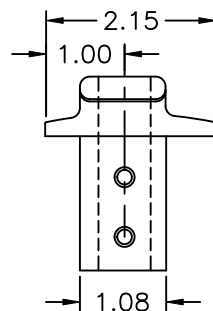
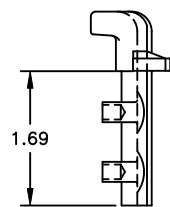
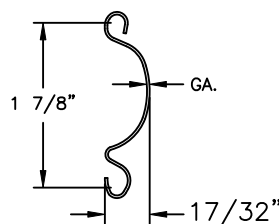
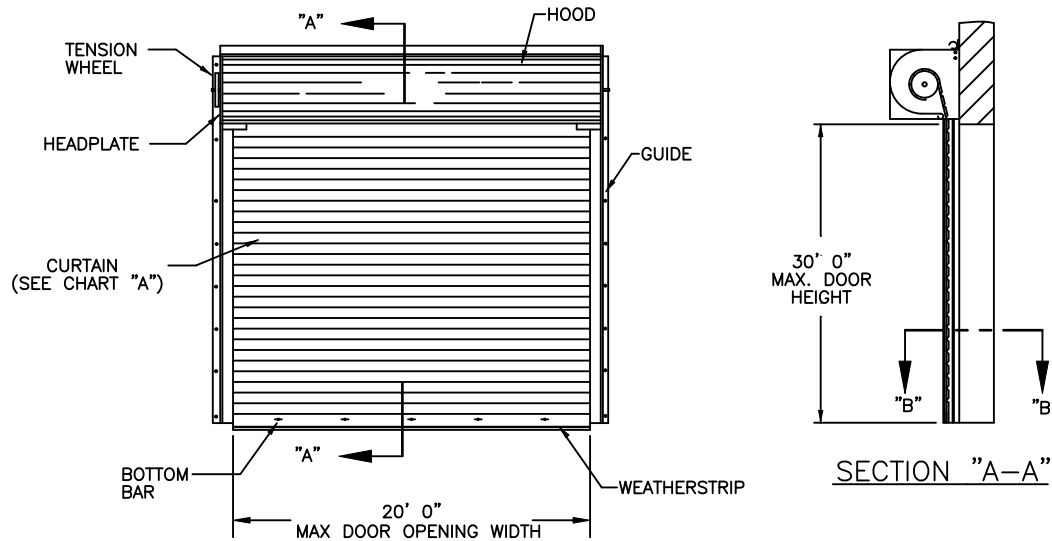
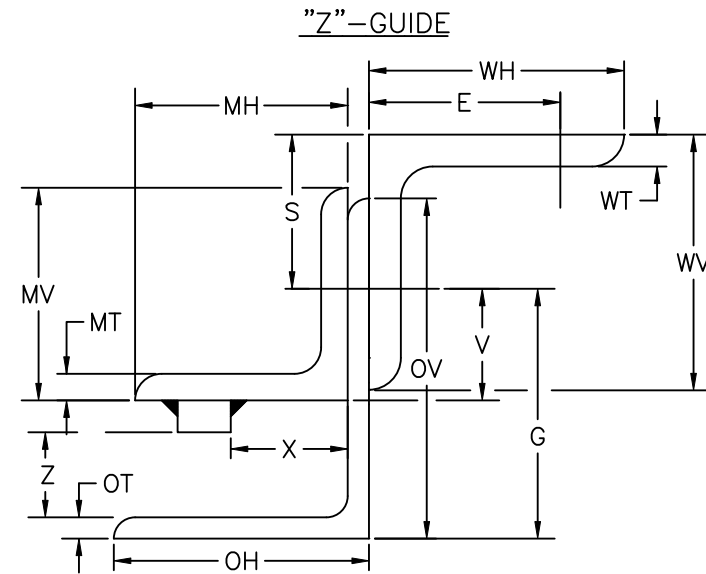
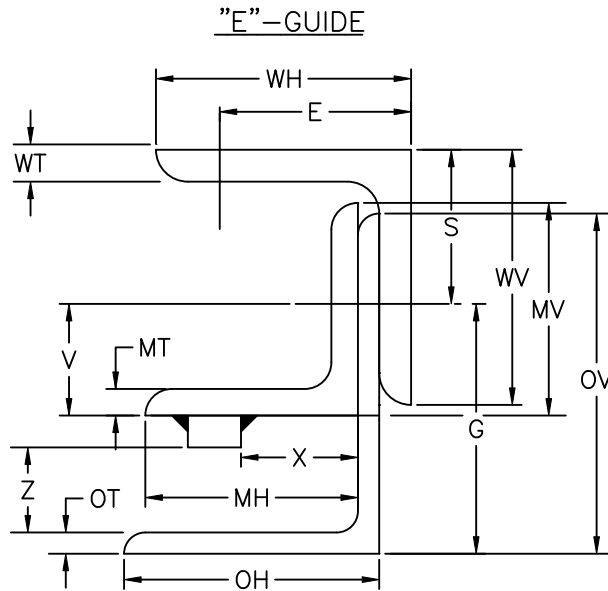
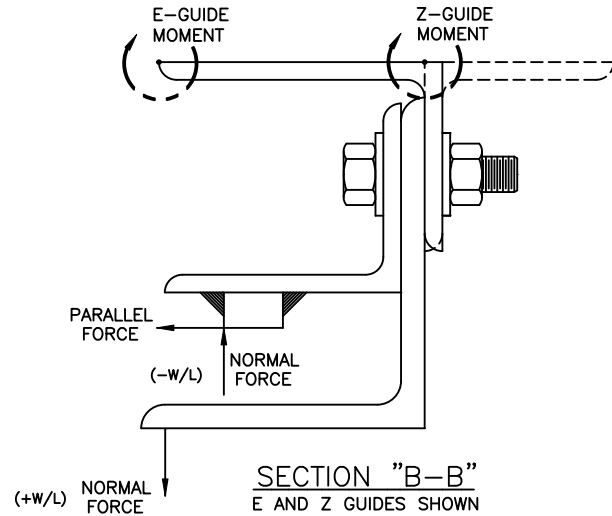
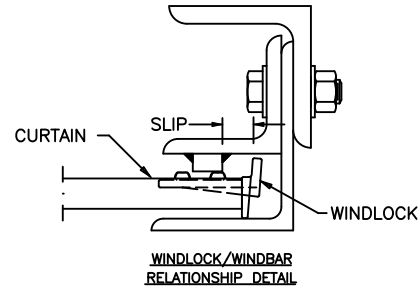


