001/CP0651 - 0.0405_0.022 Minimum Thickness Galvanized or Stainless Steel - 60 PSF - Continued																																											
Concrete Minimum 4,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																																											
D.B.G. Up To	Guide Assembly	Simpson Strong-Bolt 2			Hilti Kwik Bolt 1			Powers Power-Stud+ SD1			Hilti Kwik Bolt T22			Hilti KH-EZ			ITW Redhead Trubolt			Hilti HVU2			Through Bolting - Carbon Steel Max O.C.		Through Bolting - Stainless Steel Max O.C.		Simpson Strong-Bolt 2 Stainless Steel			Powers Power-Stud+ SD4 Stainless Steel			Hilti Kwik Bolt T22 Stainless Steel			Hilti KH-EZ Stainless Steel			Simpson Titen HD Stainless Steel			Min. Edge Distance	D.B.G. Up To
		Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.						
4'-5"	344		N/A		22	2 3/8	4	21	2 3/8	3 3/4	22	2 1/2	4	28	2 1/2	4	21	2 1/4	4	36	3 1/2	4 3/4	36		36			N/A	19	1 7/8	3 1/4	21	2 1/2	4	30	2 1/2	4	30	2 1/2	4	5 3/4	4'-5"	
5'-5"	344		N/A		19	2 3/8	4	19	2 3/8	3 3/4	20	2 1/2	4	25	2 1/2	4	17	2 1/4	4	30	3 1/2	4 3/4	36		31			N/A	17	1 7/8	3 1/4	19	2 1/2	4	27	2 1/2	4	27	2 1/2	4	5 3/4	5'-5"	
6'-5"	344		N/A		18	2 3/8	4	17	2 3/8	3 3/4	18	2 1/2	4	23	2 1/2	4	14	2 1/4	4	25	3 1/2	4 3/4	34		26			N/A	15	1 7/8	3 1/4	18	2 1/2	4	25	2 1/2	4	25	2 1/2	4	5 3/4	6'-5"	
7'-5"	344		N/A		17	2 3/8	4	16	2 3/8	3 3/4	17	2 1/2	4	22	2 1/2	4	12	2 1/4	4	22	3 1/2	4 3/4	29		23			N/A	14	1 7/8	3 1/4	16	2 1/2	4	23	2 1/2	4	23	2 1/2	4	5 3/4	7'-5"	
8'-5"	344		N/A		16	2 3/8	4	14	2 3/8	3 3/4	16	2 1/2	4	20	2 1/2	4	11	2 1/4	4	19	3 1/2	4 3/4	26		20			N/A	13	1 7/8	3 1/4	15	2 1/2	4	21	2 1/2	4	22	2 1/2	4	5 3/4	8'-5"	
9'-5"	344		N/A		14	2 3/8	4	13	2 3/8	3 3/4	15	2 1/2	4	19	2 1/2	4	10	2 1/4	4	17	3 1/2	4 3/4	23		18			N/A	13	1 7/8	3 1/4	14	2 1/2	4	20	2 1/2	4	21	2 1/2	4	5 3/4	9'-5"	
10'-5"	344		N/A		13	2 3/8	4	12	2 3/8	3 3/4	14	2 1/2	4	18	2 1/2	4	9	2 1/4	4	15	3 1/2	4 3/4	21		16			N/A	12	1 7/8	3 1/4	14	2 1/2	4	19	2 1/2	4	20	2 1/2	4	5 3/4	10'-5"	
11'-5"	344		N/A		16	2 3/8	4	16	2 3/8	3 3/4	17	2 1/2	4	21	2 1/2	4	13	2 1/4	4	21	3 1/2	4 3/4	24		18			N/A	13	1 7/8	3 1/4	17	2 1/2	4	23	2 1/2	4	23	2 1/2	4	5 3/4	11'-5"	
12'-5"	344		N/A		15	2 3/8	4	15	2 3/8	3 3/4	16	2 1/2	4	20	2 1/2	4	13	2 1/4	4	19	3 1/2	4 3/4	36		34			N/A	10	1 7/8	3 1/4	16	2 1/2	4	22	2 1/2	4	22	2 1/2	4	5 3/4	12'-5"	
13'-5"	344		N/A		10	2 3/8	4	11	2 3/8	3 3/4	13	2 1/2	4	16	2 1/2	4	8	2 1/4	4	13	3 1/2	4 3/4	33		23			N/A		N/A		13	2 1/2	4	5	2 1/2	4	19	3 1/4	5	5 3/4	13'-5"	
14'-5"	445	14	3 7/8	6	9	3 5/8	6	10	3 3/4	6	9	3 3/4	5 1/2	18	4 1/4	6 3/4	11	4	6	15	4 1/4	5 1/2	36		28		13	3 7/8	6	N/A	14	3 3/4	5 1/2	11	4 1/4	6 3/4	7	4	6 1/4	6 13/16	14'-5"		
15'-5"	445	14	3 7/8	6	9	3 5/8	6	10	3 3/4	6	9	3 3/4	5 1/2	18	4 1/4	6 3/4	11	4	6	15	4 1/4	5 1/2	36		28		13	3 7/8	6	N/A	14	3 3/4	5 1/2	11	4 1/4	6 3/4	7	4	6 1/4	6 13/16	15'-5"		
16'-5"	445	14	3 7/8	6	9	3 5/8	6	10	3 3/4	6	9	3 3/4	5 1/2	17	4 1/4	6 3/4	11	4	6	15	4 1/4	5 1/2	36		26		12	3 7/8	6	N/A	13	3 3/4	5 1/2	10	4 1/4	6 3/4	7	4	6 1/4	6 13/16	16'-5"		
17'-5"	445	10	3 7/8	6	8	3 5/8	6	9	3 3/4	6	8	3 3/4	5 1/2	16	4 1/4	6 3/4	9	4	6	13	4 1/4	5 1/2	30		31		10	3 7/8	6	N/A	9	3 3/4	5 1/2	9	4 1/4	6 3/4	7	4	6 1/4	6 13/16	17'-5"		
18'-5"	446	17	5 1/8	7 7/8	10	4 1/2	6	9	4 5/8	7	9	4 1/2	6	16	5	7		N/A		16	5	6 1/4	36		23		11	5 1/8	7 7/8	N/A	9	4 1/2	6	N/A		10	5 1/2	8 1/2	6 7/8	18'-5"			
19'-5"	546	10	5 1/8	7 7/8	7	4 1/2	6	7	4 5/8	7	7	4 1/2	6	10	5	7		N/A		10	5	6 1/4	36		27		9	5 1/8	7 7/8	N/A	7	4 1/2	6	N/A		9	5 1/2	8 1/2	6 7/8	19'-5"			
20'-5"	546	8	5 1/8	7 7/8	5	4 1/2	6		N/A		5	4 1/2	6	8	5	7		N/A		5	5	6 1/4	32		22		7	5 1/8	7 7/8	N/A	5	3 3/4	5 1/2	N/A		7	5 1/2	8 1/2	6 7/8	20'-5"			
21'-5"	548	16	5 3/4	8 3/4	10	5 1/2	8	7	5 5/8	10	18	5 1/2	8	19	6 1/4	8 1/8		N/A		14	6 5/8	7 7/8	36		36		18	5 3/4	8 3/4	N/A	11	5 1/2	8	N/A		25	6 1/4	10	7 1/2	21'-5"			
22'-5"	548	12	5 3/4	8 3/4	8	5 1/2	8		N/A		10	5 1/2	8	17	6 1/4	8 1/8		N/A		13	6 5/8	7 7/8	36		36		12	5 3/4	8 3/4	N/A	9	5 1/2	8	N/A		11	6 1/4	10	7 1/2	22'-5"			
23'-5"	548	11	5 3/4	8 3/4	7	5 1/2	8		N/A		8	5 1/2	8	10	6 1/4	8 1/8		N/A		11	6 5/8	7 7/8	36		36		11	5 3/4	8 3/4	N/A	7	5 1/2	8	N/A		10	6 1/4	10	7 1/2	23'-5"			
24'-5"	648	9	5 3/4	8 3/4	5	5 1/2	8		N/A		7	5 1/2	8	9	6 1/4	8 1/8		N/A		8	6 5/8	7 7/8	36		33		10	5 3/4	8 3/4	N/A	6	5 1/2	8	N/A		9	6 1/4	10	7 1/2	24'-5"			
25'-5"	648	8	5 3/4	8 3/4		N/A			N/A		5	5 1/2	8	7	6 1/4	8 1/8		N/A			N/A		36		30		8	5 3/4	8 3/4	N/A		N/A		N/A		7	6 1/4	10	7 1/2	25'-5"			
26'-5"	648	6	5 3/4	8 3/4		N/A			N/A			N/A		6	6 1/4	8 1/8		N/A			N/A		36		27		7	5 3/4	8 3/4	N/A		N/A		N/A		6	6 1/4	10	7 1/2	26'-5"			
27'-5"	648	5	5 3/4	8 3/4		N/A			N/A			N/A		5	6 1/4	8 1/8		N/A			N/A		35		24			N/A		N/A		N/A		N/A			N/A		7 1/2	27'-5"			
28'-5"	DC6	9	5 3/4	8 3/4	7	5 1/2	8		N/A		8	5 1/2	8	8	6 1/4	8 1/8		N/A		9	6 5/8	7 7/8	36		34		10	5 3/4	8 3/4	8	4 1/2	6	7	5 1/2	8		N/A		8	6 1/4	10	9 1/4	28'-5"

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A	REVISED WINDLOAD TABLES	08/12/2026	KAD	2398

