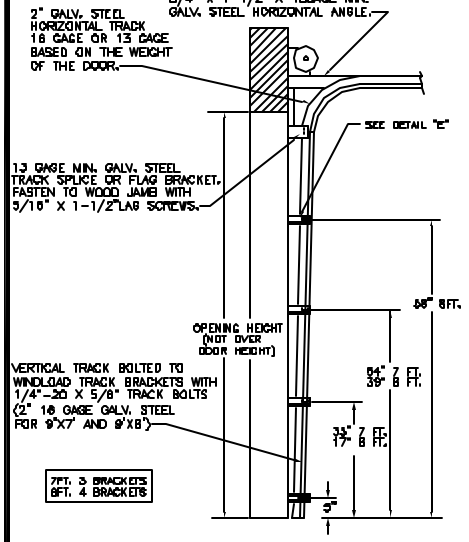
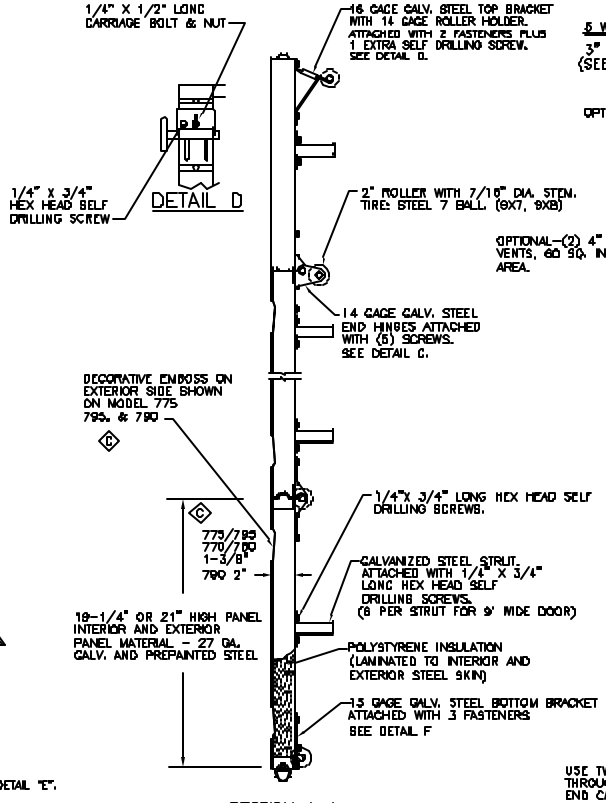
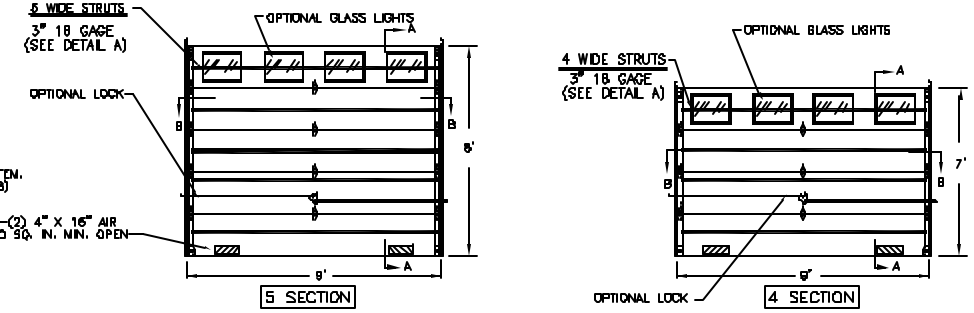
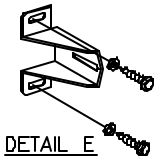
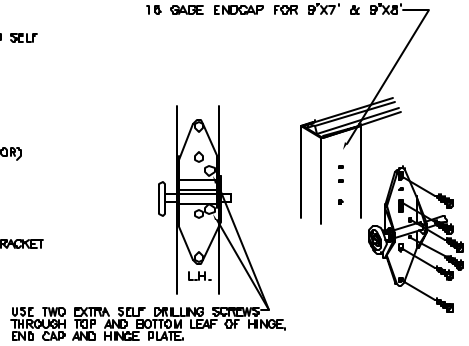