- NOTES
- DESIGNED AND TESTED IN ACCORDANCE WITH FLORIDA BLDG CODE AND INTERNATIONAL BLDG CODE. PROFESSIONAL ENGINEER'S SEAL PROVIDED ONLY FOR VERIFICATION OF WIND LOAD CONSTRUCTION DETAILS.
 - SPACING IS THE CENTER TO CENTER DIMENSION.
 - INDICATES SLAT FREQUENCY IN WHICH WINDLOCKS OCCUR.
 - WALL ANGLES MAY BE WELDED TO STEEL JAMBS. APPLY PLUG WELDS IN THE WALL ANGLE SLOTS THE THICKNESS OF THE ANGLE OR FILLET WELD AT THE HEEL AND TOE OF THE WALL ANGLE 2" LONG AT EACH SPECIFIED BOLT LOCATION TO HOLD THE LOADS LISTED IN THE GUIDE TABLE.
 - "E" GUIDE DOORS HAVE THREE WALL FASTENER LENGTHS, THEY ARE:
 - 3/8" DIA(GRADE 2) = 1" LONG WALL BOLT
 - 3/8" DIA(GRADE 5) = 1-1/2" LONG WALL BOLT
 - 1/2" DIA = 1-1/2" LONG WALL BOLT

- ASTM-A36 GUIDE ANGLE MATERIAL.
- DOORS AT 6'-6" WIDE WILL HAVE NO WINDBAR.
- REFERENCE C-187 SLAT DRAWING 307225.
- DOOR OPENINGS 15'-4" AND LESS USE 22GA SLATS
DOOR OPENINGS OVER 15'-4" USE 20GA SLATS
- THE ANCHOR USED TO ATTACH THE Z-GUIDE TO THE CONCRETE JAMB ARE FOR HILTI KBT22 (P/N 609420-XXXX) OR EQUIVALENT. THE JAMB MINIMUM STRENGTH AND THICKNESS TO SUPPORT THE ANCHOR MUST SATISFY THE TABLE:

ANCHOR DIAMETER	ANCHOR EMBEDMENT	CONCRETE STRENGTH	CONCRETE THICKNESS
3/8"	All	3000PSI MIN	6" MIN
1/2"	4" MIN	3000PSI MIN	7.5" MIN
1/2"	5" MIN	3000PSI MIN	9" MIN
5/8"	5-1/2" MIN	4000PSI MIN	9" MIN
5/8"	6" MIN	4000PSI MIN	12" MIN



