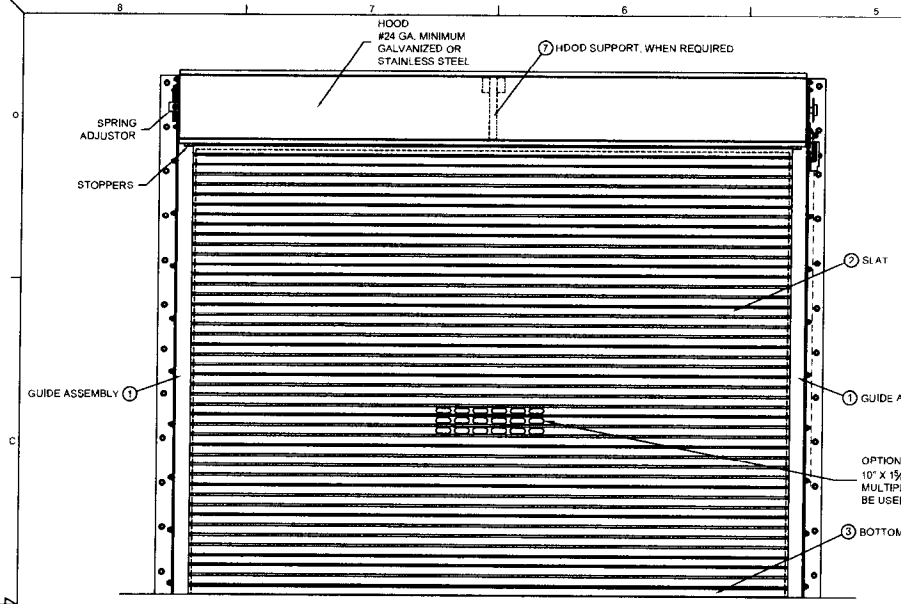
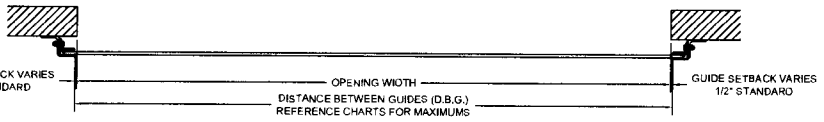
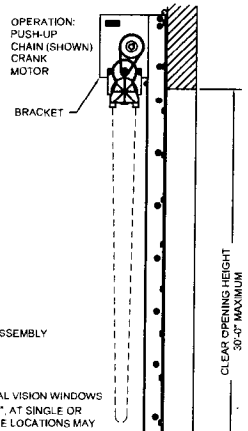
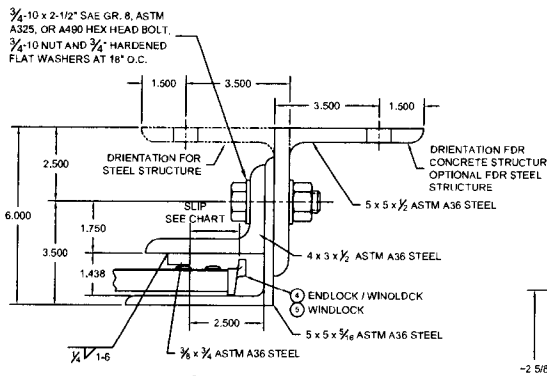
LTR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	12/19/12	TJE	-



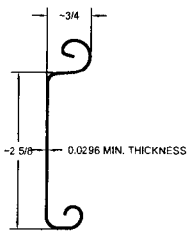


ROLL-UP MECHANISM NOT INCLUDED IN THIS APPROVAL. MUST BE CERTIFIED BY AN INDEPENDENT TESTING AGENCY IF REQUIRED.