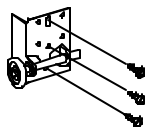


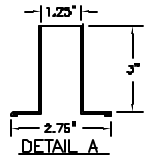



DETAIL E



DETAIL C


DETAIL "F"



DETAIL A
3" 18GA WIDE STRUT

SECTION B-B

P.S.F. TABLE

DOOR SIZE		DESIGN PRESSURE		TEST PRESSURE		SPECIAL NOTES
WIDTH	HEIGHT	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE	
9'-0"	7'-0"	+45	-51	+68	-77	UP TO FBC 146 EXPOSURE "C"
9'-0"	8'-0"	+45	-61	+68	-77	

DOORS SHOWN ON THIS DRAWING HAVE BEEN DEMONSTRATED TO WITHSTAND THE PRESSURES LISTED IN THE TABLE ABOVE. FBC ASSUMPTIONS: 146 MPH, EXPOSURE "C", 30' ROOF HEIGHT, ROOF PITCH > 10°, 2' OF DOOR IN END ZONE.

AN ARCHITECT OR STRUCTURAL ENGINEER MUST DETERMINE IF THE DOOR IS SUITABLE FOR OTHER LOCATIONS.
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.

NOTE: ALL NON-DESCRIPTIVE FASTENERS SHOWN TO BE 1/4"-20 X 5/8" HEX BOLTS & NUTS OR 1/4" X 1/2" LONG HEX HEAD SHEET METAL SCREWS.

John E Scales PE
Florida Reg. #61737
1411 LeMay #205
Carrollton, TX 75007
(972)446-0550

NOTE: GLAZING DOES NOT SATISFY IMPACT DEBRIS REQUIREMENTS IN FBC

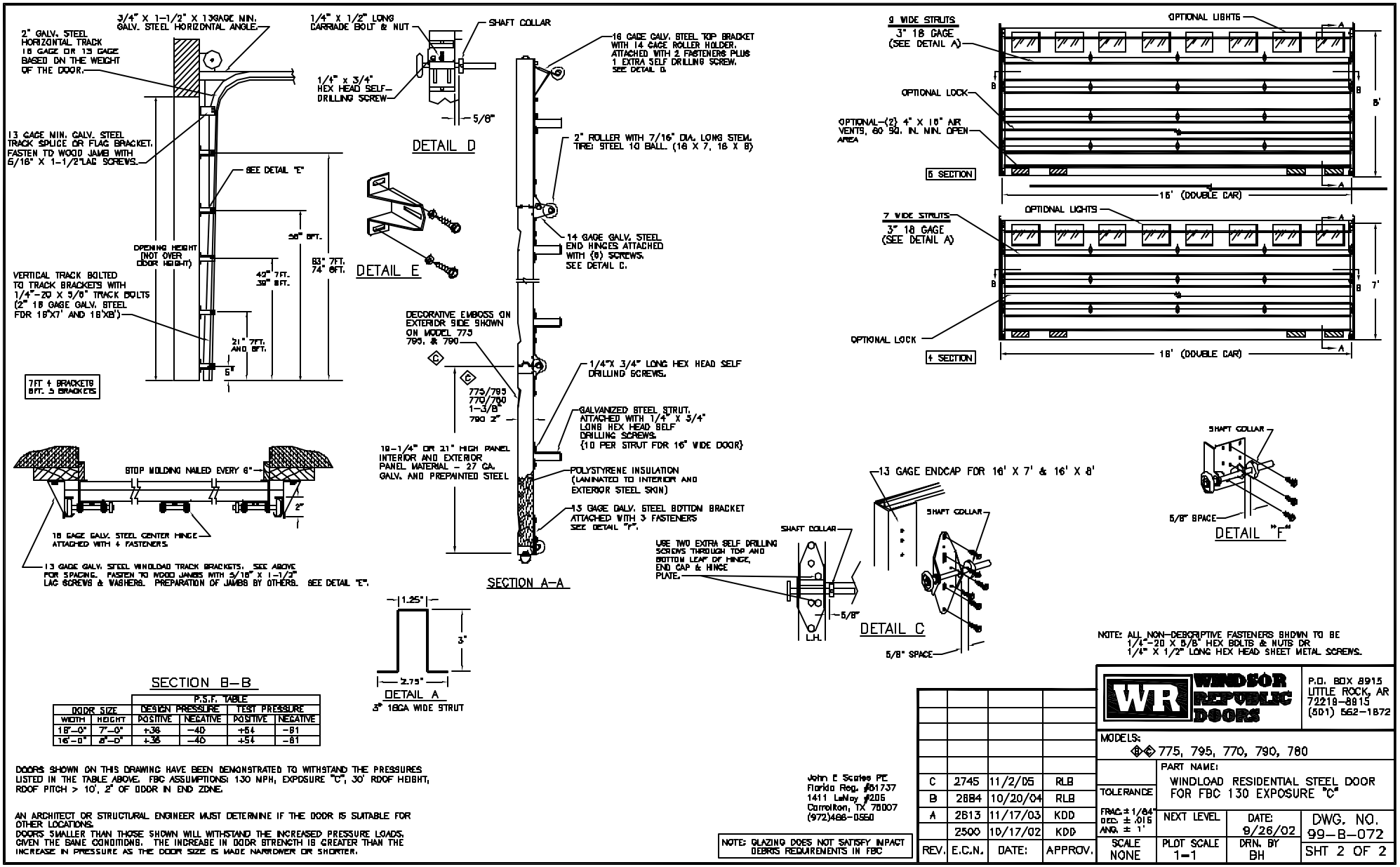
REV.	E.C.N.	DATE:	APPROV.
C	2745	11/2/05	RLB
B	2684	10/20/04	RLB
A	2613	11/17/03	KDD
	2500	10/17/02	KDD

