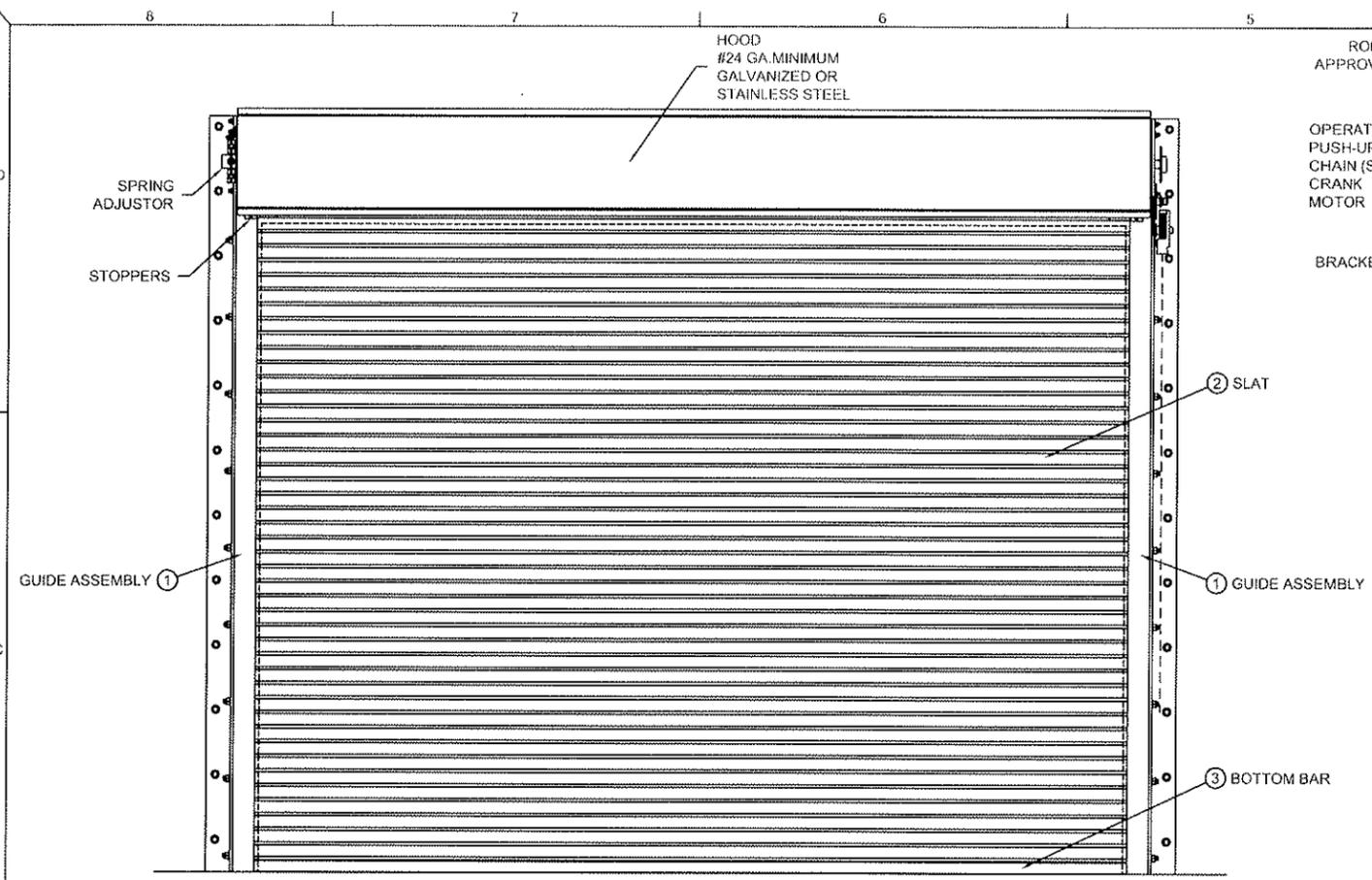
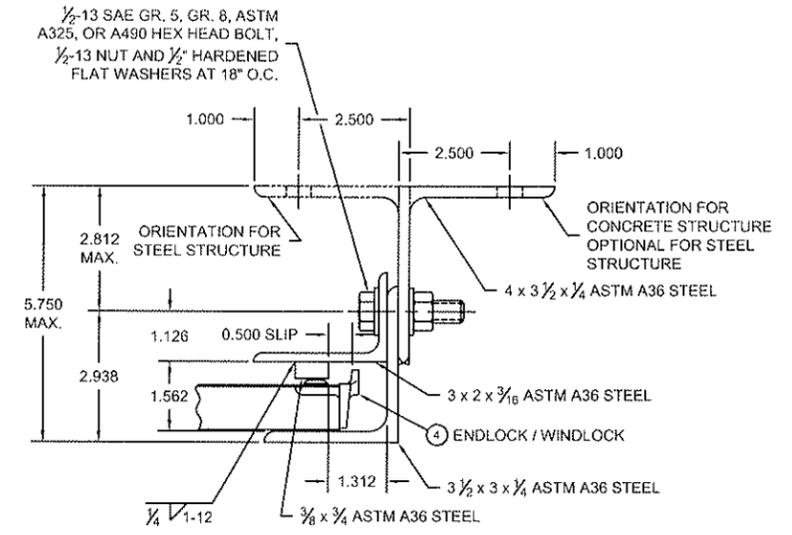
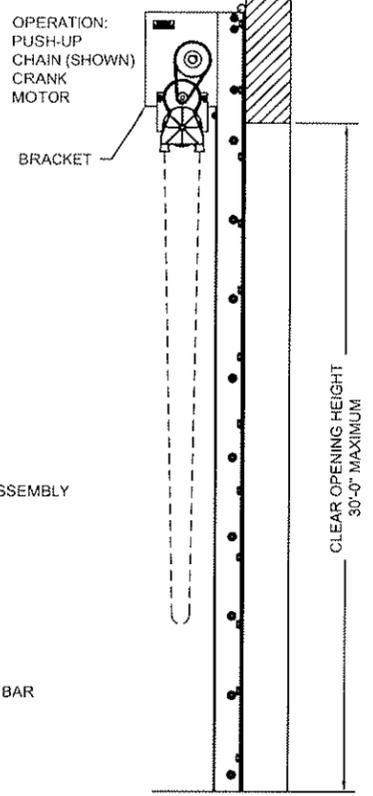


