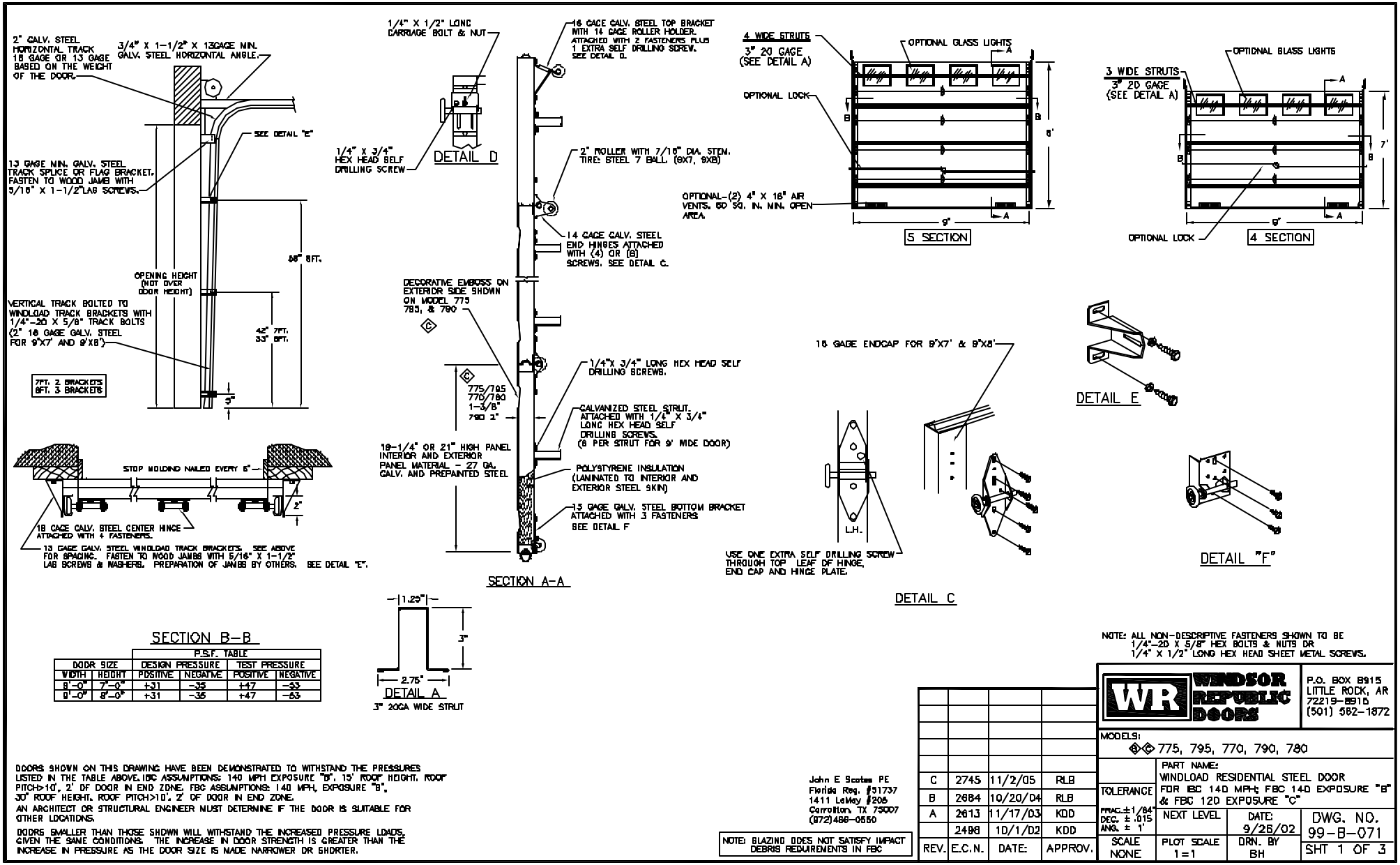


P.S.F. TABLE					
DOOR SIZE		DESIGN PRESSURE		TEST PRESSURE	
WIDTH	HEIGHT	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
8'-0"	7'-0"	+31	-35	+47	-53
9'-0"	8'-0"	+31	-35	+47	-53

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.

