

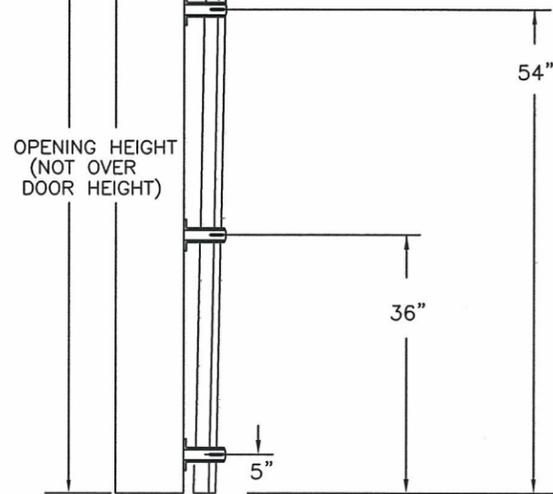
3/4" X 1-1/2" X 13GAGE MIN. GALV. STEEL HORIZONTAL ANGLE.

2" GALV. STEEL HORIZONTAL TRACK 16 GAGE OR 13 GAGE BASED ON THE WEIGHT OF THE DOOR.

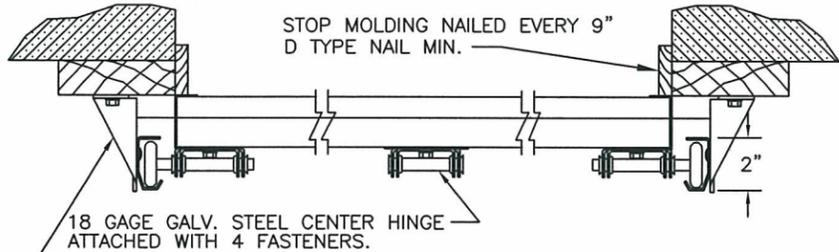
13 GAGE MIN. GALV. STEEL TRACK SPLICE OR FLAG BRACKET. FASTEN TO WOOD JAMB WITH 5/16" X 1-1/2" LAG SCREWS.

2" 16 GAGE GALV. STEEL VERTICAL TRACK BOLTED TO WINDLOAD TRACK BRACKETS WITH 1/4"-20 X 5/8" TRACK BOLTS

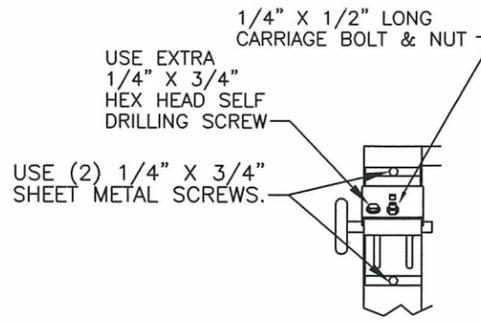
SEE DETAIL "E"



