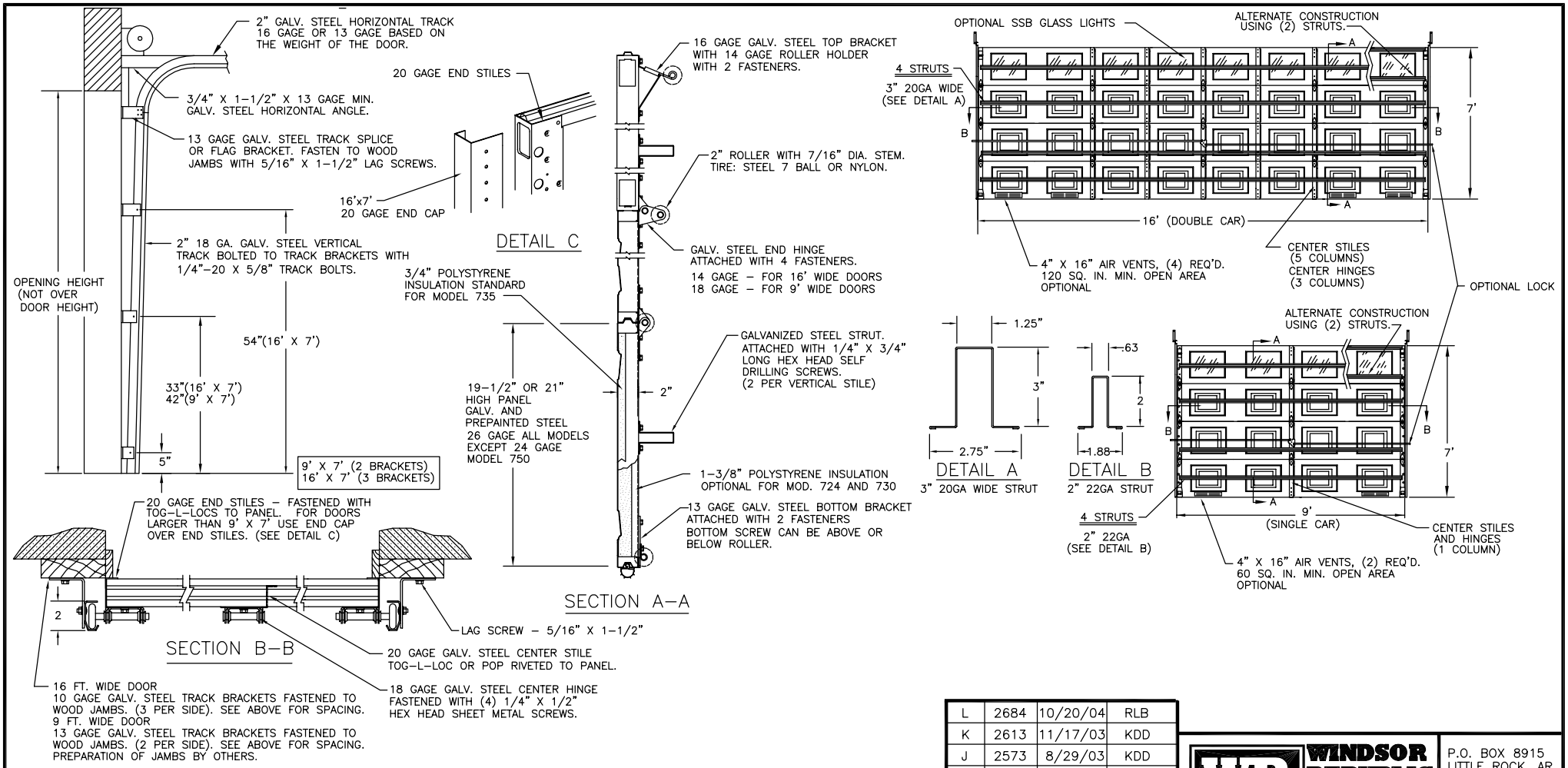


P.S.F. TABLE					
DOOR SIZE		DESIGN PRESSURE		TEST PRESSURE	
WIDTH	HEIGHT	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
8'-0"	7'-0"	21.8	-25.0	32.7	-37.5
9'-0"	7'-0"	19.4	-22.2	29.1	-33.3
16'-0"	7'-0"	18.7	-20.9	28.1	-31.3

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: 110 MPH, 30' ROOF HEIGHT, ROOF PITCH > 10°, 2' OF DOOR IN END ZONE. FBC ASSUMPTIONS: 110 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 Scates PE
Florida Reg. #51737
1411 LeMay #205
Carrollton, TX 75007
(972)466-0550