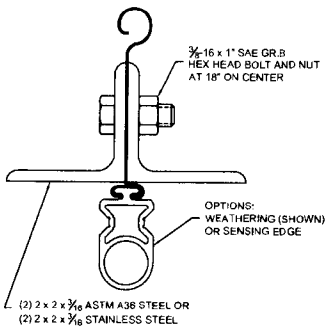




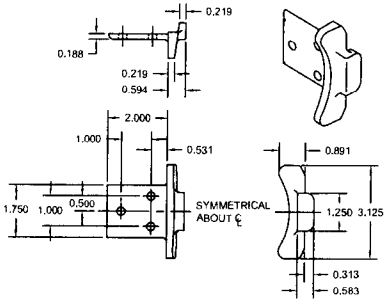
1 GUIDE ASSEMBLY DETAIL
1/2 SCALE



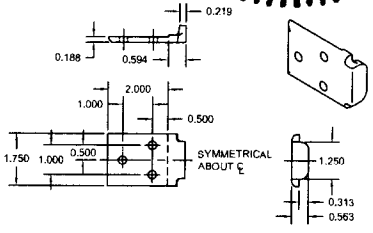
2 SLAT DETAIL
TYPICAL SECTION
ASTM A653 HSLAS GRADE 40 G40 OR
ASTM A653 HSLAS-F GRADE 40 G40 OR
ASTM A653 STRUCTURAL STEEL GRADE 40 G40
OR TYPE 304 : UNS S30400 STAINLESS STEEL (MIN. YIELD 40 000 psi)
OR TYPE 316 : UNS S31600 STAINLESS STEEL (MIN. YIELD 40 000 psi)
OR TYPE 430 : UNS S43000 STAINLESS STEEL (MIN. YIELD 40 000 psi)
OR TYPE 201 : UNS S20100 STAINLESS STEEL (MIN. YIELD 40 000 psi)
FULL SCALE



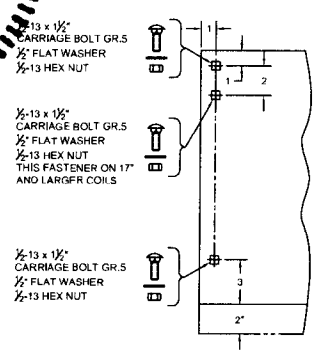
3 BOTTOM BAR DETAIL
TYPICAL SECTION
FULL SCALE



4 ENDLOCK / WINDLOCK DETAIL
FERRITIC MALLEABLE IRON PER ASTM A47 - GRADE 32510
OR DUCTILE IRON PER ASTM A536 GRADE 65-45-12. GALVANIZED
IN ACCORDANCE WITH ASTM A153, G90 ZINC-COATING.
1/2 SCALE



5 WINDLOCK DETAIL
FERRITIC MALLEABLE IRON PER ASTM A47 - GRADE 32510
OR DUCTILE IRON PER ASTM A536 GRADE 65-45-12. GALVANIZED
IN ACCORDANCE WITH ASTM A153, G90 ZINC-COATING.
1/2 SCALE



8 BRACKET MOUNTING DETAIL
0.172 MIN. THICKNESS
* 2" EXTENSION WHEN B" AND LARGER SHAFT ASSEMBLY IS SUPPLIED
1/2 SCALE

12/19/12

NOTES:
1. THIS ROLL-UP DOOR SYSTEM IS DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE.

2. POSITIVE AND NEGATIVE DESIGN PRESSURE CALCULATIONS SHALL BE PERFORMED FOR SPECIFIC JOBS IN ACCORDANCE WITH ASCE 7, *MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES*. WIND LOADS DETERMINED FOR OPENINGS SHALL BE LESS THAN OR EQUAL TO DOOR DESIGN PRESSURES NOTED ON SHEET 3.

3. THE DETAILS AND SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED FOR UNIFORM STATIC AIR PRESSURE IN CONFORMANCE ASTM E330-02

4. TESTING PERFORMED BY ARCHITECTURAL TESTING, INC. (YORK, PENNSYLVANIA) TEST REPORT No. 99840.02-109-38.

5. SUPERIMPOSED LOADS ON THE JAMBS FROM THIS DOOR ARE DESIGNATED AS F1, F2, AND F3 HEREIN. CONTRACTORS SHALL HAVE FLORIDA REGISTERED PROFESSIONAL ENGINEER VERIFY ADEQUACY OF BUILDING STRUCTURE TO RESIST SUPERIMPOSED LOAD F1, F2, AND F3.