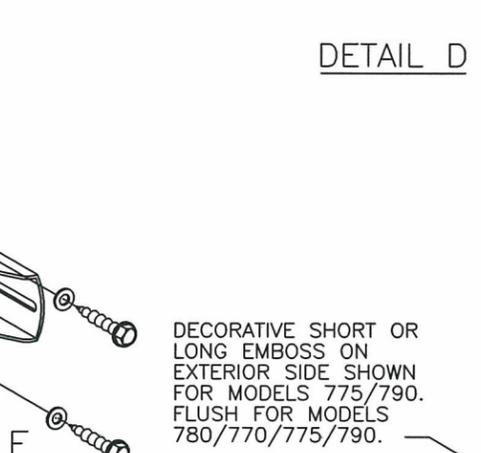
SECTION B-B



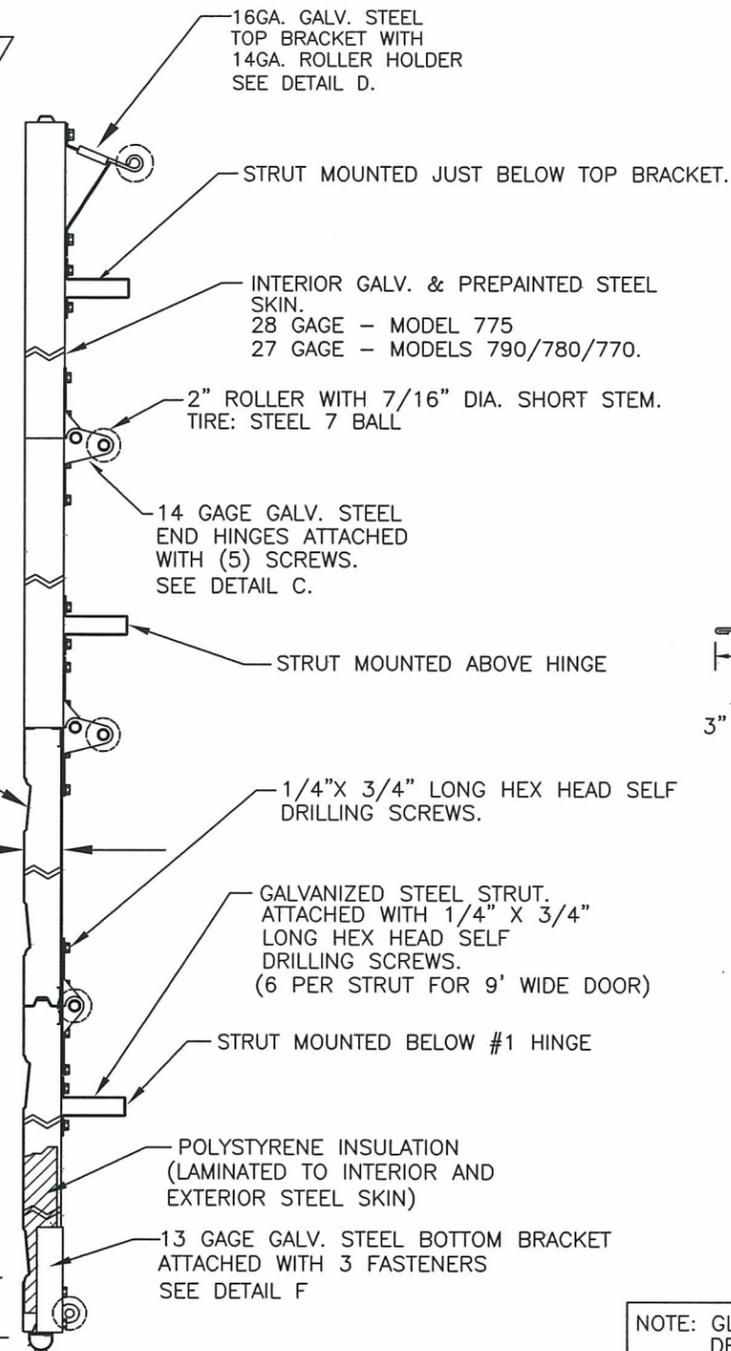
13 GAGE GALV. STEEL WINDLOAD TRACK BRACKETS. SEE ABOVE FOR SPACING. FASTEN TO WOOD JAMBS WITH 5/16" X 1-1/2" LAG SCREWS & WASHERS. PREPARATION OF JAMBS BY OTHERS. SEE DETAIL "E".



DETAIL D



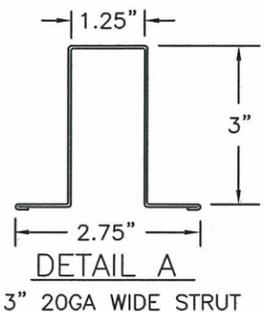
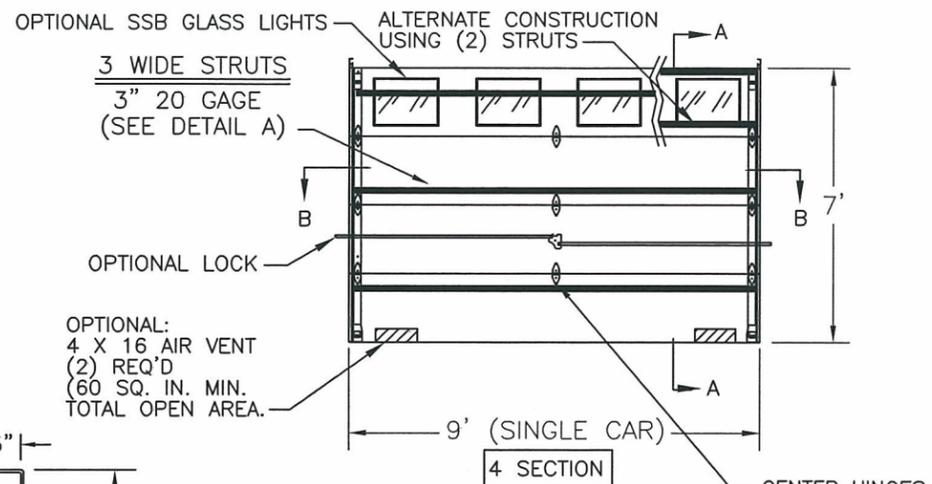
DETAIL E  
(9 X 7)  
(3 BRACKETS EACH SIDE)