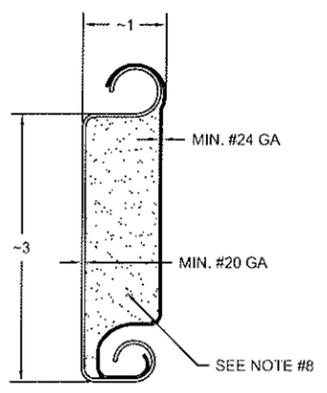
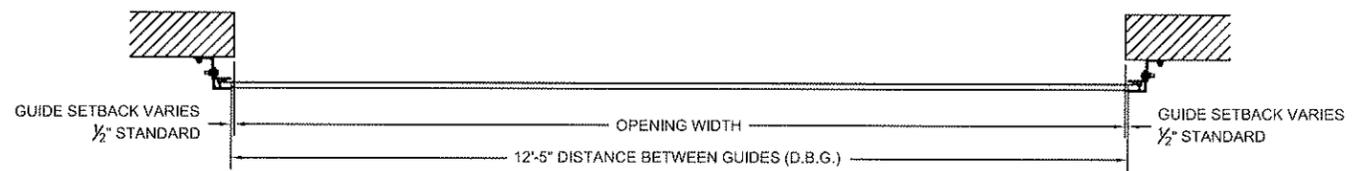
LTR	REVISION	DATE	BY	E.C.O.
-	ORIGINAL ISSUE	11/02/09	R.M.	1439
A	REVISED CURTAIN TO G40 GALVANIZE	01/09/14	TJE	-