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

MODELS: ⊕ ⊕ 775, 795, 770, 790, 780

PART NAME: WINDLOAD RESIDENTIAL STEEL DOOR FOR FBC 130 EXPOSURE "C"

TOLERANCE	NEXT LEVEL	DATE:	DWG. NO.
FRAC. ±1/64" DEC. ± .015 ANG. ± 1°		9/26/02	99-B-072
SCALE NONE	PLOT SCALE 1=1	DRN. BY BH	SHT 1 OF 2



NOTE: ALL NON-DESCRIPTIVE FASTENERS SHOWN TO BE 1/4"-20 X 5/8" HEX BOLTS & NUTS OR 1/4" X 1/2" LONG HEX HEAD SHEET METAL SCREWS.

DOOR SIZE		P.S.F. TABLE			
		DESIGN PRESSURE		TEST PRESSURE	
WIDTH	HEIGHT	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
16'-0"	7'-0"	+36	-40	+54	-81
16'-0"	8'-0"	+36	-40	+54	-81

DOORS SHOWN ON THIS DRAWING HAVE BEEN DEMONSTRATED TO WITHSTAND THE PRESSURES LISTED IN THE TABLE ABOVE. FBC ASSUMPTIONS: 130 MPH, EXPOSURE "C", 30' ROOF HEIGHT, ROOF PITCH > 10°, 2' OF DOOR IN END ZONE.

AN ARCHITECT OR STRUCTURAL ENGINEER MUST DETERMINE IF THE DOOR IS SUITABLE FOR OTHER LOCATIONS.
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 Scales PE
Florida Reg. #61737
1411 LaMay #206
Carrollton, TX 75007
(972)466-0560

NOTE: GLAZING DOES NOT SATISFY IMPACT DEBRIS REQUIREMENTS IN FBC

REV.	E.C.N.	DATE:	APPROV.
C	2745	11/2/05	RLB
B	2884	10/20/04	RLB
A	2813	11/17/03	KDD
	2500	10/17/02	KDD

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

MODELS: 775, 795, 770, 790, 780

PART NAME: WINDLOAD RESIDENTIAL STEEL DOOR FOR FBC 130 EXPOSURE "C"

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

NEXT LEVEL

DATE: 9/26/02

DWG. NO. 99-B-072

SCALE NONE

PLOT SCALE 1-1

DRN. BY BH

SHT 2 OF 2