CP0001/CP0651 - 0.0405_0.022 Minimum Thickness Galvanized or Stainless Steel - 65 PSF																																												
Guide Construction								Filled CMU																Steel (Wall anchors are the same diameter as assembly fasteners)																				
D.B.G. Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Flat Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt T22 Carbon & Stainless Steel		Powers Power-Stud+ SD1		Simpson Strong-Bolt 2			Hilti KH-EZ			Simpson Strong-Tie Titen			Hilti KH-EZ Stainless Steel			Simpson Strong-Tie Titen Stainless Steel			Through Bolting		Min. Edge Distance	Welded		Through Bolt			Tapped Bolt			Superimposed Loads				D.B.G. Up To		
								Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed		Max O.C.	Dia.	Embed	Max O.C.	Heel and Toe Max O.C.	Slot Size	Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Min Thickness	Vx (+)		Vy (+)	Vx (-)
4'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	9	3/8	3	9	5/8	3 3/8	11	5/8	4 3/8	16	3/8	3 1/4	12	5/8	4 1/2	16	3/8	3 1/4	12	5/8	4 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	146	0	144	4'-5"
5'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	1/2	3 3/4	N/A			9	5/8	4 3/8	13	3/8	3 1/4	12	3/4	5 1/2	13	3/8	3 1/4	8	3/4	5 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	179	0	176	5'-5"
6'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	9	5/8	4 1/2	N/A			8	5/8	4 3/8	11	3/8	3 1/4	N/A			11	3/8	3 1/4	N/A			8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	211	0	209	6'-5"
7'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	5/8	4 1/2	N/A			8	3/4	5 1/4	9	3/8	3 1/4	N/A			9	3/8	3 1/4	N/A			8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	244	0	241	7'-5"
8'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	14	3/4	5 1/2	N/A			N/A			8	3/8	3 1/4	N/A			11	1/2	4 1/4	N/A			8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	276	0	274	8'-5"
9'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	12	3/4	5 1/2	N/A			N/A			12	1/2	4 1/4	N/A			10	1/2	4 1/4	N/A			8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	34	3/16	0	309	0	306	9'-5"
10'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	11	3/4	5 1/2	N/A			N/A			11	1/2	4 1/4	N/A			9	1/2	4 1/4	N/A			8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	31	3/16	0	341	0	339	10'-5"
11'-5"	1 1/8	0.344	CP0629	344	12	3/8	18	8	1/2	3 3/4	N/A			8	5/8	4 3/8	12	3/8	3 1/4	N/A			12	3/8	3 1/4	N/A			8	3/8	5 3/4	33	36	7/16" x 5/8"	31	24	11	9	3/16	273	374	205	371	11'-5"
12'-5"	1 1/4	0.469	CP0629	344	12	3/8	13	8	5/8	4 1/2	N/A			8	5/8	4 3/8	14	1/2	4 1/4	N/A			11	1/2	4 1/4	N/A			8	3/8	5 3/4	19	32	7/16" x 5/8"	18	13	6	5	3/16	502	406	448	404	12'-5"
13'-5"	1 1/2	0.656	CP0630	445	10	1/2	14	8	3/4	5 1/2	N/A			N/A			9	3/4	6 1/4	N/A			N/A			N/A			8	1/2	6 13/16	15	23	9/16" x 3/4"	21	15	7	5	1/4	1029	470	995	470	13'-5"
14'-5"	1 1/2	0.656	CP0630	445	10	1/2	14	8	3/4	5 1/2	N/A			N/A			9	3/4	6 1/4	N/A			N/A			N/A			8	1/2	6 13/16	15	23	9/16" x 3/4"	21	15	7	5	1/4	1029	470	995	470	14'-5"
15'-5"	1 5/8	0.781	CP0630	445	9	1/2	12	N/A			N/A			N/A			N/A			N/A			N/A			N/A			8	1/2	6 13/16	13	20	9/16" x 3/4"	17	12	6	N/A	1/4	1206	502	1178	502	15'-5"
16'-5"	1 7/8	1.031	CP0630	445	9	1/2	12	N/A			N/A			N/A			N/A			N/A			N/A			N/A			8	1/2	6 13/16	13	20	9/16" x 3/4"	17	11	6	N/A	1/4	1225	533	1202	534	16'-5"
17'-5"	2	1.156	CP0630	446	8	5/8	17	N/A			N/A			N/A			N/A			N/A			N/A			N/A			8	5/8	6 7/8	13	21	11/16" x 7/8"	24	18	8	6	5/16	1393	565	1373	566	17'-5"
18'-5"	2	1.156	CP0630	546	8	5/8	14	N/A			N/A			N/A			N/A			N/A			N/A			N/A			8	5/8	6 7/8	11	17	11/16" x 7/8"	19	14	7	5	5/16	1673	598	1654	599	18'-5"
19'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	13	N/A			N/A			N/A			N/A			N/A			N/A			N/A			8	5/8	6 7/8	9	15	11/16" x 7/8"	16	11	6	N/A	5/16	1945	630	1926	632	19'-5"
20'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	18	N/A			N/A			N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	18	20	7/8" x 1"	36	31	14	10	3/8	1744	662	1725	662	20'-5"
21'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	17	N/A			N/A			N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	16	18	7/8" x 1"	36	28	12	9	3/8	1972	694	1953	695	21'-5"
22'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	16	N/A			N/A			N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	14	16	7/8" x 1"	32	24	11	8	3/8	2196	727	2177	727	22'-5"
23'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	14	N/A			N/A			N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	13	15	7/8" x 1"	29	21	10	7	3/8	2419	760	2400	760	23'-5"
24'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	13	N/A			N/A			N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	12	14	7/8" x 1"	26	18	9	7	3/8	2640	792	2622	793	24'-5"
25'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	12	N/A			N/A			N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	11	12	7/8" x 1"	24	16	8	6	3/8	2861	825	2844	826	25'-5"
26'-5"	2 1/2	1.656	CP0630 & CP0647	648	5	3/4	12	N/A			N/A			N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	10	12	7/8" x 1"	21	14	8	6	3/8	3083	858	3065	859	26'-5"

CP0001/CP0651 - 0.0405_0.022 Minimum Thickness Galvanized or Stainless Steel - 65 PSF - Continued																																											
Concrete Minimum 4,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																																											
D.B.G. Up To	Guide Assembly	Simpson Strong-Bolt 2			Hilti Kwik Bolt 1			Powers Power-Stud+ SD1			Hilti Kwik Bolt T22			Hilti KH-EZ			ITW Redhead Trubolt			Hilti HVU2			Through Bolting - Carbon Steel Max O.C.		Through Bolting - Stainless Steel Max O.C.		Simpson Strong-Bolt 2 Stainless Steel			Powers Power-Stud+ SD4 Stainless Steel			Hilti Kwik Bolt T22 Stainless Steel			Hilti KH-EZ Stainless Steel			Simpson Titen HD Stainless Steel			Min. Edge Distance	D.B.G. Up To
		Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.						
4'-5"	344		N/A		21	2 3/8	4	20	2 3/8	3 3/4	21	2 1/2	4	27	2 1/2	4	19	2 1/4	4	34	3 1/2	4 3/4	36		35		N/A		18	1 7/8	3 1/4	20	2 1/2	4	28	2 1/2	4	29	2 1/2	4	5 3/4	4'-5"	
5'-5"	344		N/A		19	2 3/8	4	18	2 3/8	3 3/4	19	2 1/2	4	24	2 1/2	4	16	2 1/4	4	28	3 1/2	4 3/4	36		29		N/A		16	1 7/8	3 1/4	18	2 1/2	4	26	2 1/2	4	26	2 1/2	4	5 3/4	5'-5"	
6'-5"	344		N/A		17	2 3/8	4	16	2 3/8	3 3/4	17	2 1/2	4	22	2 1/2	4	13	2 1/4	4	23	3 1/2	4 3/4	31		24		N/A		15	1 7/8	3 1/4	17	2 1/2	4	24	2 1/2	4	24	2 1/2	4	5 3/4	6'-5"	
7'-5"	344		N/A		16	2 3/8	4	15	2 3/8	3 3/4	16	2 1/2	4	21	2 1/2	4	11	2 1/4	4	20	3 1/2	4 3/4	27		21		N/A		14	1 7/8	3 1/4	16	2 1/2	4	22	2 1/2	4	22	2 1/2	4	5 3/4	7'-5"	
8'-5"	344		N/A		15	2 3/8	4	13	2 3/8	3 3/4	15	2 1/2	4	19	2 1/2	4	10	2 1/4	4	18	3 1/2	4 3/4	24		18		N/A		13	1 7/8	3 1/4	15	2 1/2	4	21	2 1/2	4	21	2 1/2	4	5 3/4	8'-5"	
9'-5"	344		N/A		13	2 3/8	4	12	2 3/8	3 3/4	14	2 1/2	4	18	2 1/2	4	9	2 1/4	4	16	3 1/2	4 3/4	21		16		N/A		12	1 7/8	3 1/4	14	2 1/2	4	19	2 1/2	4	20	2 1/2	4	5 3/4	9'-5"	
10'-5"	344		N/A		12	2 3/8	4	11	2 3/8	3 3/4	13	2 1/2	4	17	2 1/2	4	8	2 1/4	4	14	3 1/2	4 3/4	19		15		N/A			N/A		13	2 1/2	4	5	2 1/2	4	19	3 1/4	5	5 3/4	10'-5"	
11'-5"	344		N/A		16	2 3/8	4	16	2 3/8	3 3/4	17	2 1/2	4	21	2 1/2	4	14	2 1/4	4	20	3 1/2	4 3/4	34		26		N/A		11	1 7/8	3 1/4	17	2 1/2	4	23	2 1/2	4	23	2 1/2	4	5 3/4	11'-5"	
12'-5"	344		N/A		11	2 3/8	4	11	2 3/8	3 3/4	13	2 1/2	4	17	2 1/2	4	9	2 1/4	4	14	3 1/2	4 3/4	36		27		N/A			N/A		13	2 1/2	4	17	2 1/2	4	17	2 1/2	4	5 3/4	12'-5"	
13'-5"	445	14	3 7/8	6	9	3 5/8	6	10	3 3/4	6	9	3 3/4	5 1/2	18	4 1/4	6 3/4	11	4	6	15	4 1/4	5 1/2	36		28		12	3 7/8	6		N/A		14	3 3/4	5 1/2	11	4 1/4	6 3/4	7	4	6 1/4	6 13/16	13'-5"
14'-5"	445	14	3 7/8	6	9	3 5/8	6	10	3 3/4	6	9	3 3/4	5 1/2	18	4 1/4	6 3/4	11	4	6	15	4 1/4	5 1/2	36		28		12	3 7/8	6		N/A		14	3 3/4	5 1/2	11	4 1/4	6 3/4	7	4	6 1/4	6 13/16	14'-5"
15'-5"	445	10	3 7/8	6	8	3 5/8	6	9	3 3/4	6	8	3 3/4	5 1/2	16	4 1/4	6 3/4	10	4	6	13	4 1/4	5 1/2	32		22		10	3 7/8	6		N/A		9	3 3/4	5 1/2	9	4 1/4	6 3/4	7	4	6 1/4	6 13/16	15'-5"
16'-5"	445	10	3 7/8	6	8	3 5/8	6	9	3 3/4	6	8	3 3/4	5 1/2	16	4 1/4	6 3/4	9	4	6	13	4 1/4	5 1/2	31		21		10	3 7/8	6		N/A		9	3 3/4	5 1/2	9	4 1/4	6 3/4	7	4	6 1/4	6 13/16	16'-5"
17'-5"	446	17	5 1/8	7 7/8	10	4 1/2	6	10	4 5/8	7	10	4 1/2	6	17	5	7		N/A		17	5	6 1/4	36		36		16	5 1/8	7 7/8		N/A		10	4 1/2	6		N/A		18	5 1/2	8 1/2	6 7/8	17'-5"
18'-5"	546	11	5 1/8	7 7/8	8	4 1/2	6	7	4 5/8	7	8	4 1/2	6	11	5	7		N/A		11	5	6 1/4	36		36		10	5 1/8	7 7/8		N/A		7	4 1/2	6		N/A		10	5 1/2	8 1/2	6 7/8	18'-5"
19'-5"	546	9	5 1/8	7 7/8	5	4 1/2	6	5	4 5/8	7	5	4 1/2	6	8	5	7		N/A		6	5	6 1/4	33		23		8	5 1/8	7 7/8		N/A		5	4 1/2	6		N/A		8	5 1/2	8 1/2	6 7/8	19'-5"
20'-5"	548	17	5 3/4	8 3/4	10	5 1/2	8	7	5 5/8	10		5 1/2	8	19	6 1/4	8 1/8		N/A		20	6 5/8	7 7/8	36		36		18	5 3/4	8 3/4		N/A		11	5 1/2	8		N/A		26	6 1/4	10	7 1/2	20'-5"
21'-5"	548	12	5 3/4	8 3/4	8	5 1/2	8		N/A		10	5 1/2	8	17	6 1/4	8 1/8		N/A		13	6 5/8	7 7/8	36		36		12	5 3/4	8 3/4		N/A		9	5 1/2	8		N/A		11	6 1/4	10	7 1/2	21'-5"
22'-5"	548	11	5 3/4	8 3/4	7	5 1/2	8		N/A		8	5 1/2	8	10	6 1/4	8 1/8		N/A		11	6 5/8	7 7/8	36		36		11	5 3/4	8 3/4		N/A		7	5 1/2	8		N/A		10	6 1/4	10	7 1/2	22'-5"
23'-5"	648	9	5 3/4	8 3/4	5	5 1/2	8		N/A		7	5 1/2	8	9	6 1/4	8 1/8		N/A		7	6 5/8	7 7/8	36		33		9	5 3/4	8 3/4		N/A		6	5 1/2	8		N/A		8	6 1/4	10	7 1/2	23'-5"
24'-5"	648	8	5 3/4	8 3/4		N/A			N/A		5	5 1/2	8	7	6 1/4	8 1/8		N/A			N/A		36		29		8	5 3/4	8 3/4		N/A			N/A			N/A		7	6 1/4	10	7 1/2	24'-5"
25'-5"	648	6	5 3/4	8 3/4		N/A			N/A			N/A		6	6 1/4	8 1/8		N/A			N/A		36		26		7	5 3/4	8 3/4		N/A			N/A			N/A		6	6 1/4	10	7 1/2	25'-5"
26'-5"	648	5	5 3/4	8 3/4		N/A			N/A			N/A			N/A			N/A			N/A		34		23			N/A			N/A			N/A			N/A			N/A		7 1/2	26'-5"