DOORS SHOWN ON THIS DRAWING HAVE BEEN DEMONSTRATED TO WITHSTAND THE PRESSURES LISTED IN THE TABLE ABOVE. IBC ASSUMPTIONS: 140 MPH EXPOSURE "B", 15' ROOF HEIGHT, ROOF PITCH>10°, 2' OF DOOR IN END ZONE. FBC ASSUMPTIONS: 140 MPH, EXPOSURE "B", 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 Scotese PE
Florida Reg. #31737
1411 LeMay #206
Carrollton, TX 75007
(972)486-0550

NOTE: BLAZING DOES NOT SATISFY IMPACT DEBRIS REQUIREMENTS IN FBC

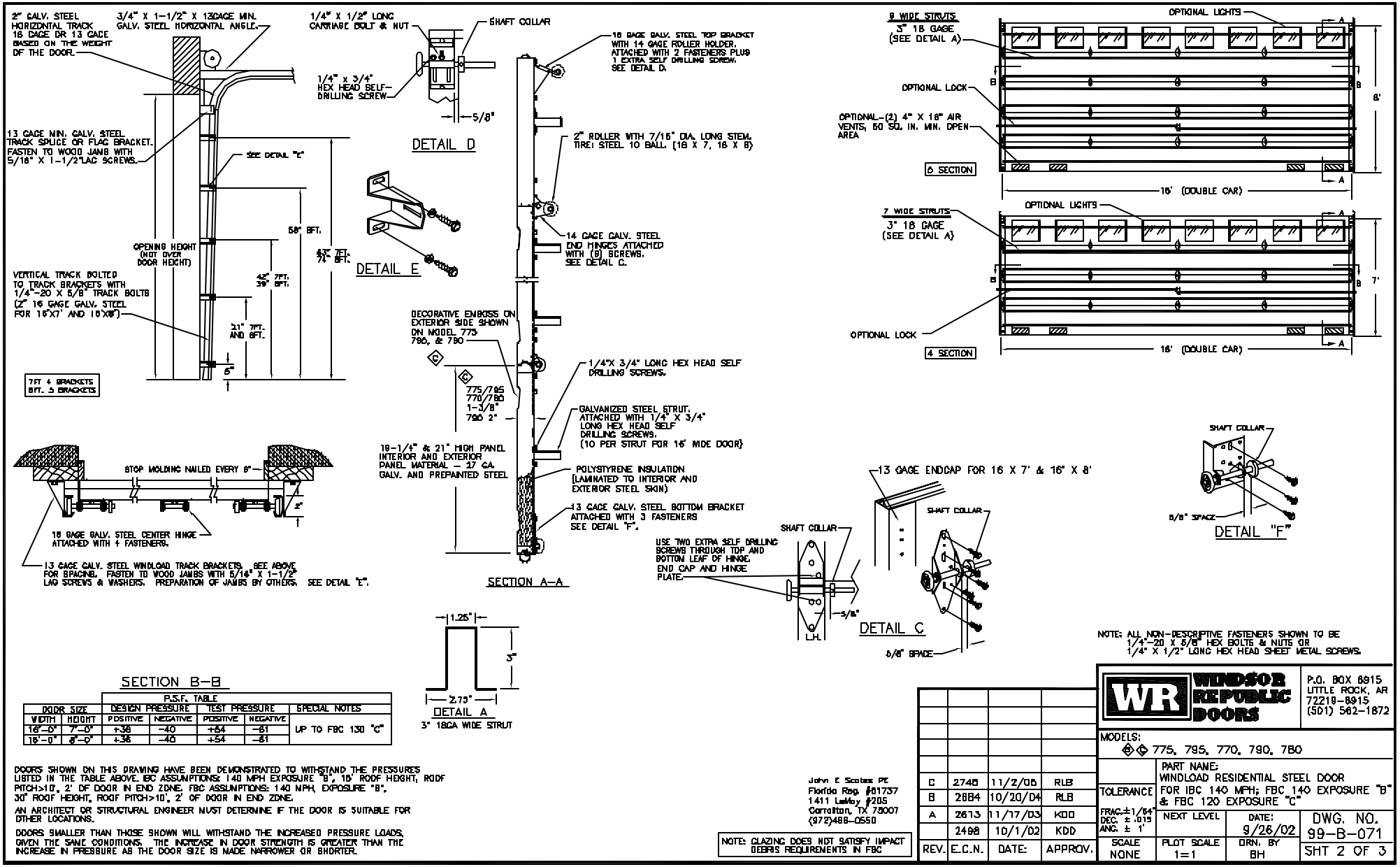
REV.	E.C.N.	DATE:	APPROV.
C	2745	11/2/05	RLB
B	2684	10/20/04	RLB
A	2613	11/17/03	KDD
	2498	10/1/02	KDD