6. ALL WELDING SHALL BE PERFORMED BY QUALIFIED WELDERS IN ACCORDANCE WITH AWS REPRODUCTIONS, LATEST EDITION. ALL WELDING ELECTRODES SHALL CONFORM TO AWS A5.1, GRADE E-70. MINIMUM WELDING PROCESS SHALL BE ARC WELDING AWS E/014 OR MIG WELDING AWS ER70S-6.

7. ANCHOR NOTES:
A. EMBEDMENT DEPTH DOES NOT INCLUDE STUCCO FINISH.
B. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.

8. DOOR MAY BE INSTALLED ON THE INSIDE OR OUTSIDE OF AN EXTERIOR WALL.

9. A 33% INCREASE IN ALLOWABLE STRESS HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT.

THE COOKSON COMPANY, INC.
Rolling Doors
2417 S. 50th AVENUE PHOENIX, AZ 85043
800 TULIP DRIVE GASTONIA, NC 28052

TITLE
FLORIDA APPROVED
WINDLOAD CONFIGURATIONS
NON-INSULATED ROLLING STEEL DOOR
NON-IMPACT RESISTANT

SIZE	DRAWN	DWG NO	REV
D	T. ERRINGTON	ES-16-49b-TCCI	*
SCALE	AS NOTED	SHEET 1 OF 3	

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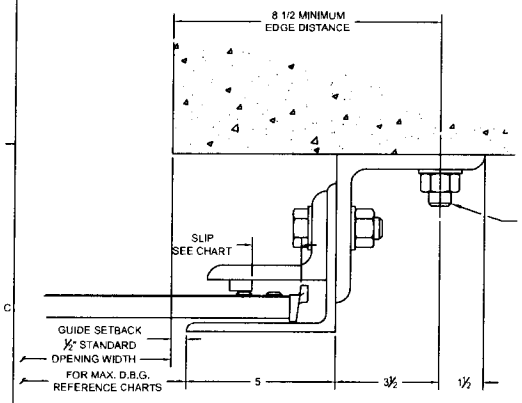
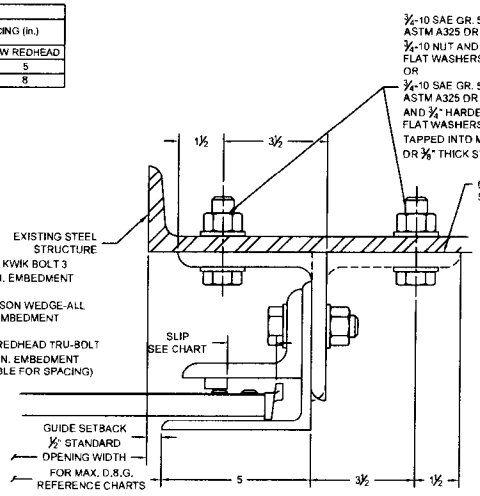
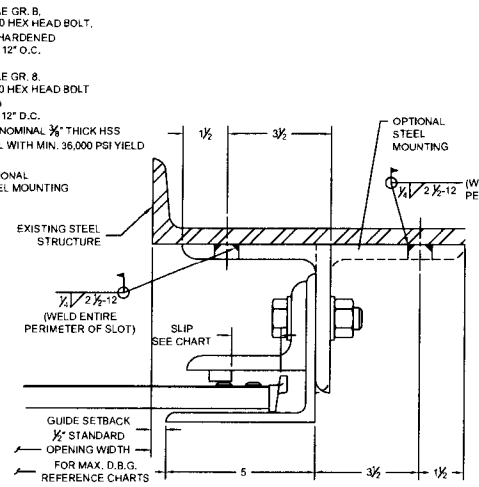
CONCRETE FASTENER SPACING			
CONCRETE STRENGTH (psi)	MAXIMUM FASTENER SPACING (in.)		
	HILTI	SIMPSON	ITW REDHEAD
3000	7 1/2	7	5
4000	10 1/2	8	8