L'TR	REVISION	DATE	BY	E.C.O.
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A	REVISED WINDLOAD TABLES	08/12/2026	KAD	2398

CP0001/CP0651 - 0.0405_0.022 Minimum Thickness Galvanized or Stainless Steel - 70 PSF																																													
Guide Construction								Filled CMU															Steel (Wall anchors are the same diameter as assembly fasteners)																						
D.B.G. Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Flat Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt TZ2 Carbon & Stainless Steel			Powers Power-Stud+ SD1			Simpson Strong-Bolt 2			Hilti KH-EZ			Simpson Strong-Tie Titen			Hilti KH-EZ Stainless Steel			Simpson Strong-Tie Titen Stainless Steel			Through Bolting		Min. Edge Distance	Welded		Through Bolt			Tapped Bolt			Superimposed Loads				D.B.G. Up To	
								Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.		Slot Max O.C.	Heel and Toe Max O.C.	Slot Size	Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Min Thickness	Vx (+)	Vy (+)	Vx (-)	Vy (-)		
4'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	3/8	3	8	5/8	3 3/8	10	5/8	4 3/8	15	3/8	3 1/4	14	3/4	5 1/2	14	3/8	3 1/4	9	3/4	5 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	158	0	155	4'-5"	
5'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	10	5/8	4 1/2	N/A			8	5/8	4 3/8	12	3/8	3 1/4	N/A			12	3/8	3 1/4	N/A			8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	193	0	190	5'-5"	
6'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	5/8	4 1/2	N/A			8	3/4	5 1/4	10	3/8	3 1/4	N/A			10	3/8	3 1/4	N/A			8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	228	0	225	6'-5"	
7'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	15	3/4	5 1/2	N/A			N/A			9	3/8	3 1/4	N/A			12	1/2	4 1/4	N/A			8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	263	0	260	7'-5"	
8'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	13	3/4	5 1/2	N/A			N/A			13	1/2	4 1/4	N/A			11	1/2	4 1/4	N/A			8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	35	3/16	0	298	0	295	8'-5"	
9'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	11	3/4	5 1/2	N/A			N/A			12	1/2	4 1/4	N/A			9	1/2	4 1/4	N/A			8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	31	3/16	0	333	0	330	9'-5"	
10'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	10	3/4	5 1/2	N/A			N/A			10	1/2	4 1/4	N/A			8	1/2	4 1/4	N/A			8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	34	28	3/16	0	368	0	365	10'-5"
11'-5"	1 1/8	0.344	CP0629	344	12	3/8	15	8	5/8	4 1/2	N/A			9	5/8	4 3/8	8	3/8	3 1/4	12	3/4	5 1/2	12	1/2	4 1/4	N/A			8	3/8	5 3/4	21	33	7/16" x 5/8"	20	15	7	6	3/16	443	403	372	400	11'-5"	
12'-5"	1 3/8	0.531	CP0630	445	10	1/2	15	8	3/4	5 1/2	N/A			N/A			9	3/4	6 1/4	N/A			N/A			N/A			8	1/2	6 13/16	16	23	9/16" x 3/4"	21	15	7	5	1/4	1013	471	972	471	12'-5"	
13'-5"	1 3/8	0.531	CP0630	445	10	1/2	15	8	3/4	5 1/2	N/A			N/A			9	3/4	6 1/4	N/A			N/A			N/A			8	1/2	6 13/16	16	23	9/16" x 3/4"	21	15	7	5	1/4	1013	471	972	471	13'-5"	
14'-5"	1 1/2	0.656	CP0630	445	9	1/2	13	N/A			N/A			N/A			N/A			N/A			N/A			N/A			8	1/2	6 13/16	13	20	9/16" x 3/4"	17	12	6	N/A	1/4	1202	506	1166	506	14'-5"	
15'-5"	1 5/8	0.781	CP0630	446	8	5/8	18	N/A			N/A			N/A			N/A			N/A			N/A			N/A			8	5/8	6 7/8	13	20	11/16" x 7/8"	24	18	8	6	5/16	1381	540	1351	541	15'-5"	
16'-5"	1 7/8	1.031	CP0630	446	8	5/8	17	N/A			N/A			N/A			N/A			N/A			N/A			N/A			8	5/8	6 7/8	13	21	11/16" x 7/8"	24	18	8	6	5/16	1391	574	1367	575	16'-5"	
17'-5"	2	1.156	CP0630	546	8	5/8	15	N/A			N/A			N/A			N/A			N/A			N/A			N/A			8	5/8	6 7/8	12	18	11/16" x 7/8"	21	15	7	5	5/16	1564	609	1543	610	17'-5"	
18'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	13	N/A			N/A			N/A			N/A			N/A			N/A			N/A			8	5/8	6 7/8	10	15	11/16" x 7/8"	17	12	6	N/A	5/16	1859	644	1838	645	18'-5"	
19'-5"	2 1/2	1.656	CP0630 & CP0647	548	8	3/4	18	N/A			N/A			N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	19	21	7/8" x 1"	36	33	14	10	3/8	1680	678	1658	678	19'-5"	
20'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	17	N/A			N/A			N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	16	18	7/8" x 1"	36	28	13	9	3/8	1924	713	1903	713	20'-5"	
21'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	16	N/A			N/A			N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	14	16	7/8" x 1"	33	24	11	8	3/8	2165	748	2145	748	21'-5"	
22'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	14	N/A			N/A			N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	13	15	7/8" x 1"	30	21	10	7	3/8	2403	783	2383	783	22'-5"	
23'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	13	N/A			N/A			N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	12	13	7/8" x 1"	26	18	9	6	3/8	2640	818	2620	819	23'-5"	
24'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	12	N/A			N/A			N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	11	12	7/8" x 1"	23	16	8	6	3/8	2875	853	2856	854	24'-5"	
25'-5"	2 1/2	1.656	CP0630 & CP0647	DC6	5	3/4	11	N/A			N/A			N/A			N/A			N/A			N/A			N/A			8	3/4	9 1/4	10	11	7/8" x 1"	21	14	8	5	3/8	3111	889	3092	889	25'-5"	