NOTE: GLAZING DOES NOT SATISFY IMPACT DEBRIS REQUIREMENTS IN FBC

REV.	E.C.N.	DATE:	APPROV.
L	2684	10/20/04	RLB
K	2613	11/17/03	KDD
J	2573	8/29/03	KDD
I	2422	3/5/02	KDD
H	2413	1/25/02	
G	2137	2/9/00	
F	1549A	5/14/96	
E	1549		
D	1449	(9-8-95)	(Robertson)
C	1377	11/18/94	(RLB)
B	1373	(11/02/94)	(RLB)
A	1336	3/3/94	

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

MODELS:
724, 426, 730, 735, 750, 800, 755, 765

DWG. WAS 101993-2

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

PART NAME:
WINDLOAD RESIDENTIAL STEEL DOOR FOR IBC 110 MPH, FBC 110 MPH EXPOSURE "B"

NEXT LEVEL

DATE: 11-19-93

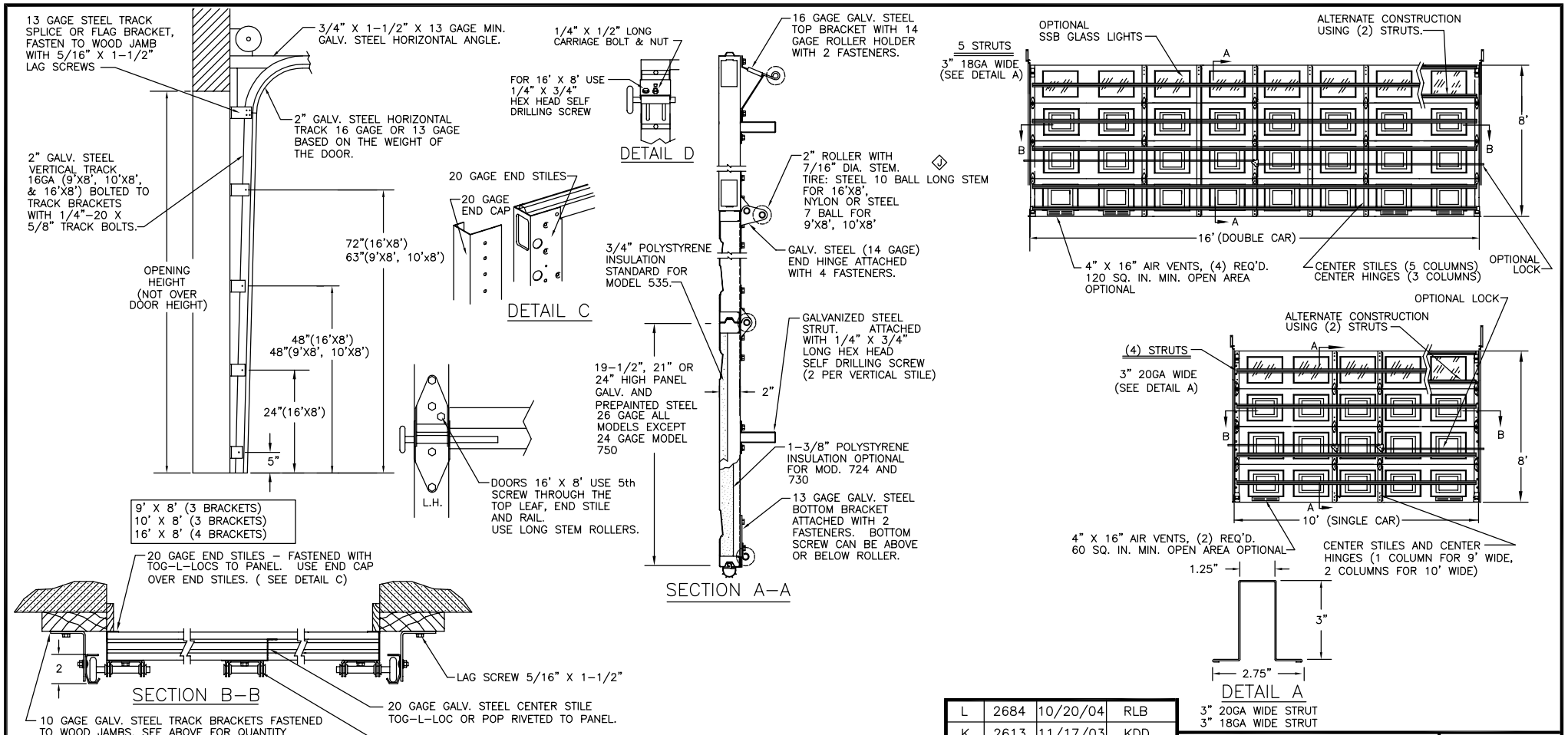
DWG. NO. 99-B-032

SCALE NONE

PLOT SCALE 1=1

DRN. BY BH

SHT 1 OF 4



P.S.F. TABLE					
DOOR SIZE		DESIGN PRESSURE		TEST PRESSURE	
WIDTH	HEIGHT	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
9'-0"	8'-0"	25.5	-29.1	38.2	-43.7
10'-0"	8'-0"	20.7	-23.6	31.0	-35.4
16'-0"	8'-0"	20.7	-23.1	31.0	-34.6

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: 110 MPH, 30' ROOF HEIGHT, ROOF PITCH > 10°, 2' OF DOOR IN END ZONE. FBC ASSUMPTIONS: 110 MPH, EXPOSURE "B", 30' ROOF HEIGHT, ROOF PITCH > 10°, 2' OF DOOR IN END ZONE.

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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 Reg. #51737
1411 LeMay #205
Carrollton, TX 75007
(972)466-0550

NOTE: GLAZING DOES NOT SATISFY IMPACT DEBRIS REQUIREMENTS IN FBC

REV.	E.C.N.	DATE:	APPROV.
L	2684	10/20/04	RLB
K	2613	11/17/03	KDD
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I	2422	3/5/02	KDD
H	2413	1/25/02	
G	2137	2/9/00	
F	1549A	5/14/96	
E	1549		
D	1449	(9-8-95)	(Roberson)
C	1377	11/18/94	(RLB)
B	1373	(11/02/94)	(RLB)
A	1336	3/3/94	

WINDSOR REPUBLIC DOORS

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

MODELS:
724, 426, 730, 735, 750, 800, 755, 765

DWG. WAS 101993-2

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

PART NAME:
WINDLOAD RESIDENTIAL STEEL DOOR FOR IBC 110 MPH, FBC 110 MPH EXPOSURE "B"