SECTION A-A

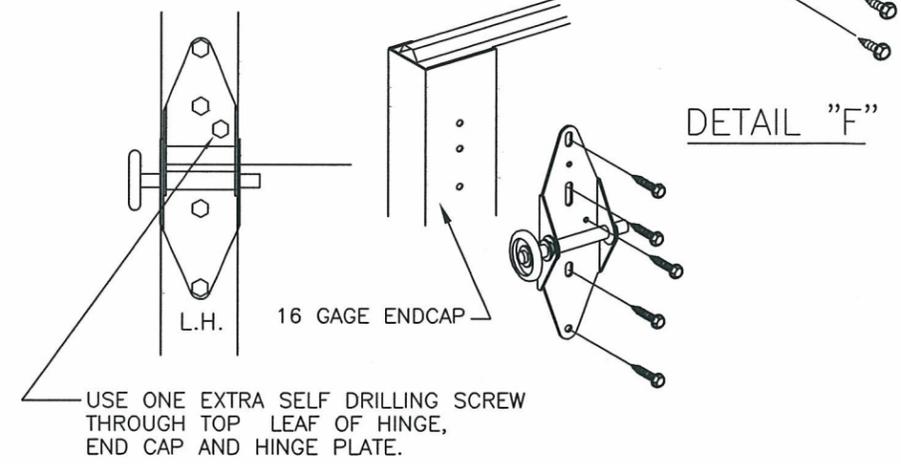
4 SECTION

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.



DETAIL A  
3" 20GA WIDE STRUT

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



DETAIL C

9' X 7'

NOTE: GLAZING DOES NOT SATISFY IMPACT DEBRIS REQUIREMENTS IN FBC

P.S.F. TABLE					
DOOR SIZE		DESIGN PRESSURE		TEST PRESSURE	
WIDTH	HEIGHT	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
9'-0"	7'-0"	+31.2	-35.8	+46.8	-53.7

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 MPH EXPOSURE "B", 30' 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.