CP0001/CP0651 - 0.0405_0.022 Minimum Thickness Galvanized or Stainless Steel - 70 PSF - Continued																																											
Concrete Minimum 4,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																																											
D.B.G. Up To	Guide Assembly	Simpson Strong-Bolt 2			Hilti Kwik Bolt 1			Powers Power-Stud+ SD1			Hilti Kwik Bolt TZ2			Hilti KH-EZ			ITW Redhead Trubolt			Hilti HVU2			Through Bolting - Carbon Steel Max O.C.		Through Bolting - Stainless Steel Max O.C.		Simpson Strong-Bolt 2 Stainless Steel			Powers Power-Stud+ SD4 Stainless Steel			Hilti Kwik Bolt TZ2 Stainless Steel			Hilti KH-EZ Stainless Steel			Simpson Titen HD Stainless Steel			Min. Edge Distance	D.B.G. Up To
		Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.						
4'-5"	344	N/A			20	2 3/8	4	19	2 3/8	3 3/4	20	2 1/2	4	26	2 1/2	4	18	2 1/4	4	31	3 1/2	4 3/4	36	33		N/A			17	1 7/8	3 1/4	20	2 1/2	4	27	2 1/2	4	28	2 1/2	4	5 3/4	4'-5"	
5'-5"	344	N/A			18	2 3/8	4	17	2 3/8	3 3/4	18	2 1/2	4	23	2 1/2	4	15	2 1/4	4	26	3 1/2	4 3/4	34	27		N/A			16	1 7/8	3 1/4	18	2 1/2	4	25	2 1/2	4	25	2 1/2	4	5 3/4	5'-5"	
6'-5"	344	N/A			16	2 3/8	4	16	2 3/8	3 3/4	17	2 1/2	4	22	2 1/2	4	12	2 1/4	4	22	3 1/2	4 3/4	29	22		N/A			14	1 7/8	3 1/4	16	2 1/2	4	23	2 1/2	4	23	2 1/2	4	5 3/4	6'-5"	
7'-5"	344	N/A			15	2 3/8	4	14	2 3/8	3 3/4	15	2 1/2	4	20	2 1/2	4	11	2 1/4	4	19	3 1/2	4 3/4	25	19		N/A			13	1 7/8	3 1/4	15	2 1/2	4	21	2 1/2	4	21	2 1/2	4	5 3/4	7'-5"	
8'-5"	344	N/A			14	2 3/8	4	12	2 3/8	3 3/4	14	2 1/2	4	19	2 1/2	4	9	2 1/4	4	16	3 1/2	4 3/4	22	17		N/A			12	1 7/8	3 1/4	14	2 1/2	4	20	2 1/2	4	20	2 1/2	4	5 3/4	8'-5"	
9'-5"	344	N/A			12	2 3/8	4	11	2 3/8	3 3/4	14	2 1/2	4	18	2 1/2	4	8	2 1/4	4	15	3 1/2	4 3/4	20	15		N/A			N/A			13	2 1/2	4	5	2 1/2	4	19	2 1/2	4	5 3/4	9'-5"	
10'-5"	344	N/A			11	2 3/8	4	5	2 3/8	4	13	2 1/2	4	17	2 1/2	4	5	2 1/4	4	13	3 1/2	4 3/4	18	14		N/A			N/A			13	2 1/2	4	5	2 1/2	4	18	3 1/4	5	5 3/4	10'-5"	
11'-5"	344	N/A			12	2 3/8	4	12	2 3/8	3 3/4	14	2 1/2	4	17	2 1/2	4	10	2 1/4	4	15	3 1/2	4 3/4	36	33		N/A			6	1 7/8	3 1/4	14	2 1/2	4	19	2 1/2	4	18	2 1/2	4	5 3/4	11'-5"	
12'-5"	445	14	3 7/8	6	9	3 5/8	6	10	3 3/4	6	9	3 3/4	5 1/2	18	4 1/4	6 3/4	11	4	6	15	4 1/4	5 1/2	36	29		12	3 7/8	6	N/A			14	3 3/4	5 1/2	11	4 1/4	6 3/4	7	4	6 1/4	6 13/16	12'-5"	
13'-5"	445	14	3 7/8	6	9	3 5/8	6	10	3 3/4	6	9	3 3/4	5 1/2	18	4 1/4	6 3/4	11	4	6	15	4 1/4	5 1/2	36	29		12	3 7/8	6	N/A			14	3 3/4	5 1/2	11	4 1/4	6 3/4	7	4	6 1/4	6 13/16	13'-5"	
14'-5"	445	10	3 7/8	6	8	3 5/8	6	9	3 3/4	6	8	3 3/4	5 1/2	16	4 1/4	6 3/4	9	4	6	13	4 1/4	5 1/2	33	23		10	3 7/8	6	N/A			9	3 3/4	5 1/2	9	4 1/4	6 3/4	7	4	6 1/4	6 13/16	14'-5"	
15'-5"	446	17	5 1/8	7 7/8	10	4 1/2	6	10	4 5/8	7	10	4 1/2	6	17	5	7	N/A		17	5	6 1/4	36	36		16	5 1/8	7 7/8	N/A			10	4 1/2	6	N/A			19	5 1/2	8 1/2	6 7/8	15'-5"		
16'-5"	446	17	5 1/8	7 7/8	10	4 1/2	6	10	4 5/8	7	10	4 1/2	6	17	5	7	N/A		17	5	6 1/4	36	36		16	5 1/8	7 7/8	N/A			10	4 1/2	6	N/A			18	5 1/2	8 1/2	6 7/8	16'-5"		
17'-5"	546	15	5 1/8	7 7/8	9	4 1/2	6	8	4 5/8	7	8	4 1/2	6	11	5	7	N/A		12	5	6 1/4	36	31		11	5 1/8	7 7/8	N/A			8	4 1/2	6	N/A			10	5 1/2	8 1/2	6 7/8	17'-5"		
18'-5"	546	9	5 1/8	7 7/8	6	4 1/2	6	5	4 5/8	7	6	4 1/2	6	9	5	7	N/A		8	5	6 1/4	35	24		8	5 1/8	7 7/8	N/A			6	4 1/2	6	N/A			8	5 1/2	8 1/2	6 7/8	18'-5"		
19'-5"	548	17	5 3/4	8 3/4	11	5 1/2	8	7	5 5/8	10	19	5 1/2	8	19	6 1/4	8 1/8	N/A		20	6 5/8	7 7/8	36	36		19	5 3/4	8 3/4	N/A			11	5 1/2	8	N/A			26	6 1/4	10	7 1/2	19'-5"		
20'-5"	548	12	5 3/4	8 3/4	9	5 1/2	8	N/A		10	5 1/2	8	17	6 1/4	8 1/8	N/A		13	6 5/8	7 7/8	36	36		16	5 3/4	8 3/4	N/A			9	5 1/2	8	N/A			24	6 1/4	10	7 1/2	20'-5"			
21'-5"	548	11	5 3/4	8 3/4	7	5 1/2	8	N/A		9	5 1/2	8	10	6 1/4	8 1/8	N/A		11	6 5/8	7 7/8	36	36		11	5 3/4	8 3/4	N/A			8	5 1/2	8	N/A			10	6 1/4	10	7 1/2	21'-5"			
22'-5"	648	9	5 3/4	8 3/4	5	5 1/2	8	N/A		7	5 1/2	8	9	6 1/4	8 1/8	N/A		8	6 5/8	7 7/8	36	33		10	5 3/4	8 3/4	N/A			6	5 1/2	8	N/A			9	6 1/4	10	7 1/2	22'-5"			
23'-5"	648	7	5 3/4	8 3/4	N/A			N/A		5	5 1/2	8	7	6 1/4	8 1/8	N/A		N/A		N/A		36	36		8	5 3/4	8 3/4	N/A			N/A			N/A			7	6 1/4	10	7 1/2	23'-5"		
24'-5"	648	6	5 3/4	8 3/4	N/A			N/A		N/A		5	6 1/4	8 1/8	N/A		N/A		N/A		36		26		N/A			N/A			N/A			N/A			5	6 1/4	10	7 1/2	24'-5"		
25'-5"	DC6	10	5 3/4	8 3/4	7	5 1/2	8	N/A		9	5 1/2	8	9	6 1/4	8 1/8	N/A		10		6 5/8	7 7/8	36	35		10	5 3/4	8 3/4	8	4 1/2	6	8	5 1/2	8	N/A			9	6 1/4	10	9 1/4	25'-5"		

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A	REVISED WINDLOAD TABLES	08/12/2026	KAD	2398