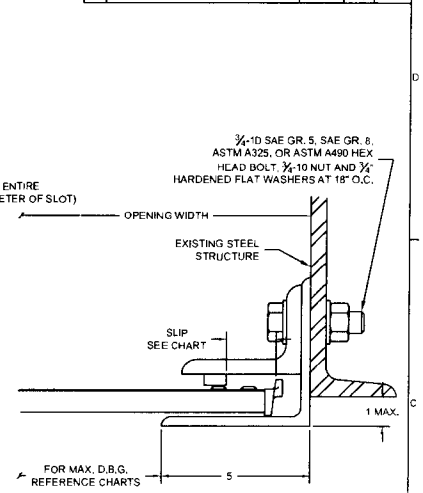
GUIDE ASSEMBLY
CONCRETE STRUCTURE



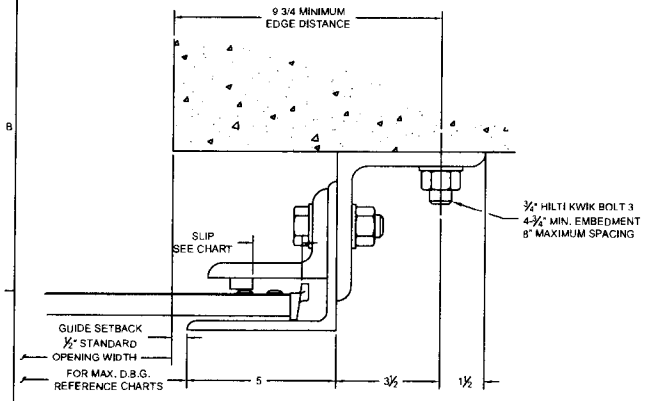
GUIDE ASSEMBLY
STEEL STRUCTURE



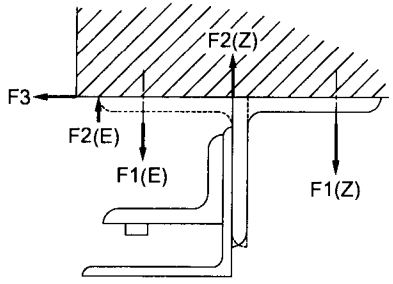
GUIDE ASSEMBLY
STEEL STRUCTURE



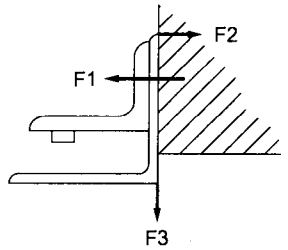
GUIDE ASSEMBLY
STEEL STRUCTURE
(BETWEEN JAMBS GUIDE)



GUIDE ASSEMBLY
FILLED CMU STRUCTURE
NOTE: ALLOWABLE LOADS LISTED IN TABLE MUST BE REDUCED BY 50% WHEN MOUNTING TO FILLED CMU JAMBS



Z OR E GUIDE



BETWEEN JAMBS GUIDE

UNREDUCED WIND FORCES ON BUILDING STRUCTURE (LBS / FOOT OF HEIGHT)																		
JAMB	Z-GUIDE						E-GUIDE						BETWEEN JAMBS GUIDE					
	POSITIVE			NEGATIVE			POSITIVE			NEGATIVE			POSITIVE			NEGATIVE		
	F1	F2	F3	F1	F2	F3	F1	F2	F3	F1	F2	F3	F1	F2	F3	F1	F2	F3
STEEL / CONCRETE	2611	1840	2901	4818	5389	2901	8406	7635	2901	8464	9235	2901	4159	1258	771	8842	594	771
FILLED CMU	1220	834	1383	2220	2605	1383	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BUILDING DESIGNER NOTE: STRUCTURE MUST BE DESIGNED TO SUPPORT F1, F2, AND F3 FORCES (LBS./FT. OF OPENING HEIGHT) AT EACH JAMB.																		