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

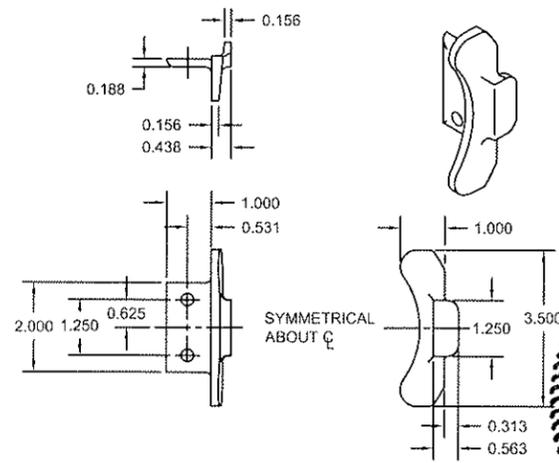
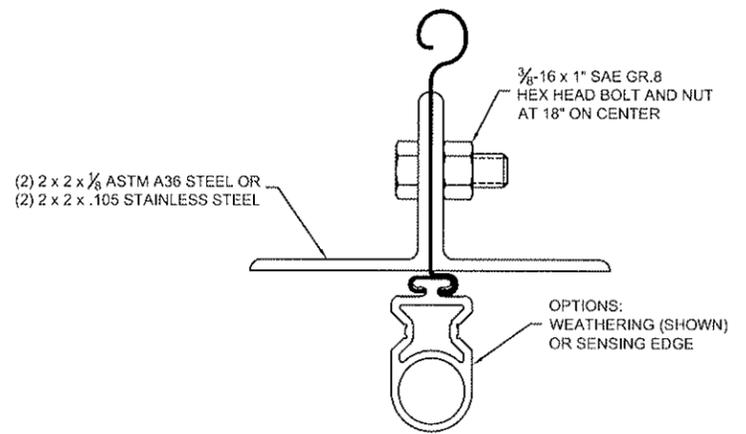


① GUIDE ASSEMBLY DETAIL
1/2 SCALE



② SLAT DETAIL
TYPICAL SECTION

ASTM A653 HSLAS TYPE B GRADE 40 G40 OR
ASTM A653 HSLAS TYPE A GRADE 40 G40 OR
ASTM A553 STRUCTURAL STEEL GRADE 40 G40
OR TYPE 304 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



- NOTES:
- THIS ROLL-UP DOOR SYSTEM IS DESIGNED IN ACCORDANCE WITH THE LATEST EDITION INTERNATIONAL BUILDING CODE AND FLORIDA BUILDING CODE, AS A LARGE MISSILE IMPACT RESISTANT SYSTEM.
 - 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 BELOW.
 - THE DETAILS AND SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED FOR UNIFORM STATIC AIR PRESSURE IN CONFORMANCE WITH DADE COUNTY PROTOCOLS TAS 201, 202 AND 203.
POSITIVE DESIGN LOAD = 60 PSF
NEGATIVE DESIGN LOAD = 60 PSF
 - TESTING PERFORMED BY ARCHITECTURAL TESTING, INC (YORK, PA.) TEST REPORT No. 79232-01-109-18.
 - SUPERIMPOSED LOADS ON THE JAMBS FROM THIS DOOR ARE DESIGNATED AS F1, F2 AND F3 HEREIN. CONTRACTORS SHALL HAVE LICENSED AND REGISTERED ENGINEER OR ARCHITECT VERIFY ADEQUACY OF BUILDING STRUCTURE TO RESIST SUPERIMPOSED LOADS F1, F2, AND F3.
 - ALL WELDING SHALL BE PERFORMED BY QUALIFIED WELDERS IN ACCORDANCE WITH AWS SPECIFICATIONS, LATEST EDITION. ALL WELDING ELECTRODES SHALL CONFORM TO AWS A5.1, GRADE E-70. MINIMUM WELDING PROCESS SHALL BE ARC WELDING AWS E7014 OR MIG WELDING AWS ER70S-6.
 - ANCHOR NOTES:
A. EMBEDMENT DEPTH DOES NOT INCLUDE STUCCO FINISH.
B. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
 - FOAMED IN PLACE INSULATION, TESTED IN ACCORDANCE WITH ASTM E-84 AND D-1929 OR MINERAL WOOL INSULATION.
 - DOOR MAY BE INSTALLED ON THE INSIDE OR OUTSIDE OF AN EXTERIOR WALL.
 - A 33% INCREASE IN ALLOWABLE STRESS HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT.