CP0001/CP0651 - 0.0405_0.022 Minimum Thickness Galvanized or Stainless Steel - 80 PSF																																														
Guide Construction								Filled CMU																		Steel (Wall anchors are the same diameter as assembly fasteners)																				
D.B.G. Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Flat Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt T22 Carbon & Stainless Steel			Powers Power-Stud+ SD1			Simpson Strong-Bolt 2			Hilti KH-EZ			Simpson Strong-Tie Titen			Hilti KH-EZ Stainless Steel			Simpson Strong-Tie Titen Stainless Steel			Through Bolting		Min. Edge Distance	Welded		Through Bolt		Tapped Bolt			Superimposed Loads				D.B.G. Up To			
								Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.		Slot Max O.C.	Heel and Toe Max O.C.	Slot Size	Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Min Thickness	Vx (+)	Vy (+)	Vx (-)		Vy (-)		
4'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	1/2	3 3/4	N/A		9	5/8	4 3/8	13	3/8	3 1/4	10	3/8	3 1/4	N/A		10	3/8	3 1/4	N/A	8	3/4	5 1/2	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	180	0	177	4'-5"
5'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	9	5/8	4 1/2	N/A		8	3/4	5 1/4	10	3/8	3 1/4	N/A		10	3/8	3 1/4	N/A	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	36	36	36	36	3/16	0	220	0	217	5'-5"		
6'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	15	3/4	5 1/2	N/A		N/A			9	3/8	3 1/4	N/A		12	1/2	4 1/4	N/A	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	36	36	36	36	3/16	0	260	0	257	6'-5"		
7'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	13	3/4	5 1/2	N/A		N/A			13	1/2	4 1/4	N/A		11	1/2	4 1/4	N/A	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	35	3/16	0	300	0	297	7'-5"					
8'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	11	3/4	5 1/2	N/A		N/A			11	1/2	4 1/4	N/A		9	1/2	4 1/4	N/A	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	31	3/16	0	340	0	337	8'-5"					
9'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	10	3/4	5 1/2	N/A		N/A			9	1/2	4 1/4	N/A		8	1/2	4 1/4	N/A	8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	33	27	3/16	0	380	0	377	9'-5"				
10'-5"	1 1/16	0.282	CP0629	344	12	3/8	18	9	5/8	4 1/2	N/A		8	3/4	5 1/4	10	3/8	3 1/4	N/A		10	3/8	3 1/4	N/A	8	3/8	5 3/4	30	36	7/16" x 5/8"	28	22	10	8	3/16	301	420	210	417	10'-5"						
11'-5"	1 5/16	0.469	CP0630	445	10	1/2	15	8	3/4	5 1/2	N/A		N/A			9	3/4	6 1/4	N/A		N/A		N/A	N/A	8	1/2	6 13/16	16	23	9/16" x 3/4"	22	16	8	5	1/4	984	498	933	498	11'-5"						
12'-5"	1 5/16	0.469	CP0630	445	10	1/2	15	8	3/4	5 1/2	N/A		N/A			9	3/4	6 1/4	N/A		N/A		N/A	N/A	8	1/2	6 13/16	16	23	9/16" x 3/4"	22	16	8	5	1/4	984	498	933	498	12'-5"						
13'-5"	1 3/8	0.531	CP0630	445	8	1/2	12	N/A			N/A		N/A			N/A			N/A		N/A		N/A	N/A	8	1/2	6 13/16	11	17	9/16" x 3/4"	14	9	5	N/A	1/4	1360	539	1315	539	13'-5"						
14'-5"	1 1/2	0.656	CP0630	446	8	5/8	16	N/A			N/A		N/A			N/A			N/A		N/A		N/A	N/A	8	5/8	6 7/8	12	18	11/16" x 7/8"	21	15	7	5	5/16	1548	578	1509	579	14'-5"						
15'-5"	1 5/8	0.781	CP0630 & CP0647	546	7	5/8	14	N/A			N/A		N/A			N/A			N/A		N/A		N/A	N/A	8	5/8	6 7/8	10	16	11/16" x 7/8"	19	13	6	5	5/16	1730	618	1697	619	15'-5"						
16'-5"	1 7/8	1.031	CP0630 & CP0647	546	7	5/8	14	N/A			N/A		N/A			N/A			N/A		N/A		N/A	N/A	8	5/8	6 7/8	11	17	11/16" x 7/8"	19	13	7	5	5/16	1723	656	1697	658	16'-5"						
17'-5"	2	1.156	CP0630 & CP0647	546	7	5/8	12	N/A			N/A		N/A			N/A			N/A		N/A		N/A	N/A	8	5/8	6 7/8	9	15	11/16" x 7/8"	16	11	6	N/A	5/16	1905	696	1882	697	17'-5"						
18'-5"	2 3/8	1.531	CP0630 & CP0647	548	7	3/4	18	N/A			N/A		N/A			N/A			N/A		N/A		N/A	N/A	8	3/4	7 1/2	17	19	7/8" x 1"	36	30	13	9	3/8	1840	735	1814	735	18'-5"						
19'-5"	2 1/2	1.656	CP0630 & CP0647	548	7	3/4	16	N/A			N/A		N/A			N/A			N/A		N/A		N/A	N/A	8	3/4	7 1/2	15	18	7/8" x 1"	35	27	12	9	3/8	2013	775	1990	775	19'-5"						
20'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	15	N/A			N/A		N/A			N/A			N/A		N/A		N/A	N/A	8	3/4	7 1/2	14	16	7/8" x 1"	31	22	11	8	3/8	2284	815	2261	815	20'-5"						
21'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	13	N/A			N/A		N/A			N/A			N/A		N/A		N/A	N/A	8	3/4	7 1/2	12	14	7/8" x 1"	27	19	9	7	3/8	2551	855	2529	855	21'-5"						
22'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	12	N/A			N/A		N/A			N/A			N/A		N/A		N/A	N/A	8	3/4	7 1/2	11	13	7/8" x 1"	24	17	9	6	3/8	2817	895	2795	896	22'-5"						
23'-5"	2 1/2	1.656	CP0630 & CP0647	DC6	5	3/4	11	N/A			N/A		N/A			N/A			N/A		N/A		N/A	N/A	8	3/4	9 1/4	10	11	7/8" x 1"	21	14	8	5	3/8	3081	935	3060	936	23'-5"						

CP0001/CP0651 - 0.0405_0.022 Minimum Thickness Galvanized or Stainless Steel - 80 PSF - Continued																																											
Concrete Minimum 4,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																																											
D.B.G. Up To	Guide Assembly	Simpson Strong-Bolt 2			Hilti Kwik Bolt 1			Powers Power-Stud+ SD1			Hilti Kwik Bolt T22			Hilti KH-EZ			ITW Redhead Trubolt			Hilti HVU2			Through Bolting - Carbon Steel Max O.C.		Through Bolting - Stainless Steel Max O.C.		Simpson Strong-Bolt 2 Stainless Steel			Powers Power-Stud+ SD4 Stainless Steel			Hilti Kwik Bolt T22 Stainless Steel			Hilti KH-EZ Stainless Steel			Simpson Titen HD Stainless Steel			Min. Edge Distance	D.B.G. Up To
		Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.						
4'-5"	344	N/A			19	2 3/8	4	18	2 3/8	3 3/4	19	2 1/2	4	24	2 1/2	4	16	2 1/4	4	27	3 1/2	4 3/4	36		28		N/A			16	1 7/8	3 1/4	18	2 1/2	4	26	2 1/2	4	26	2 1/2	4	5 3/4	4'-5"
5'-5"	344	N/A			17	2 3/8	4	16	2 3/8	3 3/4	17	2 1/2	4	22	2 1/2	4	13	2 1/4	4	22	3 1/2	4 3/4	30		23		N/A			15	1 7/8	3 1/4	17	2 1/2	4	23	2 1/2	4	23	2 1/2	4	5 3/4	5'-5"
6'-5"	344	N/A			15	2 3/8	4	14	2 3/8	3 3/4	15	2 1/2	4	20	2 1/2	4	11	2 1/4	4	19	3 1/2	4 3/4	25		20		N/A			13	1 7/8	3 1/4	15	2 1/2	4	21	2 1/2	4	22	2 1/2	4	5 3/4	6'-5"
7'-5"	344	N/A			14	2 3/8	4	12	2 3/8	3 3/4	14	2 1/2	4	19	2 1/2	4	9	2 1/4	4	16	3 1/2	4 3/4	22		17		N/A			12	1 7/8	3 1/4	14	2 1/2	4	20	2 1/2	4	20	2 1/2	4	5 3/4	7'-5"
8'-5"	344	N/A			12	2 3/8	4	11	2 3/8	3 3/4	13	2 1/2	4	17	2 1/2	4	8	2 1/4	4	14	3 1/2	4 3/4	19		15		N/A				N/A		13	2 1/2	4	5	2 1/2	4	19	2 1/2	4	5 3/4	8'-5"
9'-5"	344	N/A			11	2 3/8	4	5	2 3/8	4	13	2 1/2	4	17	2 1/2	4	5	2 1/4	4	13	3 1/2	4 3/4	17		13		N/A				N/A		12	2 1/2	4	5	2 1/2	4	18	3 1/4	5	5 3/4	9'-5"
10'-5"	344	N/A			13	2 3/8	4	14	2 3/8	3 3/4	15	2 1/2	4	19	2 1/2	4	11	2 1/4	4	17	3 1/2	4 3/4	30		23		N/A			8	1 7/8	3 1/4	15	2 1/2	4	21	2 1/2	4	21	2 1/2	4	5 3/4	10'-5"
11'-5"	445	14	3 7/8	6	9	3 5/8	6	10	3 3/4	6	9	3 3/4	5 1/2	17	4 1/4	6 3/4	11	4	6	15	4 1/4	5 1/2	36		31		12	3 7/8	6		N/A		13	3 3/4	5 1/2	10	4 1/4	6 3/4	7	4	6 1/4	6 13/16	11'-5"
12'-5"	445	14	3 7/8	6	9	3 5/8	6	10	3 3/4	6	9	3 3/4	5 1/2	17	4 1/4	6 3/4	11	4	6	15	4 1/4	5 1/2	36		31		12	3 7/8	6		N/A		13	3 3/4	5 1/2	10	4 1/4	6 3/4	7	4	6 1/4	6 13/16	12'-5"
13'-5"	445	10	3 7/8	6	6	3 5/8	6	8	3 3/4	6	6	3 3/4	5 1/2	9	4 1/4	6 3/4	8	4	6	10	4 1/4	5 1/2	28		19		9	3 7/8	6		N/A		8	3 3/4	5 1/2	8	4 1/4	6 3/4	7	4	6 1/4	6 13/16	13'-5"
14'-5"	446	15	5 1/8	7 7/8	9	4 1/2	6	8	4 5/8	7	9	4 1/2	6	11	5	7	N/A			12	5	6 1/4	36		33		11	5 1/8	7 7/8		N/A		8	4 1/2	6	N/A			10	5 1/2	8 1/2	6 7/8	14'-5"
15'-5"	546	10	5 1/8	7 7/8	7	4 1/2	6	7	4 5/8	7	7	4 1/2	6	10	5	7	N/A			10	5	6 1/4	36		28		9	5 1/8	7 7/8		N/A		7	4 1/2	6	N/A			9	5 1/2	8 1/2	6 7/8	15'-5"
16'-5"	546	10	5 1/8	7 7/8	7	4 1/2	6	6	4 5/8	7	7	4 1/2	6	10	5	7	N/A			10	5	6 1/4	36		27		9	5 1/8	7 7/8		N/A		7	4 1/2	6	N/A			9	5 1/2	8 1/2	6 7/8	16'-5"
17'-5"	546	9	5 1/8	7 7/8	5	4 1/2	6	5	4 5/8	7	5	4 1/2	6	8	5	7	N/A			6	5	6 1/4	33		23		8	5 1/8	7 7/8		N/A		5	4 1/2	6	N/A			8	5 1/2	8 1/2	6 7/8	17'-5"
18'-5"	548	13	5 3/4	8 3/4	9	5 1/2	8	N/A			11	5 1/2	8	18	6 1/4	8 1/8	N/A			14	6 5/8	7 7/8	36		36		17	5 3/4	8 3/4		N/A		10	5 1/2	8	N/A			24	6 1/4	10	7 1/2	18'-5"
19'-5"	548	12	5 3/4	8 3/4	8	5 1/2	8	N/A			9	5 1/2	8	11	6 1/4	8 1/8	N/A			13	6 5/8	7 7/8	36		36		12	5 3/4	8 3/4		N/A		9	5 1/2	8	N/A			11	6 1/4	10	7 1/2	19'-5"
20'-5"	648	10	5 3/4	8 3/4	5	5 1/2	8	N/A			7	5 1/2	8	9	6 1/4	8 1/8	N/A			9	6 5/8	7 7/8	36		36		10	5 3/4	8 3/4		N/A		6	5 1/2	8	N/A			9	6 1/4	10	7 1/2	20'-5"
21'-5"	648	8	5 3/4	8 3/4	N/A			N/A			5	5 1/2	8	8	6 1/4	8 1/8	N/A			N/A				36		30		8	5 3/4	8 3/4		N/A		N/A			7	6 1/4	10	7 1/2	21'-5"		
22'-5"	648	6	5 3/4	8 3/4	N/A			N/A			N/A			6	6 1/4	8 1/8	N/A			N/A				36		26		7	5 3/4	8 3/4		N/A		N/A			6	6 1/4	10	7 1/2	22'-5"		
23'-5"	DC6	10	5 3/4	8 3/4	7	5 1/2	8	N/A			9	5 1/2	8	9	6 1/4	8 1/8	N/A			10	6 5/8	7 7/8	36		35		10	5 3/4	8 3/4	8	4 1/2	6	8	5 1/2	8	N/A			9	6 1/4	10	9 1/4	23'-5"