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

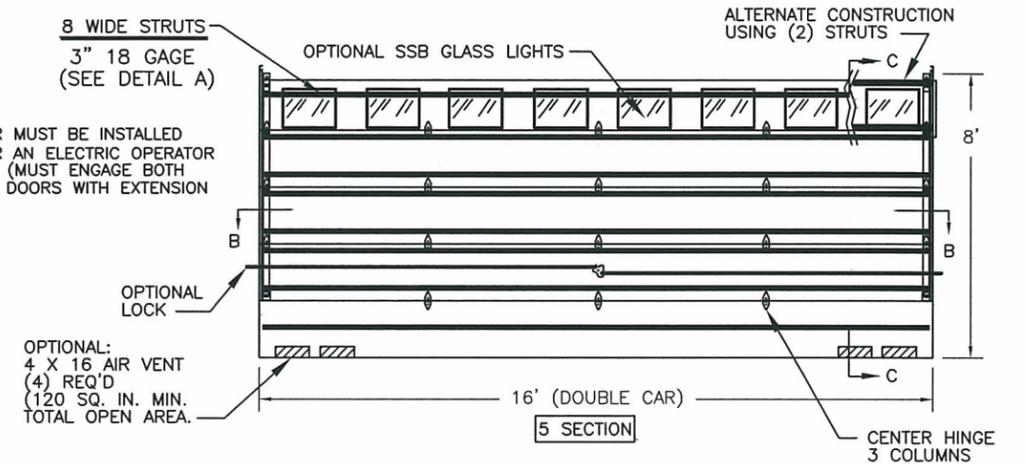
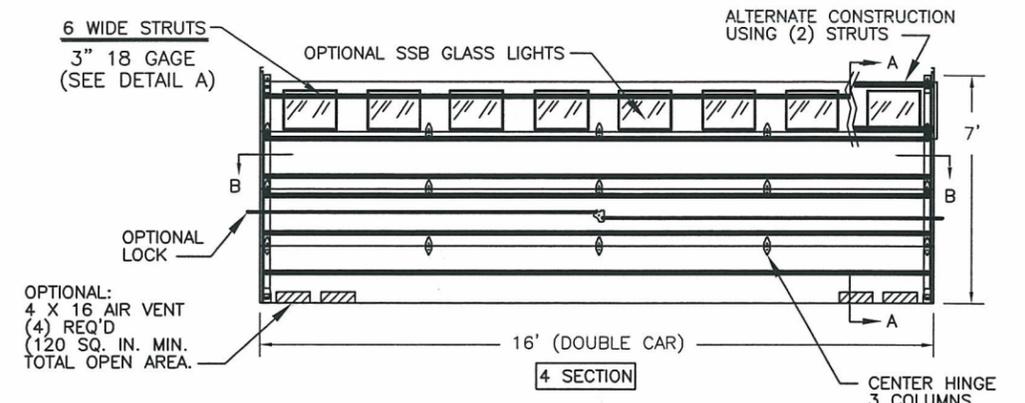
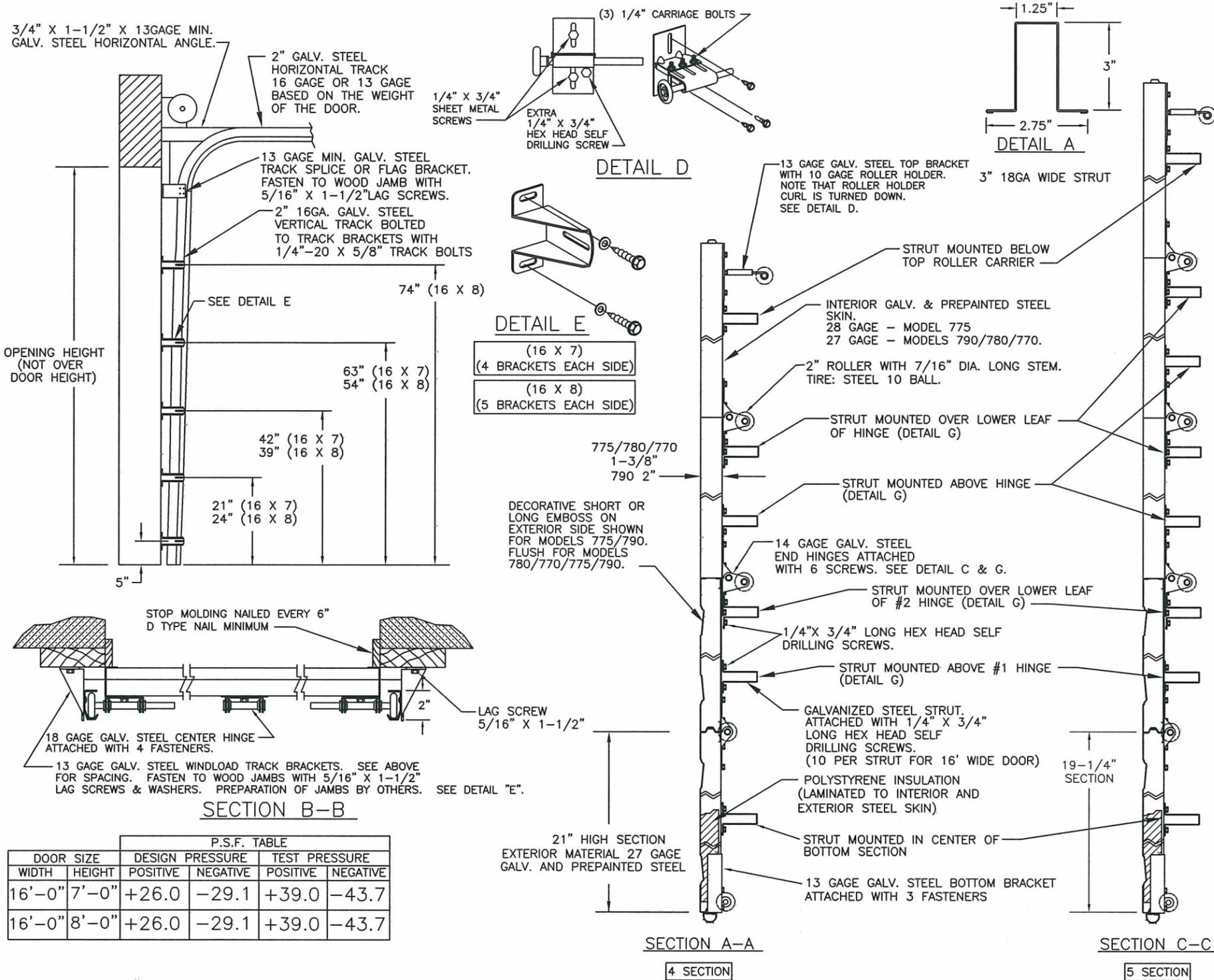
*John E Scates*  
3/20/08  
TX 56308