STATE OF TEXAS
18627
LICENSED PROFESSIONAL ENGINEER
JOSEPH H. DIXON, JR.
1/16/14

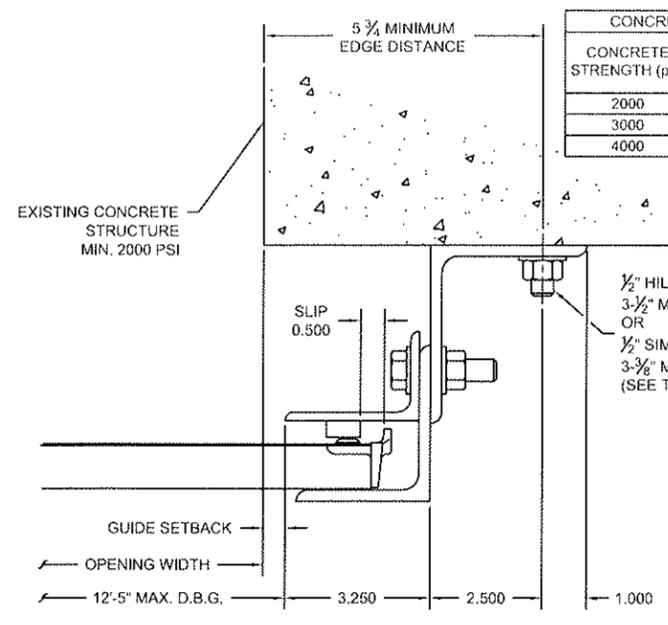
CORNELL 100 ELMWOOD AVENUE
CRESTWOOD INDUSTRIAL PARK
MOUNTAINTOP, PA 18707

TITLE
12'-5" WIDE 60 PSF INSULATED
ROLLING STEEL DOOR

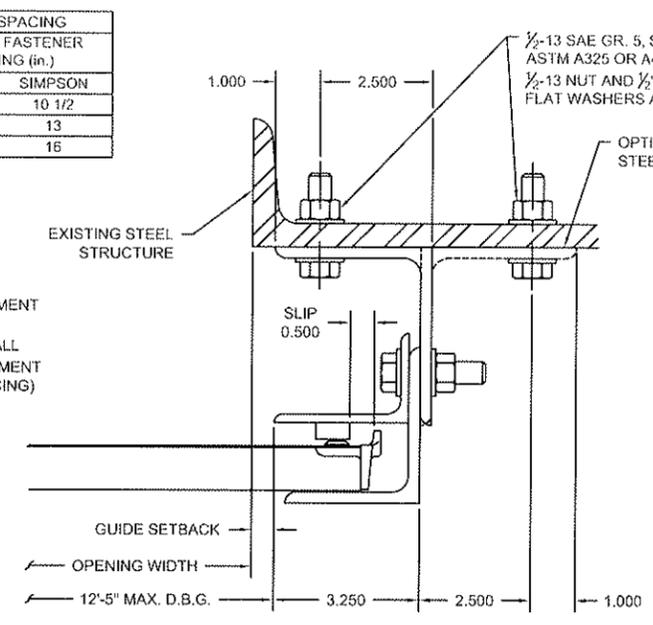
SIZE	DRAWN	DWG NO	REV
D	R. MAGGIO	ES16-42A	A
SCALE	1:16 & AS NOTED		SHEET 1 OF 2

LT#	REVISION	DATE	BY	E.G.O.
1	ORIGINAL ISSUE	11/02/09	R.M.	1430
2	REVISED CURTAIN TO G40 GALVANIZE	01/09/14	T.J.E.	