L'TR	REVISION	DATE	BY	E.C.O.
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A	REVISED WINDLOAD TABLES	08/12/2026	KAD	2398

CP0001/CP0651 - 0.0405_0.022 Minimum Thickness Galvanized or Stainless Steel - 90 PSF																																												
Guide Construction								Filled CMU															Steel (Wall anchors are the same diameter as assembly fasteners)																					
D.B.G. Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Flat Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt TZ2 Carbon & Stainless Steel			Powers Power-Stud+ SD1			Simpson Strong-Bolt 2			Hilti KH-EZ			Simpson Strong-Tie Titen			Hilti KH-EZ Stainless Steel			Simpson Strong-Tie Titen Stainless Steel			Through Bolting		Min. Edge Distance	Welded		Through Bolt			Tapped Bolt			Superimposed Loads				D.B.G. Up To
								Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Max O.C.	Heel and Toe Max O.C.	Slot Size		Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Min Thickness	Vx (+)	Vy (+)	Vx (-)	Vy (-)				
4'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	9	5/8	4 1/2	N/A		8	5/8	4 3/8	11	3/8	3 1/4	N/A		11	3/8	3 1/4	N/A		8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	203	0	199	4'-5"			
5'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	5/8	4 1/2	N/A		N/A			9	3/8	3 1/4	N/A		9	3/8	3 1/4	N/A		8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	248	0	244	5'-5"			
6'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	13	3/4	5 1/2	N/A		N/A			8	3/8	3 1/4	N/A		11	1/2	4 1/4	N/A		8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	293	0	289	6'-5"			
7'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	11	3/4	5 1/2	N/A		N/A			11	1/2	4 1/4	N/A		9	1/2	4 1/4	N/A		8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	31	3/16	0	338	0	334	7'-5"			
8'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	10	3/4	5 1/2	N/A		N/A			9	1/2	4 1/4	N/A		8	1/2	4 1/4	N/A		8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	33	27	3/16	0	383	0	379	8'-5"			
10'-5"	1 1/16	0.282	CP0629	344	12	3/8	12	10	3/4	5 1/2	N/A		N/A			9	1/2	4 1/4	N/A		8	1/2	4 1/4	N/A		8	3/8	5 3/4	15	23	7/16" x 5/8"	14	9	5	N/A	3/16	629	473	534	470	10'-5"			
11'-5"	1 3/16	0.344	CP0630	445	9	1/2	14		N/A		N/A		N/A			N/A			N/A		N/A			N/A		8	1/2	6 13/16	14	19	9/16" x 3/4"	19	13	7	5	1/4	1108	516	1041	516	11'-5"			
12'-5"	1 5/16	0.469	CP0630	445	9	1/2	12		N/A		N/A		N/A			N/A			N/A		N/A			N/A		8	1/2	6 13/16	12	17	9/16" x 3/4"	15	10	6	N/A	1/4	1314	561	1259	561	12'-5"			
13'-5"	1 3/8	0.531	CP0630 & CP0647	546	7	5/8	15		N/A		N/A		N/A			N/A			N/A		N/A			N/A		8	5/8	6 7/8	11	16	11/16" x 7/8"	19	13	7	5	5/16	1707	606	1658	607	13'-5"			
14'-5"	1 1/2	0.656	CP0630 & CP0647	546	7	5/8	14		N/A		N/A		N/A			N/A			N/A		N/A			N/A		8	5/8	6 7/8	10	15	11/16" x 7/8"	16	11	6	N/A	5/16	1894	651	1851	652	14'-5"			
15'-5"	1 5/8	0.781	CP0630 & CP0647	546	7	5/8	12		N/A		N/A		N/A			N/A			N/A		N/A			N/A		8	5/8	6 7/8	9	14	11/16" x 7/8"	14	10	5	N/A	5/16	2079	695	2043	697	15'-5"			
16'-5"	1 7/8	1.031	CP0630 & CP0647	548	7	3/4	17		N/A		N/A		N/A			N/A			N/A		N/A			N/A		8	3/4	7 1/2	15	17	7/8" x 1"	34	26	12	8	3/8	2071	740	2027	740	16'-5"			
17'-5"	2 1/8	1.281	CP0630 & CP0647	548	7	3/4	16		N/A		N/A		N/A			N/A			N/A		N/A			N/A		8	3/4	7 1/2	15	17	7/8" x 1"	34	25	12	8	3/8	2103	784	2067	784	17'-5"			
18'-5"	2 3/8	1.531	CP0630 & CP0647	548	7	3/4	15		N/A		N/A		N/A			N/A			N/A		N/A			N/A		8	3/4	7 1/2	14	16	7/8" x 1"	33	24	11	8	3/8	2162	827	2133	827	18'-5"			
19'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	14		N/A		N/A		N/A			N/A			N/A		N/A			N/A		8	3/4	7 1/2	13	15	7/8" x 1"	30	22	10	7	3/8	2347	872	2321	872	19'-5"			
20'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	13		N/A		N/A		N/A			N/A			N/A		N/A			N/A		8	3/4	7 1/2	12	13	7/8" x 1"	26	18	9	6	3/8	2644	917	2619	917	20'-5"			
21'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	12		N/A		N/A		N/A			N/A			N/A		N/A			N/A		8	3/4	7 1/2	11	12	7/8" x 1"	23	16	8	6	3/8	2938	962	2913	962	21'-5"			

CP0001/CP0651 - 0.0405_0.022 Minimum Thickness Galvanized or Stainless Steel - 90 PSF - Continued																																											
Concrete Minimum 4,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																																											
D.B.G. Up To	Guide Assembly	Simpson Strong-Bolt 2			Hilti Kwik Bolt 1			Powers Power-Stud+ SD1			Hilti Kwik Bolt TZ2			Hilti KH-EZ			ITW Redhead Trubolt			Hilti HVU2			Through Bolting - Carbon Steel Max O.C.	Through Bolting - Stainless Steel Max O.C.	Simpson Strong-Bolt 2 Stainless Steel			Powers Power-Stud+ SD4 Stainless Steel			Hilti Kwik Bolt TZ2 Stainless Steel			Hilti KH-EZ Stainless Steel			Simpson Titen HD Stainless Steel			Min. Edge Distance	D.B.G. Up To		
		Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.			Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.				
4'-5"	344	N/A			17	2 3/8	4	17	2 3/8	3 3/4	18	2 1/2	4	23	2 1/2	4	14	2 1/4	4	24	3 1/2	4 3/4	33		25	N/A			15	1 7/8	3 1/4	17	2 1/2	4	24	2 1/2	4	25	2 1/2	4	5 3/4	4'-5"	
5'-5"	344	N/A			16	2 3/8	4	15	2 3/8	3 3/4	16	2 1/2	4	21	2 1/2	4	11	2 1/4	4	20	3 1/2	4 3/4	27		21	N/A			14	1 7/8	3 1/4	16	2 1/2	4	22	2 1/2	4	22	2 1/2	4	5 3/4	5'-5"	
6'-5"	344	N/A			14	2 3/8	4	13	2 3/8	3 3/4	15	2 1/2	4	19	2 1/2	4	9	2 1/4	4	17	3 1/2	4 3/4	22		17	N/A			13	1 7/8	3 1/4	14	2 1/2	4	20	2 1/2	4	20	2 1/2	4	5 3/4	6'-5"	
7'-5"	344	N/A			12	2 3/8	4	11	2 3/8	3 3/4	14	2 1/2	4	18	2 1/2	4	8	2 1/4	4	14	3 1/2	4 3/4	19		15	N/A				N/A		13	2 1/2	4	5	2 1/2	4	19	2 1/2	4	5 3/4	7'-5"	
8'-5"	344	N/A			11	2 3/8	4	5	2 3/8	4	13	2 1/2	4	16	2 1/2	4	5	2 1/4	4	13	3 1/2	4 3/4	17		13	N/A				N/A		12	2 1/2	4	5	2 1/2	4	18	3 1/4	5	5 3/4	8'-5"	
10'-5"	344	N/A			5	2 3/8	4	5	2 3/8	4	5	2 1/2	4	5	2 1/2	4	5	2 1/4	4	11	3 1/2	4 3/4	31		22	N/A				N/A		5	2 1/2	4	5	2 1/2	4	6	3 1/4	5	5 3/4	10'-5"	
11'-5"	445	10	3 7/8	6	8	3 5/8	6	9	3 3/4	6	8	3 3/4	5 1/2	16	4 1/4	6 3/4	9	4	6	13	4 1/4	5 1/2	36		27	10	3 7/8	6		N/A		9	3 3/4	5 1/2	9	4 1/4	6 3/4	7	4	6 1/4	6 13/16	11'-5"	
12'-5"	445	10	3 7/8	6	6	3 5/8	6	8	3 3/4	6	6	3 3/4	5 1/2	9	4 1/4	6 3/4	8		6	10	4 1/4	5 1/2	30		20	9	3 7/8	6		N/A		9	3 3/4	5 1/2	8	4 1/4	6 3/4	7	4	6 1/4	6 13/16	12'-5"	
13'-5"	546	10	5 1/8	7 7/8	7	4 1/2	6	7	4 5/8	7	7	4 1/2	6	10	5	7			N/A		10	5	6 1/4	36		29	9	5 1/8	7 7/8		N/A		7	4 1/2	6		N/A		9	5 1/2	8 1/2	6 7/8	13'-5"
14'-5"	546	9	5 1/8	7 7/8	5	4 1/2	6	5	4 5/8	7	5	4 1/2	6	9	5	7			N/A		6	5	6 1/4	36		25	8	5 1/8	7 7/8		N/A		5	4 1/2	6		N/A		8	5 1/2	8 1/2	6 7/8	14'-5"
15'-5"	546	7	5 1/8	7 7/8		N/A			N/A			N/A		7	5	7			N/A			N/A		31		21		N/A			N/A			N/A		6	5 1/2	8 1/2	6 7/8	15'-5"			
16'-5"	548	11	5 3/4	8 3/4	8	5 1/2	8		N/A		9	5 1/2	8	11	6 1/4	8 1/8			N/A		13	6 5/8	7 7/8	36		36	12	5 3/4	8 3/4		N/A		8	5 1/2	8		N/A		11	6 1/4	10	7 1/2	16'-5"
17'-5"	548	11	5 3/4	8 3/4	7	5 1/2	8		N/A		9	5 1/2	8	11	6 1/4	8 1/8			N/A		12	6 5/8	7 7/8	36		36	11	5 3/4	8 3/4		N/A		8	5 1/2	8		N/A		10	6 1/4	10	7 1/2	17'-5"
18'-5"	548	10	5 3/4	8 3/4	6	5 1/2	8		N/A		8	5 1/2	8	10	6 1/4	8 1/8			N/A		11	6 5/8	7 7/8	36		36	11	5 3/4	8 3/4		N/A		7	5 1/2	8		N/A		10	6 1/4	10	7 1/2	18'-5"
19'-5"	648	9	5 3/4	8 3/4	5	5 1/2	8		N/A		7	5 1/2	8	9	6 1/4	8 1/8			N/A		8	6 5/8	7 7/8	36		33	10	5 3/4	8 3/4		N/A		6	5 1/2	8		N/A		9	6 1/4	10	7 1/2	19'-5"
20'-5"	648	7	5 3/4	8 3/4		N/A			N/A		5	5 1/2	8	7	6 1/4	8 1/8			N/A			N/A		36		28	8	5 3/4	8 3/4		N/A			N/A			N/A		7	6 1/4	10	7 1/2	20'-5"
21'-5"	648	5	5 3/4	8 3/4		N/A			N/A			N/A		5	6 1/4	8 1/8			N/A			N/A		35		24		N/A			N/A			N/A			N/A		5	6 1/4	10	7 1/2	21'-5"