NEXT LEVEL

DATE: 11-19-93

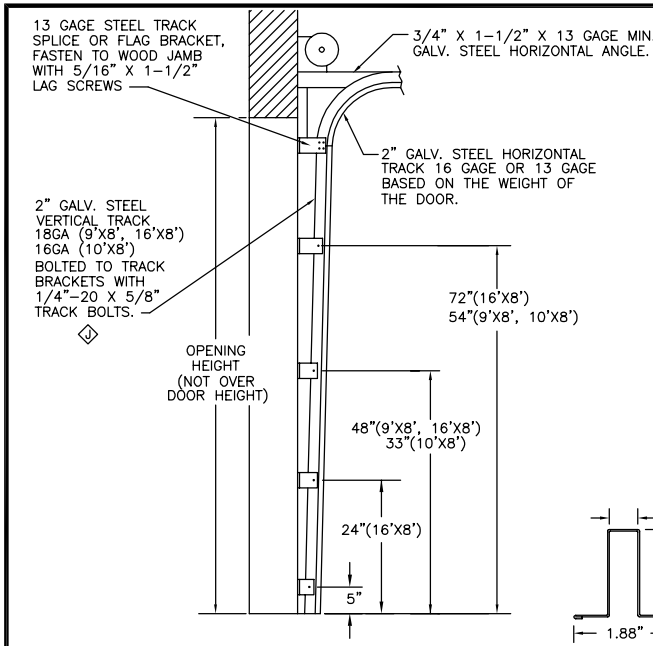
DWG. NO. 99-B-032

SCALE NONE

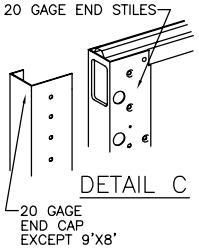
PLOT SCALE 1=1

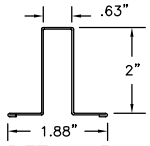
DRN. BY BH

SHT 2 OF 4

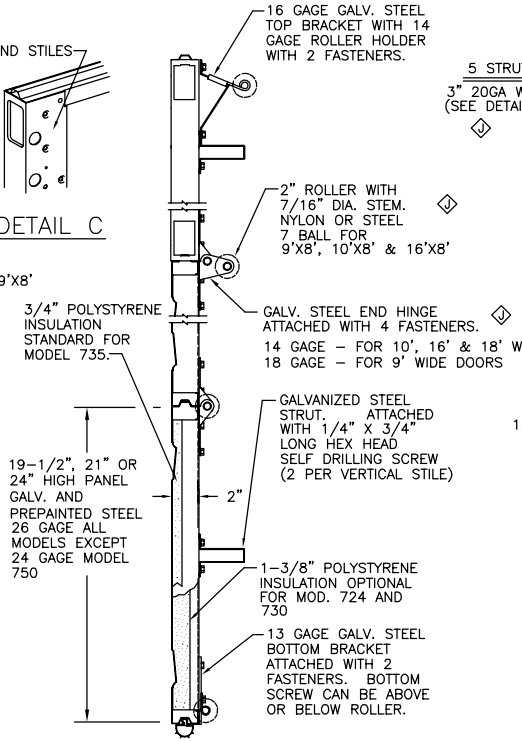


9' X 8' (3 BRACKETS)
10' X 8' (3 BRACKETS)
16' X 8' (4 BRACKETS)

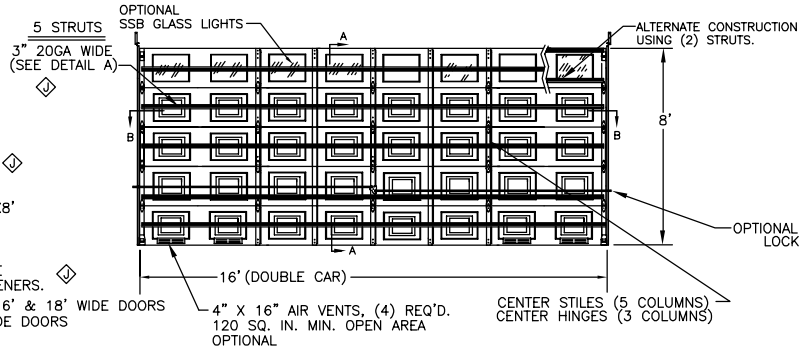


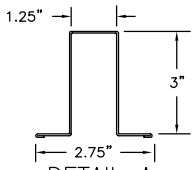


DETAIL B
2" 22GA STRUT
J

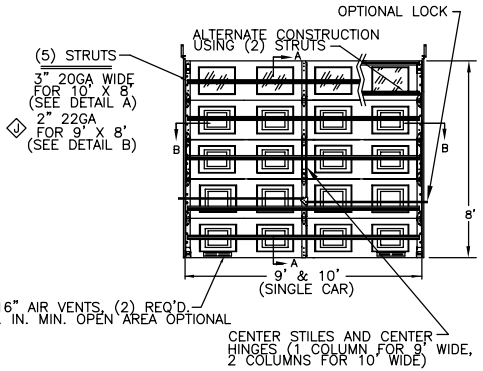


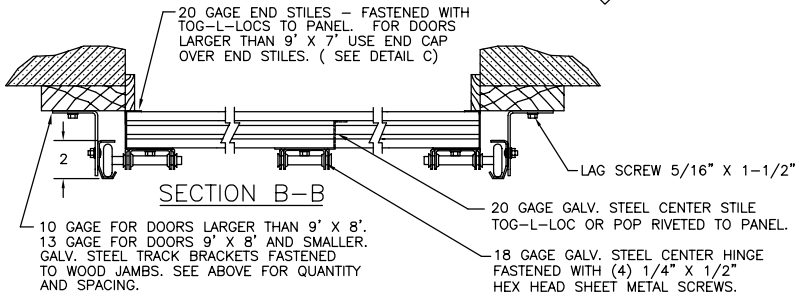
SECTION A-A





DETAIL A
3" 20GA WIDE STRUT
3" 18GA WIDE STRUT





SECTION B-B

10 GAGE FOR DOORS LARGER THAN 9' X 8'. 13 GAGE FOR DOORS 9' X 8' AND SMALLER. GALV. STEEL TRACK BRACKETS FASTENED TO WOOD JAMBS. SEE ABOVE FOR QUANTITY AND SPACING.

P.S.F. TABLE					
DOOR SIZE		DESIGN PRESSURE		TEST PRESSURE	
WIDTH	HEIGHT	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
9'-0"	8'-0"	19.4	-22.2	29.1	-33.3
10'-0"	8'-0"	20.7	-23.6	31.0	-35.4
16'-0"	8'-0"	18.7	-20.9	28.1	-31.3

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.
J

DOORS SHOWN ON THIS DRAWING HAVE BEEN DEMONSTRATED TO WITHSTAND THE PRESSURES LISTED IN THE TABLE ABOVE. IBC ASSUMPTIONS: 110 MPH, 30' ROOF HEIGHT, ROOF PITCH > 10°, 2' OF DOOR IN END ZONE. FBC ASSUMPTIONS: 110 MPH, EXPOSURE "B", 30' ROOF HEIGHT, ROOF PITCH > 10°, 2' OF DOOR IN END ZONE. J

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.