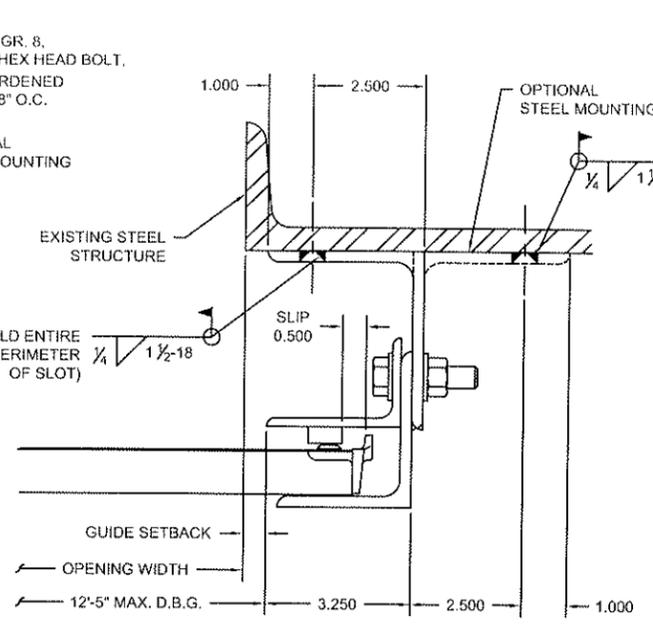
CONCRETE STRENGTH (psi)	MAXIMUM FASTENER SPACING (in.)	
	HILTI	SIMPSON
2000	13	10 1/2
3000	14 1/2	13
4000	15 1/2	16