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	11/26/2025	KAD	2398
A	REVISED WINDLOAD TABLES	08/12/2026	KAD	2398

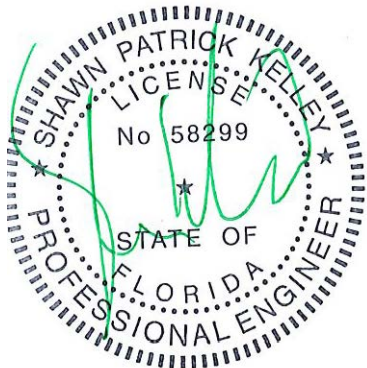
Guide Construction										CP0001/CP0651 - 0.0405_0.022 Minimum Thickness Galvanized or Stainless Steel - 100 PSF																										Steel (Wall anchors are the same diameter as assembly fasteners)													
D.B.G. Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Flat Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt T2Z Carbon & Stainless Steel			Powers Power-Stud+ SD1			Simpson Strong-Bolt 2			Hilti KH-EZ			Simpson Strong-Tie Titen			Hilti KH-EZ Stainless Steel			Simpson Strong-Tie Titen Stainless Steel			Through Bolting		Min. Edge Distance	Welded		Through Bolt			Tapped Bolt			Superimposed Loads				D.B.G. Up To					
								Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.		Slot Max O.C.	Heel and Toe Max O.C.	Slot Size	Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Min Thickness	Vx (+)	Vy (+)	Vx (-)	Vy (-)						
4'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	5/8	4 1/2	N/A		8	3/4	5 1/4	10	3/8	3 1/4	N/A			10	3/8	3 1/4	N/A			8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	225	0	221	4'-5"						
5'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	14	3/4	5 1/2	N/A		N/A			8	3/8	3 1/4	N/A			12	1/2	4 1/4	N/A			8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	275	0	271	5'-5"						
6'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	12	3/4	5 1/2	N/A		N/A			12	1/2	4 1/4	N/A			9	1/2	4 1/4	N/A			8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	32	3/16	0	325	0	321	6'-5"						
7'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	10	3/4	5 1/2	N/A		N/A			9	1/2	4 1/4	N/A			8	1/2	4 1/4	N/A			8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	34	28	3/16	0	375	0	371	7'-5"						
8'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	9	3/4	5 1/2	N/A		N/A			9	1/2	4 1/4	N/A			N/A			N/A			8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	30	25	3/16	0	425	0	421	8'-5"						
11'-5"	1 3/16	0.344	CP0630	445	8	1/2	11	N/A			N/A		N/A			N/A			N/A			N/A			N/A			8	1/2	6 13/16	11	15	9/16" x 3/4"	13	8	5	N/A	1/4	1450	574	1377	574	11'-5"						
12'-5"	1 5/16	0.469	CP0630	446	8	5/8	16	N/A			N/A		N/A			N/A			N/A			N/A			N/A			8	5/8	6 7/8	11	16	11/16" x 7/8"	20	14	7	5	5/16	1644	624	1585	624	12'-5"						
13'-5"	1 3/8	0.531	CP0630 & CP0647	546	7	5/8	13	N/A			N/A		N/A			N/A			N/A			N/A			N/A			8	5/8	6 7/8	9	13	11/16" x 7/8"	15	10	5	N/A	5/16	2054	674	2001	675	13'-5"						
14'-5"	1 1/2	0.656	CP0630 & CP0647	548	6	3/4	17	N/A			N/A		N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	14	15	7/8" x 1"	31	23	11	8	3/8	2261	725	2195	725	14'-5"						
15'-5"	1 3/4	0.906	CP0630 & CP0647	548	7	3/4	17	N/A			N/A		N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	14	16	7/8" x 1"	32	24	11	8	3/8	2192	774	2139	773	15'-5"						
16'-5"	1 7/8	1.031	CP0630 & CP0647	548	6	3/4	15	N/A			N/A		N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	13	15	7/8" x 1"	29	21	10	7	3/8	2404	823	2357	823	16'-5"						
17'-5"	2	1.156	CP0630 & CP0647	648	6	3/4	14	N/A			N/A		N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	12	13	7/8" x 1"	27	19	9	7	3/8	2604	872	2563	872	17'-5"						
18'-5"	2 1/4	1.406	CP0630 & CP0647	648	6	3/4	13	N/A			N/A		N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	12	13	7/8" x 1"	26	18	9	6	3/8	2629	920	2595	921	18'-5"						
19'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	12	N/A			N/A		N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	12	13	7/8" x 1"	26	18	9	6	3/8	2681	968	2653	969	19'-5"						
20'-5"	2 1/2	1.656	CP0630 & CP0647	648	6	3/4	11	N/A			N/A		N/A			N/A			N/A			N/A			N/A			8	3/4	7 1/2	10	12	7/8" x 1"	22	15	8	6	3/8	3004	1019	2977	1019	20'-5"						