JOSEPH H. DIXON, JR. LICENSE No. 7768 STATE OF FLORIDA PROFESSIONAL ENGINEER

12/19/12

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Rolling Doors

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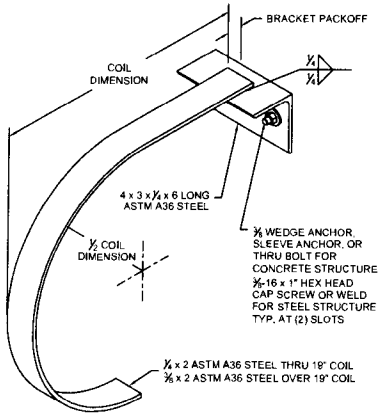
NON-INSULATED ROLLING STEEL DOOR
NON-IMPACT RESISTANT

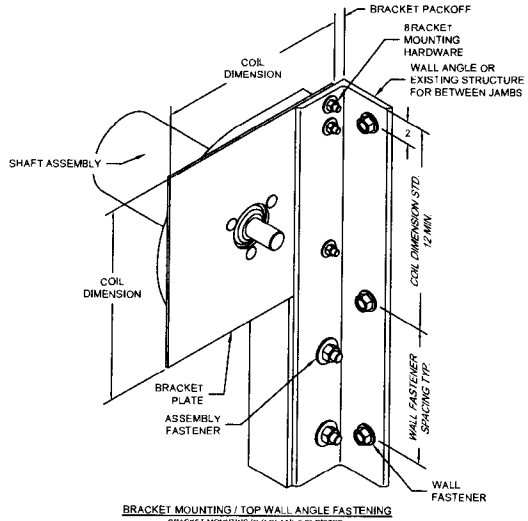
SIZE	DRAWN	DWG NO	REV
D	T. ERRINGTON	ES-16-49b-TCCI	*

SCALE AS NOTED SHEET 2 OF 3

LTR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE.	12/19/12	TJE	-



⑦ MID-HOOD SUPPORT
(WHEN REQUIRED)
"D" SHAPE DEPICTED, SQUARE STYLE ALSO AVAILABLE
SCALE: NTS



BRACKET MOUNTING / TOP WALL ANGLE FASTENING
BRACKET MOUNTING PER DETAIL 6 DEPICTED
OTHER BRACKET MOUNTINGS ARE AVAILABLE
SCALE: NTS

DESIGN WIND PRESSURES			
DOOR WIDTH UP TO (DBO)	MAXIMUM DOOR HEIGHT (DOH) (FT)	WINDLOCK SLIP EACH END (IN)	DESIGN PRESSURE* (PSF) .029" MIN. SLAT THICKNESS
6'-5"	30	9.656	±120
7'-5"	30	8.656	±120
8'-5"	30	8.656	±120
9'-5"	30	8.656	±120
10'-5"	30	8.656	±120
11'-5"	30	1.156	±120
12'-5"	30	1.156	±120
13'-5"	30	1.156	±120
14'-5"	30	1.156	±120
15'-5"	30	1.656	±120
16'-5"	30	1.656	±120
17'-5"	30	1.656	±108.7
18'-5"	30	1.656	±99.4
19'-5"	30	1.656	±91.4
20'-5"	30	1.656	±84.4
21'-5"	30	1.656	±78.3
22'-5"	30	1.656	±72.9
23'-5"	30	1.656	±68.1
24'-5"	30	1.656	±63.8
25'-5"	30	1.656	±60.0
26'-5"	30	1.656	±56.6
27'-5"	30	1.656	±53.4
28'-5"	30	1.656	±50.6
29'-5"	30	1.656	±48.0
30'-5"	30	1.656	±45.6
31'-5"	30	1.656	±43.4
32'-5"	30	1.656	±41.4
33'-5"	30	1.656	±39.5
34'-5"	30	1.656	±37.8
35'-5"	30	1.656	±36.2
36'-5"	30	1.656	±34.7
37'-5"	30	1.656	±33.3
38'-5"	30	1.656	±32.0
39'-5"	30	1.656	±30.8
40'-5"	30	1.656	±29.7

* NOTE: DESIGN PRESSURES FOR DOOR ATTACHING TO FILLED CMU STRUCTURE MUST BE REDUCED BY 50%

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SCALE	AS NOTED	SHEET 3 OF 3	