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

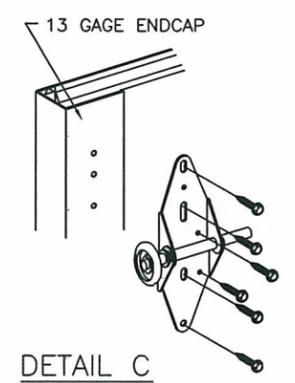
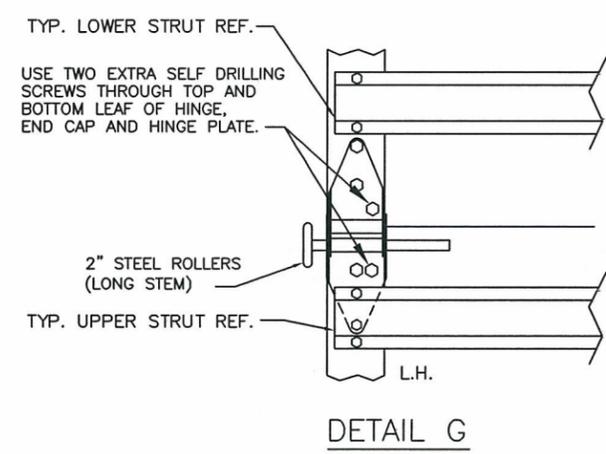
REV.	E.C.N.	DATE:	APPROV.
A	2866	3/10/08	RLB
	2851	11/1/07	RLB

<b>WR WINDSOR REPUBLIC DOORS</b>		P.O. BOX 8915 LITTLE ROCK, AR 72219-8915 (501) 562-1872	
MODELS: 775, 790, 770, 780			
PART NAME: WINDLOAD RESIDENTIAL STEEL DOOR FOR IBC/FBC/IRC 130 MPH. EXPOSURE "B"			
TOLERANCE	FRAC. ± 1/64" DEC. ± .015 ANG. ± 1'	NEXT LEVEL	DATE: 11/1/07
SCALE	PLOT SCALE	DRN. BY BH	DWG. NO. 99-B-087
			SHT 1 OF 4





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



P.S.F. TABLE

DOOR SIZE	DESIGN PRESSURE	TEST PRESSURE	
		POSITIVE	NEGATIVE
16'-0" x 7'-0"	+26.0	-29.1	+39.0
16'-0" x 8'-0"	+26.0	-29.1	+39.0

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 MPH EXPOSURE "B", 30' 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.