CP0001/CP0651 - 0.0405_0.022 Minimum Thickness Galvanized or Stainless Steel - 100 PSF - Continued																																													
Concrete Minimum 4,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																																													
D.B.G. Up To	Guide Assembly	Simpson Strong-Bolt 2			Hilti Kwik Bolt 1			Powers Power-Stud+ SD1			Hilti Kwik Bolt T2Z			Hilti KH-EZ			ITW Redhead Trubolt			Hilti HVU2			Through Bolting - Carbon Steel Max O.C.	Through Bolting - Stainless Steel Max O.C.	Simpson Strong-Bolt 2 Stainless Steel			Powers Power-Stud+ SD4 Stainless Steel			Hilti Kwik Bolt T2Z Stainless Steel			Hilti KH-EZ Stainless Steel			Simpson Titen HD Stainless Steel			Min. Edge Distance	D.B.G. Up To				
		Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.			Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.									
4'-5"	344	N/A			17	2 3/8	4	16	2 3/8	3 3/4	17	2 1/2	4	22	2 1/2	4	12	2 1/4	4	22	3 1/2	4 3/4	29		23	N/A			14	1 7/8	3 1/4	16	2 1/2	4	23	2 1/2	4	23	2 1/2	4	5 3/4	4'-5"			
5'-5"	344	N/A			15	2 3/8	4	13	2 3/8	3 3/4	15	2 1/2	4	19	2 1/2	4	10	2 1/4	4	18	3 1/2	4 3/4	24		18	N/A			13	1 7/8	3 1/4	15	2 1/2	4	21	2 1/2	4	21	2 1/2	4	5 3/4	5'-5"			
6'-5"	344	N/A			13	2 3/8	4	11	2 3/8	3 3/4	14	2 1/2	4	18	2 1/2	4	8	2 1/4	4	15	3 1/2	4 3/4	20		16	N/A				N/A		14	2 1/2	4	19	2 1/2	4	19	2 1/2	4	5 3/4	6'-5"			
7'-5"	344	N/A			11	2 3/8	4	5	2 3/8	4	13	2 1/2	4	17	2 1/2	4	5	2 1/4	4	13	3 1/2	4 3/4	17		13	N/A				N/A		13	2 1/2	4	5	2 1/2	4	18	3 1/4	5	5 3/4	7'-5"			
8'-5"	344	N/A			5	2 3/8	4	5	2 3/8	4	5	2 1/2	4	16	2 1/2	4	5	2 1/4	4	11	3 1/2	4 3/4	15		12	N/A				N/A		5	2 1/2	4	5	2 1/2	4	6	3 1/4	5	5 3/4	8'-5"			
11'-5"	445	8	3 7/8	6	N/A			7	3 3/4	6	5	3	5	9	4 1/4	6 3/4	7	4	6	5	4 1/4	5 1/2	27		18	8	3 7/8	6	N/A				N/A		7	3 3/4	5 1/2	7	4 1/4	6 3/4	6	4	6 1/4	6 13/16	11'-5"
12'-5"	446	10	5 1/8	7 7/8	7	4 1/2	6	7	4 5/8	7	7	4 1/2	6	10	5	7	N/A			10	5	6 1/4	36		31	9	5 1/8	7 7/8	N/A				N/A		7	4 1/2	6	N/A			9	5 1/2	8 1/2	6 7/8	12'-5"
13'-5"	546	7	5 1/8	7 7/8	N/A			N/A			7	5	7	N/A			N/A			7	5	7	32		22	N/A				N/A		N/A				N/A		6	5 1/2	8 1/2	6 7/8	13'-5"			
14'-5"	548	10	5 3/4	8 3/4	6	5 1/2	8	N/A			8	5 1/2	8	10	6 1/4	8 1/8	N/A			10	6 5/8	7 7/8	36		36	11	5 3/4	8 3/4	N/A				N/A		7	5 1/2	8	N/A			9	6 1/4	10	7 1/2	14'-5"
15'-5"	548	10	5 3/4	8 3/4	6	5 1/2	8	N/A			8	5 1/2	8	10	6 1/4	8 1/8	N/A			11	6 5/8	7 7/8	36		36	11	5 3/4	8 3/4	N/A				N/A		7	5 1/2	8	N/A			10	6 1/4	10	7 1/2	15'-5"
16'-5"	548	9	5 3/4	8 3/4	5	5 1/2	8	N/A			7	5 1/2	8	9	6 1/4	8 1/8	N/A			7	6 5/8	7 7/8	36		34	9	5 3/4	8 3/4	N/A				N/A		6	5 1/2	8	N/A			8	6 1/4	10	7 1/2	16'-5"
17'-5"	648	8	5 3/4	8 3/4	N/A			N/A			5	5 1/2	8	7	6 1/4	8 1/8	N/A			N/A			36				30	8	5 3/4	8 3/4	N/A				N/A		7	6 1/4	10	7 1/2	17'-5"				
18'-5"	648	7	5 3/4	8 3/4	N/A			N/A			5	5 1/2	8	7	6 1/4	8 1/8	N/A			N/A			36				29	8	5 3/4	8 3/4	N/A				N/A		7	6 1/4	10	7 1/2	18'-5"				
19'-5"	648	7	5 3/4	8 3/4	N/A			N/A			N/A			6	6 1/4	8 1/8	N/A			N/A			36				27	7	5 3/4	8 3/4	N/A				N/A		6	6 1/4	10	7 1/2	19'-5"				
20'-5"	648	5	5 3/4	8 3/4	N/A			N/A			N/A			N/A			N/A			N/A			34				23	N/A				N/A		N/A				N/A		7	1/2	20'-5"			

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A	REVISED WINDLOAD TABLES	08/12/2026	KAD	2398

CP0001/CP0651 - 0.0405_0.022 Minimum Thickness Galvanized or Stainless Steel - 120 PSF																																												
Guide Construction								Filled CMU												Steel (Wall anchors are the same diameter as assembly fasteners)																								
D.B.G. Up To	Windlock Flat Location	Slip	Windlock	Guide Assembly	Windlock Flat Weld Pitch	Assembly Fastener Diameter	Assembly Fastener Spacing	Hilti Kwik Bolt TZ2 Carbon & Stainless Steel			Powers Power-Stud+ SD1			Simpson Strong-Bolt 2			Hilti KH-EZ			Simpson Strong-Tie Titan			Hilti KH-EZ Stainless Steel			Simpson Strong-Tie Titan Stainless Steel			Through Bolting		Min. Edge Distance	Welded		Through Bolt			Tapped Bolt			Superimposed Loads				D.B.G. Up To
								Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Embed	Max O.C.	Dia.	Slot Max O.C.	Heel and Toe Max O.C.	Slot Size		Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Carbon Steel - Max O.C.	Stainless Steel - Max O.C.	Min Thickness	Vx (+)	Vy (+)	Vx (-)	Vy (-)				
4'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	14	3/4	5 1/2	N/A		N/A	8	3/8	3 1/4	N/A	12	1/2	4 1/4	N/A		8	3/8	5 3/4	36	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	36	36	3/16	0	270	0	265	4'-5"			
5'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	12	3/4	5 1/2	N/A		N/A	12	1/2	4 1/4	N/A	9	1/2	4 1/4	N/A		8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	7/16" x 5/8"	36	36	36	32	3/16	0	330	0	325	5'-5"			
6'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	10	3/4	5 1/2	N/A		N/A	9	1/2	4 1/4	N/A	8	1/2	4 1/4	N/A		8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	7/16" x 5/8"	36	36	32	27	3/16	0	390	0	385	6'-5"			
7'-5"	1 1/2	0.719	CP0629	344	12	3/8	18	8	3/4	5 1/2	N/A		N/A	8	1/2	4 1/4	N/A				N/A		8	3/8	5 3/4	36	36	7/16" x 5/8"	36	36	7/16" x 5/8"	36	36	28	23	3/16	0	450	0	445	7'-5"			
11'-5"	1 3/16	0.344	CP0630 & CP0647	546	7	5/8	13			N/A	N/A		N/A			N/A	N/A	N/A	N/A	N/A	N/A		8	5/8	6 7/8	8	12	11/16" x 7/8"	14		9	5	N/A	5/16	2134	690	2051	691	11'-5"					
12'-5"	1 1/4	0.406	CP0630 & CP0647	548	6	3/4	16			N/A	N/A		N/A			N/A	N/A	N/A	N/A	N/A	N/A		8	3/4	7 1/2	12	13	7/8" x 1"	26		18	9	7	3/8	2635	753	2530	752	12'-5"					
13'-5"	1 3/8	0.531	CP0630 & CP0647	548	6	3/4	15			N/A	N/A		N/A			N/A	N/A	N/A	N/A	N/A	N/A		8	3/4	7 1/2	11	12	7/8" x 1"	25		17	9	6	3/8	2776	812	2688	811	13'-5"					
14'-5"	1 3/8	0.531	CP0630 & CP0647	DC6	5	3/4	12			N/A	N/A		N/A			N/A	N/A	N/A	N/A	N/A	N/A		8	3/4	9 1/4	9	10	7/8" x 1"	18		12	7	5	3/8	3431	873	3346	873	14'-5"					

CP0001/CP0651 - 0.0405_0.022 Minimum Thickness Galvanized or Stainless Steel - 120 PSF - Continued																																									
Concrete Minimum 4,000 PSI Compressive Strength (Anchors are the same diameter as assembly fasteners)																																									
D.B.G. Up To	Guide Assembly	Simpson Strong-Bolt 2			Hilti Kwik Bolt 1			Powers Power-Stud+ SD1			Hilti Kwik Bolt TZ2			Hilti KH-EZ			ITW Redhead Trubolt			Hilti HVU2			Through Bolting - Carbon Steel Max O.C.	Through Bolting - Stainless Steel Max O.C.	Simpson Strong-Bolt 2 Stainless Steel			Powers Power-Stud+ SD4 Stainless Steel			Hilti Kwik Bolt TZ2 Stainless Steel			Hilti KH-EZ Stainless Steel			Simpson Titen HD Stainless Steel			Min. Edge Distance	D.B.G. Up To
		Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.			Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.	Max O.C.	Embed	Min. Wall Thick.		
4'-5"	344	N/A			15	2 3/8	4	14	2 3/8	3 3/4	15	2 1/2	4	20	2 1/2	4	10	2 1/4	4	18	3 1/2	4 3/4	24	19	N/A			13	1 7/8	3 1/4	15	2 1/2	4	21	2 1/2	4	21	2 1/2	4	5 3/4	4'-5"
5'-5"	344	N/A			12	2 3/8	4	11	2 3/8	3 3/4	14	2 1/2	4	18	2 1/2	4	8	2 1/4	4	15	3 1/2	4 3/4	20	15	N/A			N/A			13	2 1/2	4	5	2 1/2	4	19	2 1/2	4	5 3/4	5'-5"
6'-5"	344	N/A			10	2 3/8	4	5	2 3/8	4	13	2 1/2	4	16	2 1/2	4	5	2 1/4	4	12	3 1/2	4 3/4	17	13	N/A			N/A			12	2 1/2	4	5	2 1/2	4	18	3 1/4	5	5 3/4	6'-5"
7'-5"	344	N/A			5	2 3/8	4	5	2 3/8	4	5	2 1/2	4	5	2 1/2	4	5	2 1/4	4	11	3 1/2	4 3/4	14	11	N/A			N/A			5	2 1/2	4	5	2 1/2	4	6	3 1/4	5	5 3/4	7'-5"
11'-5"	546	6	5 1/8	7 7/8	N/A			N/A			N/A			6	5	7	N/A			N/A			31	21	N/A			N/A			N/A			N/A			5	5 1/2	8 1/2	6 7/8	11'-5"
12'-5"	548	7	5 3/4	8 3/4	N/A			N/A			N/A			5	5 1/2	8	7	6 1/4	8 1/8	N/A			36	33	8	5 3/4	8 3/4	N/A			N/A			N/A			7	6 1/4	10	7 1/2	12'-5"
13'-5"	548	6	5 3/4	8 3/4	N/A			N/A			N/A			6	6 1/4	8 1/8	N/A			N/A			36	30	7	5 3/4	8 3/4	N/A			N/A			N/A			6	6 1/4	10	7 1/2	13'-5"
14'-5"	DC6	8	5 3/4	8 3/4	5	5 1/2	8	N/A			N/A			7	5 1/2	8	7	6 1/4	8 1/8	N/A			36	33	9	5 3/4	8 3/4	6	4 1/2	6	6	5 1/2	8	N/A			7	6 1/4	10	9 1/4	14'-5"



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

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

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

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

DRAWN BY: KAD
SIZE: B
SCALE: AS NOTED
SHEET: 37/37
DWG NO: ES-16-138-CIW

REVIEWED FOR SPECIFIED DOOR COMPONENTS ONLY, EXISTING STRUCTURE NOT ANALYZED