		E-GUIDE								Z-GUIDE								NOTES
		WIND PRESSURE								WIND PRESSURE								
DOOR OPENING WIDTH		6'-6"	12'	15'	20'	25'	30'	35'	40'	11'-3"	15'	20'	25'	30'	35'	40'		
WALL HORIZONTAL	WH	2-1/2	3	3-1/2	3-1/2	N/A				3	3-1/2	3-1/2	N/A					
WALL VERTICAL	WV	3	2	2-1/2	2-1/2					2	2-1/2	2-1/2						
WALL THICKNESS	WT	3/16	3/16	1/4	1/4					3/16	1/4	1/4						
MIDDLE HORIZONTAL	MH	2	2-1/2	3	3					2-1/2	3	3						
MIDDLE VERTICAL	MV	2	2	2	2					2	2	2						
MIDDLE THICKNESS	MT	3/16	3/16	3/16	3/16					3/16	3/16	3/16						
OUTSIDE HORIZONTAL	OH	2-1/2	3	3-1/2	3-1/2					3	3-1/2	3-1/2						
OUTSIDE VERTICAL	OV	3	3-1/2	3-1/2	3-1/2					3-1/2	3-1/2	3-1/2						
OUTSIDE THICKNESS	OT	3/16	1/4	1/4	1/4					1/4	1/4	1/4						
E	E	1-3/4	2-1/4	2-1/4	2-1/4					2-1/4	2-3/4	2-3/4						
S	S	2-1/4	1-3/16	1-3/4	1-3/4					1-3/16	1-3/4	1-3/4						
V	V	1-1/4	1-1/4	1-5/16	1-5/16					1-1/4	1-5/16	1-5/16						
G	G	2-1/4	2-11/16	2-3/4	2-3/4					2-11/16	2-3/4	2-3/4						
X	X	NONE	1-1/4	1-1/4	2-1/8					1-1/4	1-1/4	2-1/8						
Z	Z	NONE	13/16	13/16	13/16					13/16	13/16	13/16						
SLIP		NONE	1/2	5/8	1-1/2					1/2	5/8	1-1/2						
WALL BOLT SIZE		3/8	3/8	3/8	3/8					3/8	1/2	1/2						
WALL BOLT GRADE		2	2	2	5					N/A	N/A	N/A						
WALL BOLT EMBED		N/A	N/A	N/A	N/A					2-1/2	4	4						
WALL BOLT SPACING		36	18	13	15					18	16	16						
ASSEMBLY BOLT SIZE		3/8	3/8	1/2	1/2					3/8	1/2	1/2						
ASSEMBLY BOLT GRADE		2	5	5	5					2	5	5						
ASSEMBLY BOLT SPACING		36	18	18	15					18	18	16						
WINDLOCK FREQUENCY		0	2	2	2					2	2	2						
MOMENT(IN*LBS/FT)		219	1799	3170	3762					1461	3121	3697						
NORMAL (LBS/FT)		85	156	195	260					146	195	260						
PARALLEL (LBS/FT)		0	511	787	848					409	787	848						

Digitally signed by John E Scates
Date: 2023.09.26 17:43:48 -05'00'

REVISIONS

EN/ER	REV	DESCRIPTION	DATE	APPROVAL
500149	H	REVISE PER ER	6/23/09	MS
500341	J	REVISE PER ER	2/17/10	MS
32728	K	REVISE PER PCR	10/19/22	DG

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JOHN E. SCATES
LICENSE
No. 51737
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

JOHN E. SCATES, PE
2560 KING ARTHUR BLVD, STE 124-54
LEWISVILLE, TX 75056
FL. PE 51737/TX PE 56308/F-2203

REF DWG	USED ON	THIRD ANGLE PROJECTION	TOLERANCES UNLESS OTHERWISE SPECIFIED	FINISH	OVERHEAD DOOR the original since 1912	NAME	DATE	DRAWING TITLE: WINDLOAD, 610/611, C-187, +26/-26 PSF (DESIGN) DRAWING NUMBER D-308082 SCALE: N/A SHEET 1 OF 1
		ASME Y14.100 AND Y14.5 APPLY UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN U.S. CUSTOMARY UNITS.	FRACTIONS ± 1/16"	N/A		DRAWN BY: K. WOLFF	11/19/02	
				UNIT OF MEASURE	MATERIAL: N/A	CHECKED BY: JD FAW	1/24/03	
						APPROVED BY: DM WELLS	1/24/03	