

SECTION B-B

P.S.F. TABLE

DOOR SIZE	DESIGN PRESSURE		TEST PRESSURE	
	WIDTH	HEIGHT	POSITIVE	NEGATIVE
9'-0" x 7'-0"	9'-0"	7'-0"	+42.6	-48.9
9'-0" x 8'-0"	9'-0"	8'-0"	+42.6	-48.9

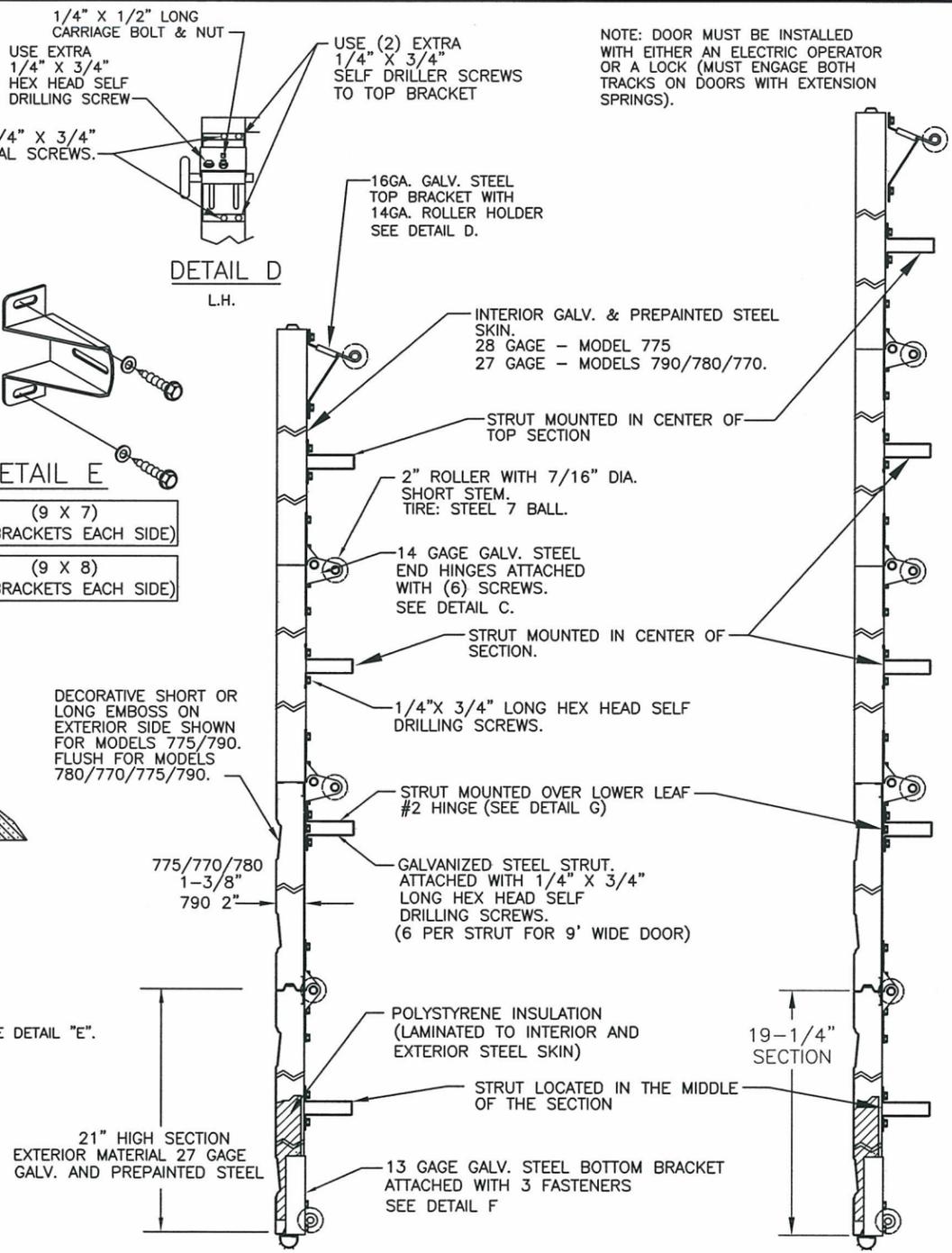
NOTE: ALL NON-DESCRIPTIVE FASTENERS SHOWN TO BE 1/4"-20 X 5/8" HEX BOLTS & NUTS OR 1/4" X 3/4" LONG HEX HEAD SHEET METAL SCREWS.

DOORS SHOWN ON THIS DRAWING HAVE BEEN DEMONSTRATED TO WITHSTAND THE PRESSURES LISTED IN THE TABLE ABOVE. MPH SHOWN FOR REFERENCE ONLY.