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 IBC 140 MPH; FBC 140 EXPOSURE "B" & FBC 120 EXPOSURE "C"

TOLERANCE	NEXT LEVEL	DATE:	DWG. NO.
FRAC. ±1/64" DEC. ± .015 ANG. ± 1°		9/26/02	99-B-071
SCALE NONE	PLOT SCALE 1=1	DRN. BY BH	SHT 1 OF 3



SECTION B-B

DOOR SIZE		P.S.F. TABLE				SPECIAL NOTES
		DESIGN PRESSURE		TEST PRESSURE		
WIDTH	HEIGHT	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE	
16'-0"	7'-0"	+36	-40	+54	-81	UP TO FBC 130 "C"
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. IBC ASSUMPTIONS: 140 MPH EXPOSURE "B", 15' ROOF HEIGHT, ROOF PITCH>10°, 2' OF DOOR IN END ZONE. FBC ASSUMPTIONS: 140 MPH, EXPOSURE "B", 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. #81737
1411 LeMay #205
Carrollton, TX 75007
(972)488-0550

NOTE: GLAZING DOES NOT SATISFY IMPACT DEBRIS REQUIREMENTS IN FBC

REV.	E.C.N.	DATE:	APPROV.
C	2740	11/2/05	RLB
B	2684	10/20/04	RLB
A	2613	11/17/03	KDD
	2498	10/1/02	KDD

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.

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

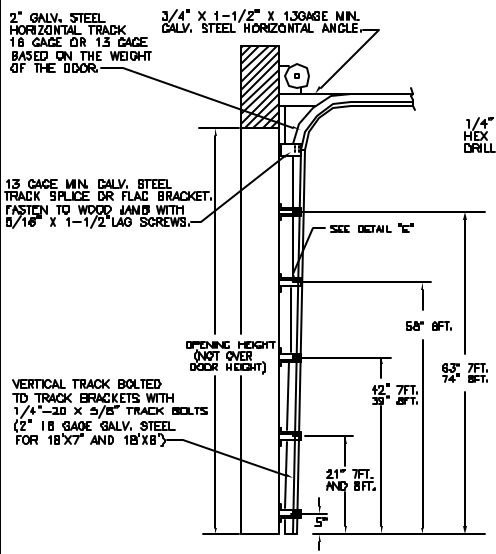
MODELS: 775, 795, 770, 790, 780

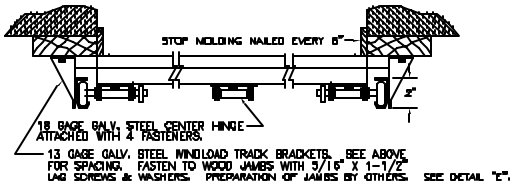
PART NAME: WINDLOAD RESIDENTIAL STEEL DOOR FOR IBC 140 MPH; FBC 140 EXPOSURE "B" & FBC 120 EXPOSURE "C"