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(972)466-0550

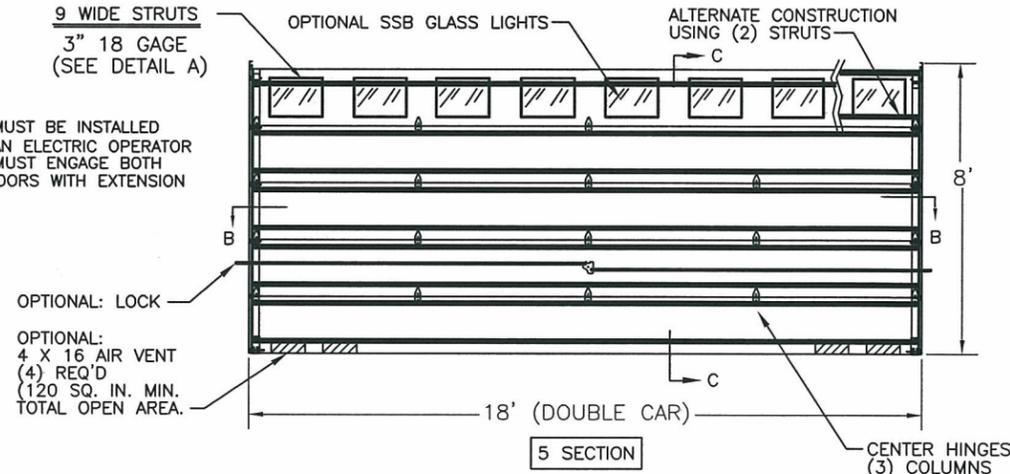
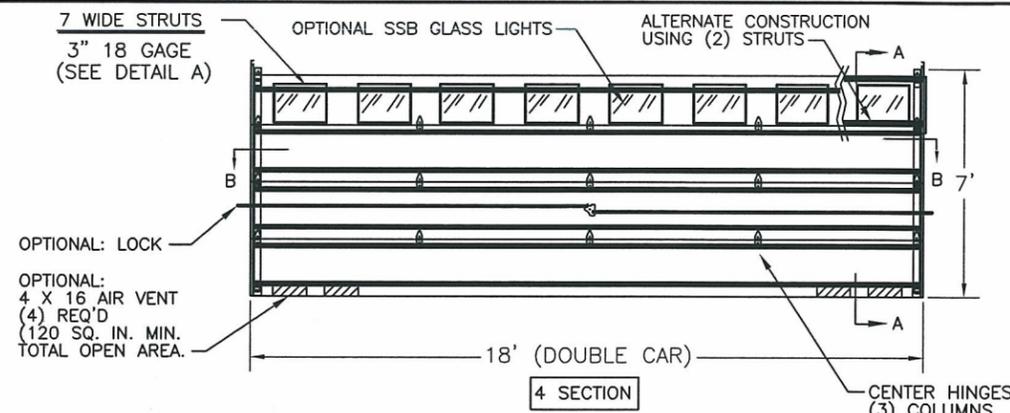