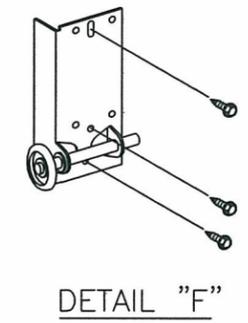
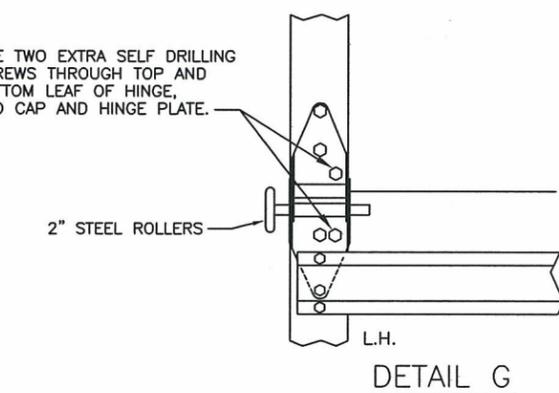
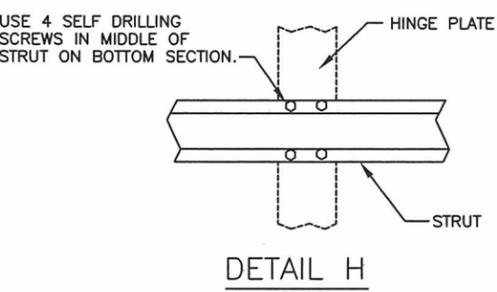
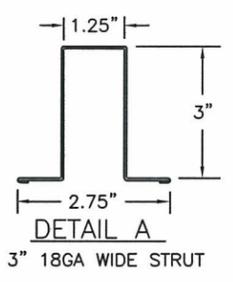
FBC/IBC/IRC ASSUMPTIONS: 130/140 MPH EXPOSURE "C", 25' ROOF HEIGHT. ROOF PITCH > 10°, 2' OF DOOR IN END ZONE, FULLY ENCLOSED.

DETERMINATION OF SUITABILITY FOR SPECIFIC SITES IS THE RESPONSIBILITY OF OTHERS.

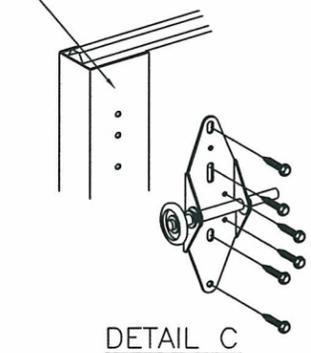
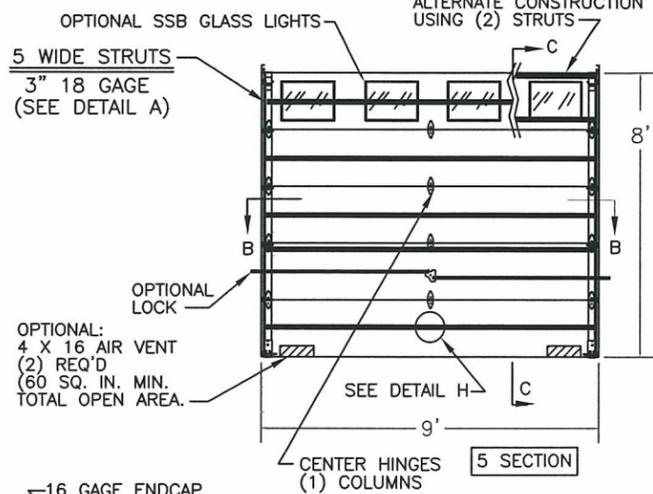
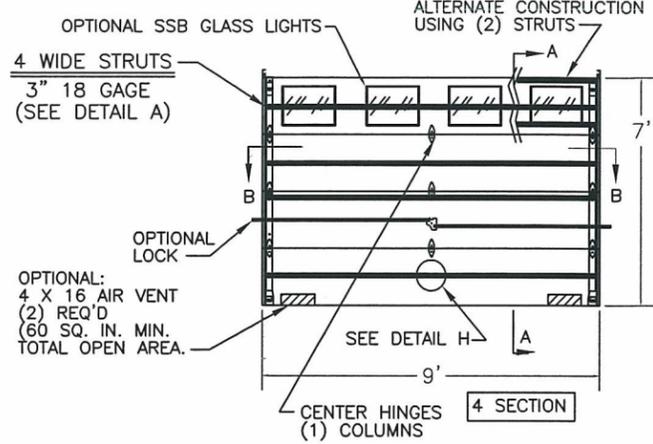
DOORS SMALLER THAN THOSE SHOWN WILL WITHSTAND THE INCREASED PRESSURE LOADS, GIVEN THE SAME CONDITIONS. THE INCREASE IN DOOR STRENGTH IS GREATER THAN THE INCREASE IN PRESSURE AS THE DOOR SIZE IS MADE NARROWER OR SHORTER.



SECTION A-A
4 SECTION



NOTE: DOOR MUST BE INSTALLED WITH EITHER AN ELECTRIC OPERATOR OR A LOCK (MUST ENGAGE BOTH TRACKS ON DOORS WITH EXTENSION SPRINGS).



NOTE: GLAZING DOES NOT SATISFY IMPACT DEBRIS REQUIREMENTS IN FBC

9' X 7' 9' X 8'

John E Scates PE
Florida P.E. #51737
1411 LeMay #205
Carrollton, TX 75007
(972)466-0550

Professional Engineer's seal provided only for verification of windload construction details.

John E Scates
3/20/08
TX 96308

REV.	E.C.N.	DATE:	APPROV.

WINDSOR REPUBLIC DOORS

P.O. BOX 8915
LITTLE ROCK, AR
72219-8915
(501) 562-1872

MODELS: 775, 790, 780, 770

PART NAME: WINDLOAD RESIDENTIAL STEEL DOOR FOR IBC/FBC/IRC 130/140 MPH. EXPOSURE "C"

TOLERANCE: FRAC. ± 1/64" DEC. ± .015 ANG. ± 1'

DATE: 10/15/07

DWG. NO. 99-B-089

SCALE: SHT 1 OF 2