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

NEXT LEVEL	DATE: 9/26/02	DWG. NO. 99-B-071
SCALE NONE	PLOT SCALE 1=1	DRN. BY BH

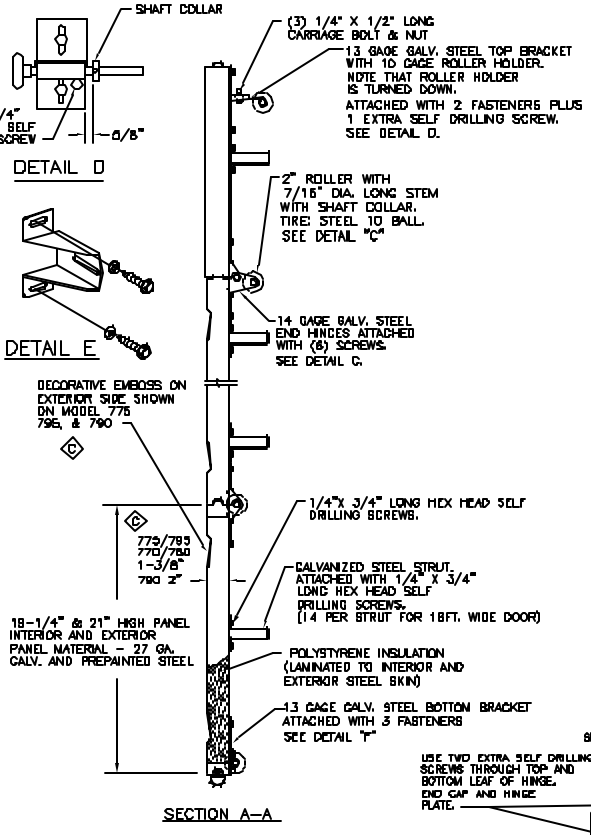
SHT 2 OF 3



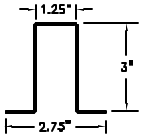


DETAIL D

DETAIL E

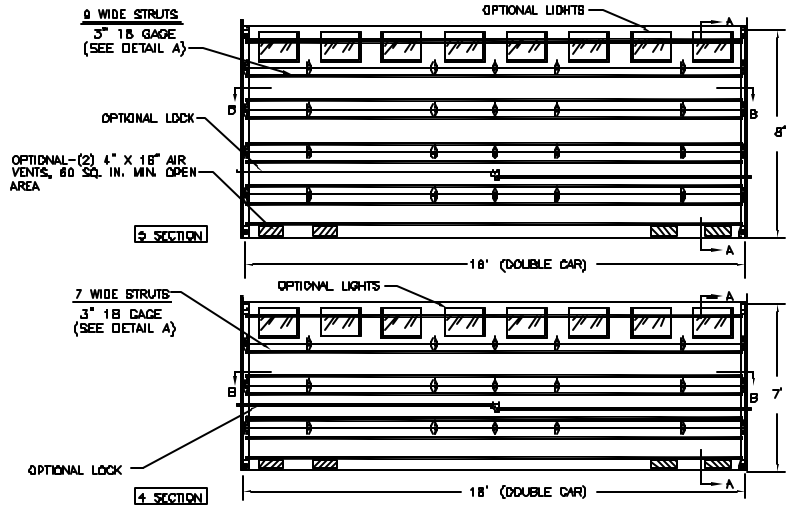


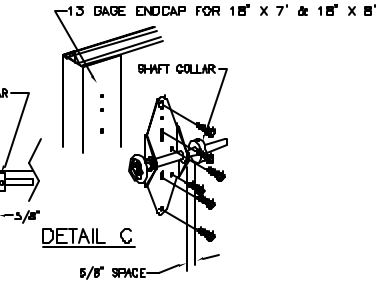
SECTION A-A



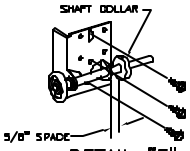
DETAIL A

3" IBCA WIDE STRUT





DETAIL C



DETAIL "F"

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		NO. OF SECTIONS	SPECIAL NOTES
WIDTH	HEIGHT	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE		
18'-0"	7'-0"	+32	-38	+48	-64	4 SECTIONS	UP TO FBC 146 "B"
18'-0"	8'-0"	+32	-38	+48	-64	5 SECTIONS	

DOORS SHOWN ON THIS DRAWING HAVE BEEN DEMONSTRATED TO WITHSTAND THE PRESSURES LISTED IN THE TABLE ABOVE. IBC ASSUMPTIONS: 140 MPH EXPOSURE "B", 15' ROOF HEIGHT, ROOF PITCH>10°, 2" OF DOOR IN END ZONE. FBC ASSUMPTIONS: 148 MPH, EXPOSURE "B", 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. #51737
1411 LeMay #208
Carrollton, TX 75007
(972)488-0550

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	2613	11/17/03	KDD
	2498	10/1/02	KDD

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

MODELS: B C 775, 795, 770, 790, 780

PART NAME: WINDLOAD RESIDENTIAL STEEL DOOR FOR IBC 140 MPH; FBC 140 EXPOSURE "B" & FBC 120 EXPOSURE "C"

TOLERANCE	NEXT LEVEL	DATE:	DWG. NO.
FRAC. ± 1/64" DEC. ± .015 ANG. ± 1°		9/26/02	99-B-071
SCALE NONE	PLOT SCALE 1-1	DRN. BY BH	SHT 3 OF 3