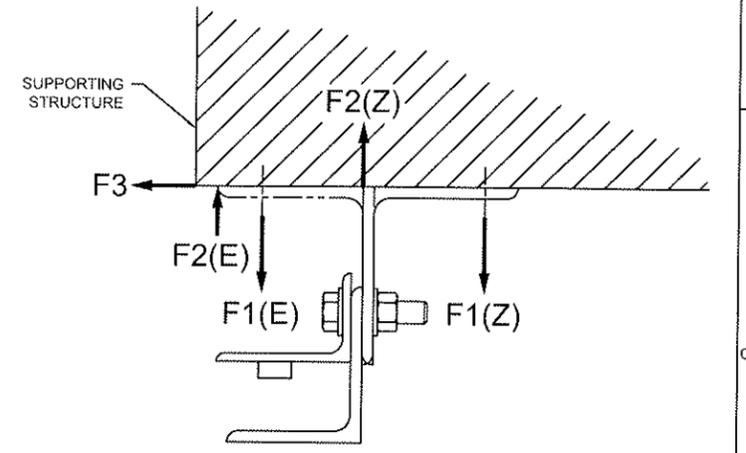
**GUIDE ASSEMBLY
CONCRETE STRUCTURE**



**GUIDE ASSEMBLY
STEEL STRUCTURE**



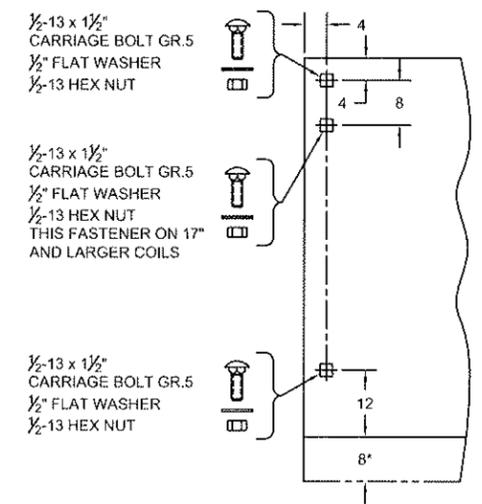
**GUIDE ASSEMBLY
STEEL STRUCTURE**



**UNREDUCED WIND FORCES
ON BUILDING STRUCTURE**

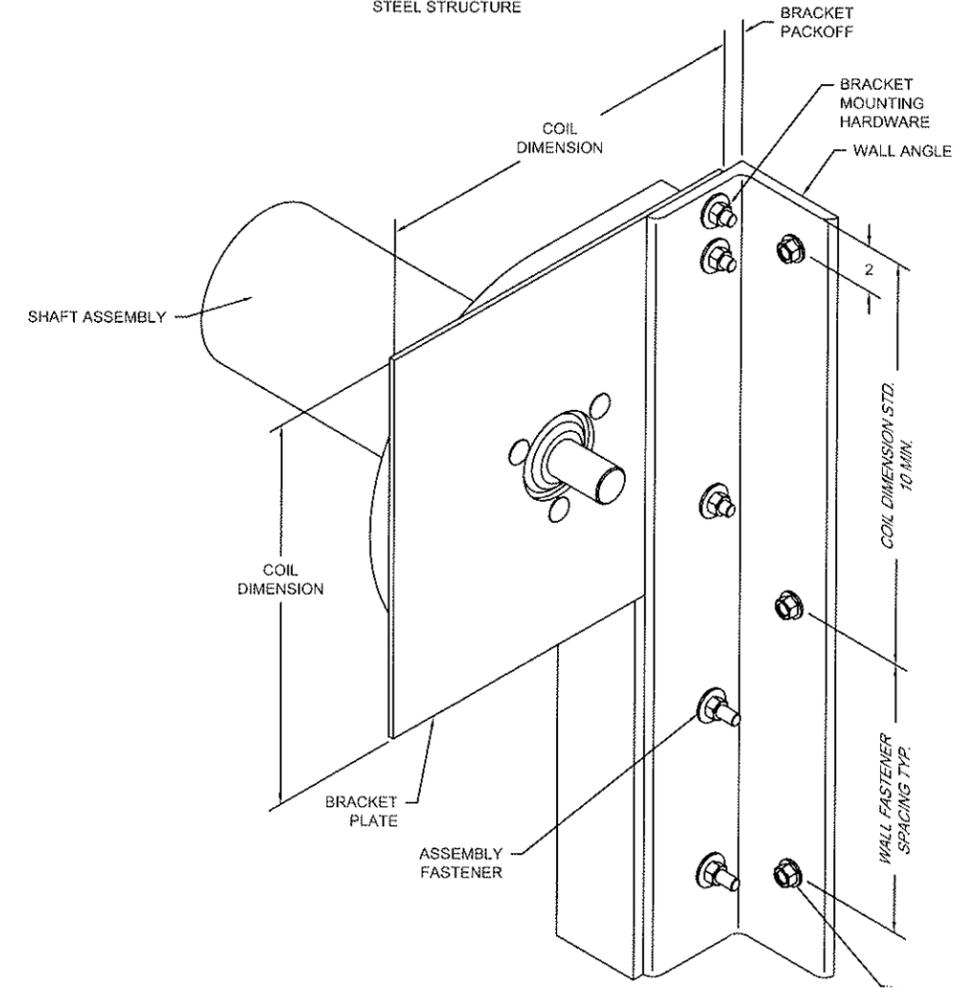
BUILDING DESIGNER NOTE:
STRUCTURE MUST BE DESIGNED TO SUPPORT F1, F2, AND F3 FORCES (LBS./FT. OF OPENING HEIGHT) AT EACH JAMB.

FORCES ON STRUCTURE (LBS / FOOT OF HEIGHT)											
Z-GUIDE						E-GUIDE					
POSITIVE			NEGATIVE			POSITIVE			NEGATIVE		
F1	F2	F3	F1	F2	F3	F1	F2	F3	F1	F2	F3
692	311	685	1534	1915	685	2968	2587	685	2596	2977	685

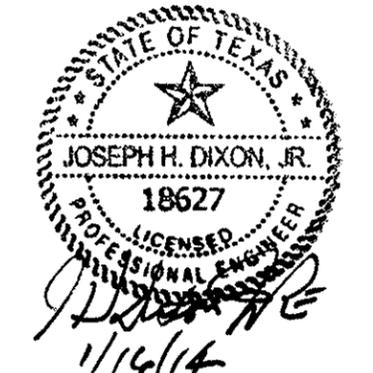


BRACKET MOUNTING DETAIL
0.172 MIN. THICKNESS

* 2" EXTENSION WHEN 8" AND LARGER SHAFT ASSEMBLY IS SUPPLIED
SCALE: FULL



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



CORNELL 100 ELMWOOD AVENUE
CRESTWOOD INDUSTRIAL PARK
MOUNTAINTOP, PA 18707

TITLE			
12'-5" WIDE 60 PSF INSULATED ROLLING STEEL DOOR			
SIZE	DRAWN	DWG NO	REV
D	R. MAGGIO	ES16-42A	A
SCALE 1:4 & AS NOTED			SHEET 2 OF 2