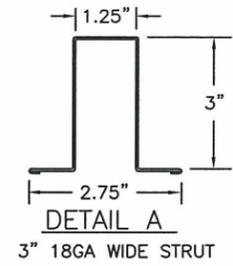
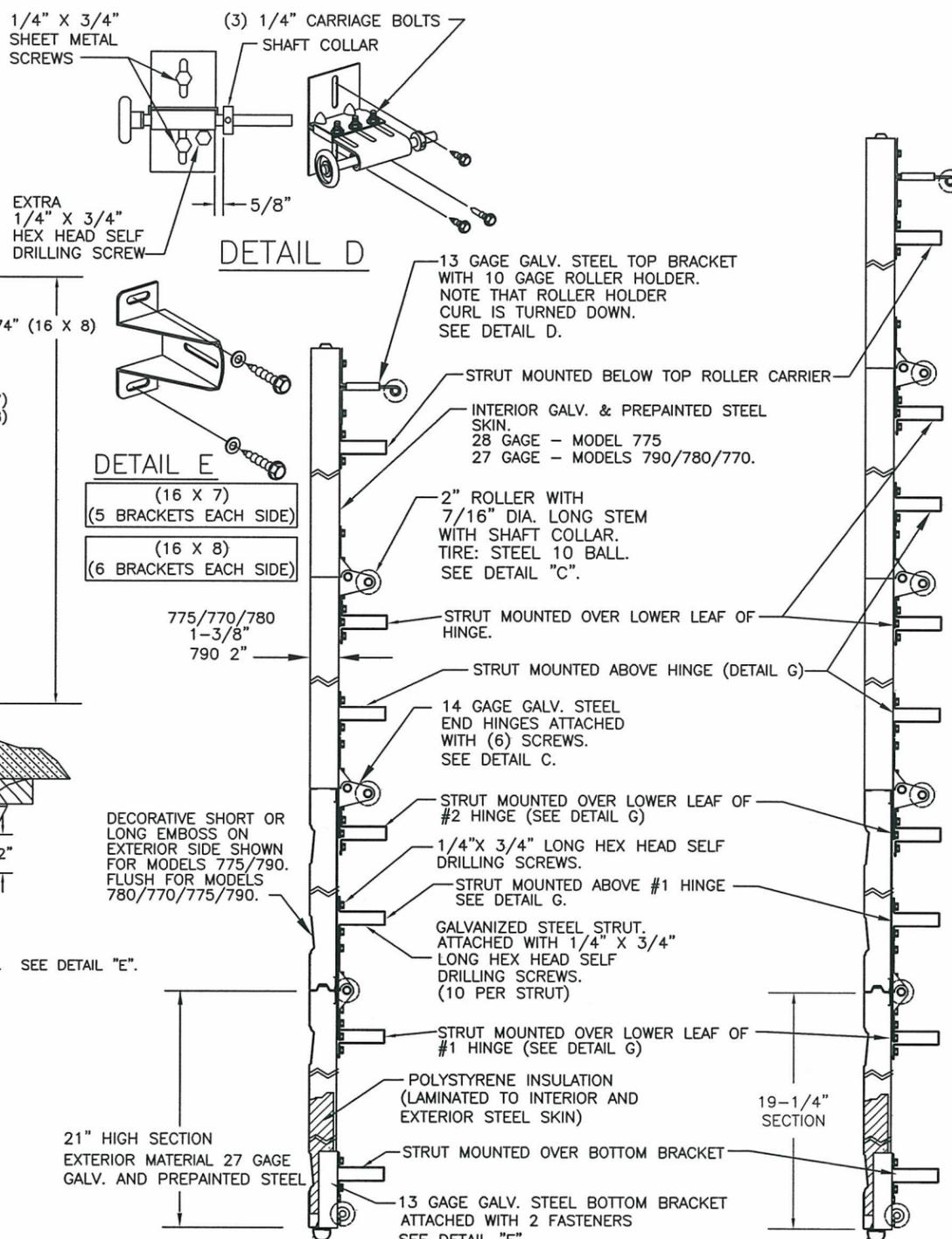
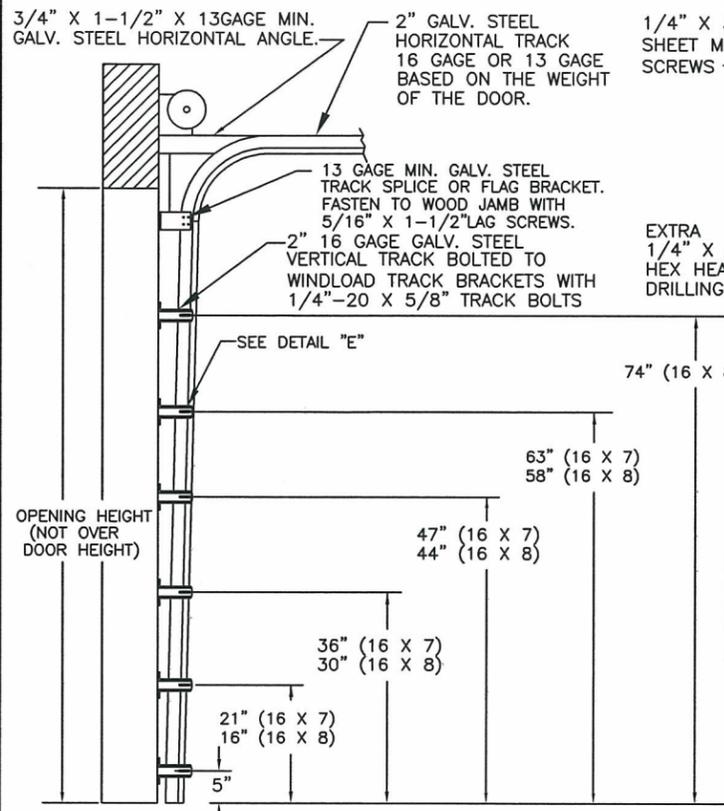
*John E Scates*  
3/20/08  
TX 56708

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

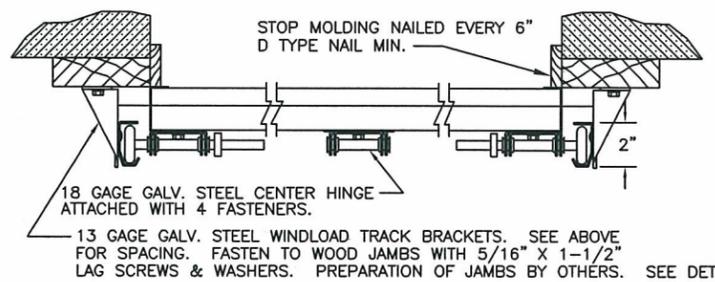
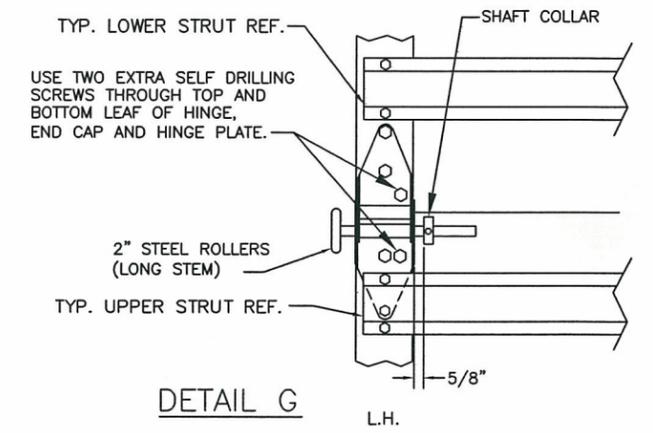
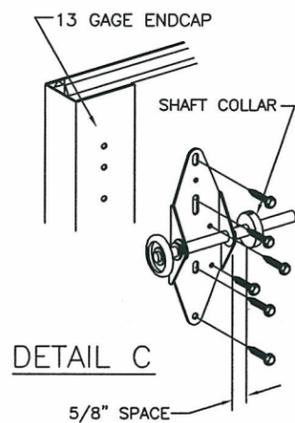
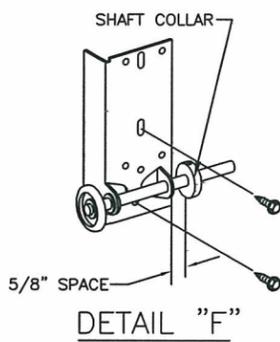
NOTE: GLAZING DOES NOT SATISFY IMPACT DEBRIS REQUIREMENTS IN FBC

16 X 7 16 X 8

REV.		E.C.N.		DATE:		APPROV.		SCALE NONE		PLOT SCALE		DRN. BY BH		DWG. NO. 99-B-087		SHT 3 OF 4							
A	2866	3/10/08	RLB	2851	11/1/07	RLB	FRAC. ± 1/64" DEC. ± .015 ANG. ± 1'	NEXT LEVEL	DATE: 11/1/07	PART NAME: WINDLOAD RESIDENTIAL STEEL DOOR FOR IBC/FBC/IRC 130 MPH EXPOSURE B		DWG. NO. 99-B-087		SHT 3 OF 4		P.O. BOX 8915 LITTLE ROCK, AR 72219-8915 (501) 562-1872							
MODELS: 775, 790, 780, 780												TOLERANCE		SCALE NONE		PLOT SCALE		DRN. BY BH		DWG. NO. 99-B-087		SHT 3 OF 4	



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



SECTION B-B

P.S.F. TABLE					
DOOR SIZE		DESIGN PRESSURE		TEST PRESSURE	
WIDTH	HEIGHT	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
18'-0"	7'-0"	+31.2	-34.0	+46.8	-51.0
18'-0"	8'-0"	+31.2	-34.0	+46.8	-51.0

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.

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3/20/08  
Tx 56308

NOTE: GLAZING DOES NOT SATISFY IMPACT DEBRIS REQUIREMENTS IN FBC

18' X 7' 18' X 8'

REV.		E.C.N.		DATE:		APPROV.	
A	2866	3/10/08	RLB	FRAC. ± 1/64"	DEC. ± .015	ANG. ± 1'	SCALE
	2851	11/1/07	RLB	TOLERANCE	PART NAME: WINDLOAD RESIDENTIAL STEEL DOOR FOR IBC/FBC/IRC 130 MPH. EXPOSURE "B"		
				SCALE	PLOT SCALE	DRN. BY BH	DWG. NO. 99-B-087
							SHT 4 OF 4



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

MODELS: 775, 790, 770, 780