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NOTE: GLAZING DOES NOT SATISFY IMPACT DEBRIS REQUIREMENTS IN FBC

REV.	E.C.N.	DATE:	APPROV.
L	2684	10/20/04	RLB
K	2613	11/17/03	KDD
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I	2422	3/5/02	KDD
H	2413	1/25/02	
G	2137	2/9/00	
F	1549A	5/14/96	
E	1549		
D	1449	(9-8-95)	(Robertson)
C	1377	11/18/94	(RLB)
B	1373	(11/02/94)	(RLB)
A	1336	3/3/94	

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72219-8915
(501) 562-1872

MODELS:
724, 426, 730, 735, 750, 800, 755, 765

DWG. WAS 101993-2

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

PART NAME:
WINDLOAD RESIDENTIAL STEEL DOOR FOR IBC 110 MPH, FBC 110 MPH EXPOSURE "B"

NEXT LEVEL

DATE: 11-19-93

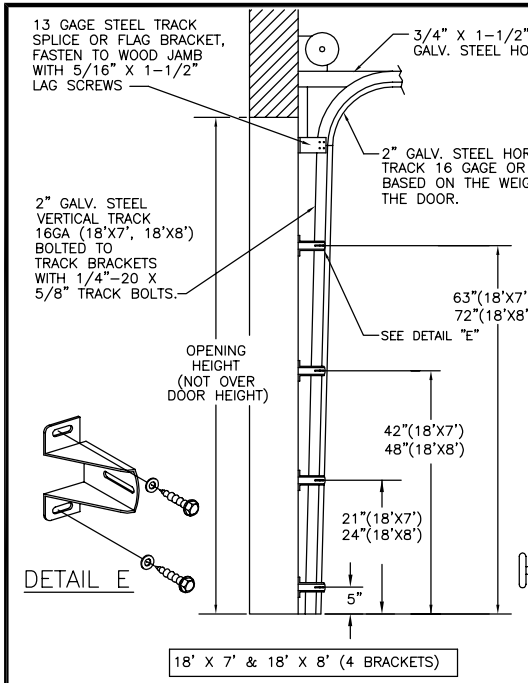
DWG. NO. 99-B-032

SCALE NONE

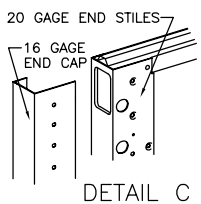
PLOT SCALE 1=1

DRN. BY BH

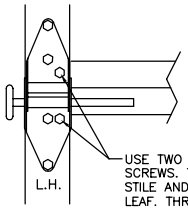
SHT 3 OF 4



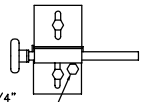
DETAIL E



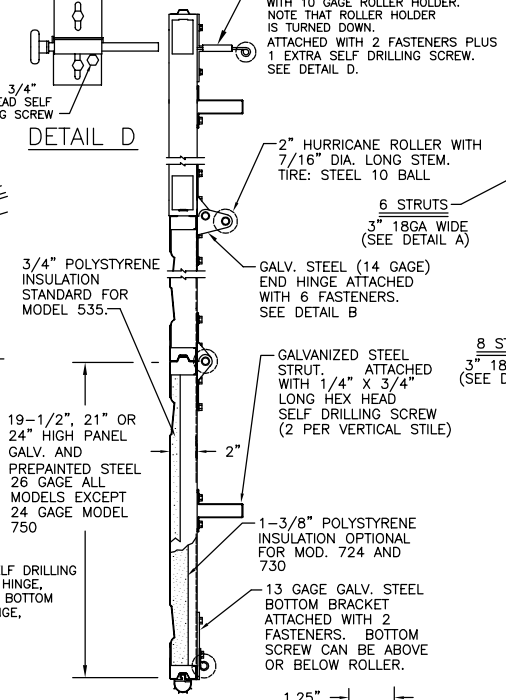
DETAIL C



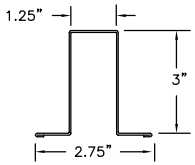
DETAIL B



DETAIL D

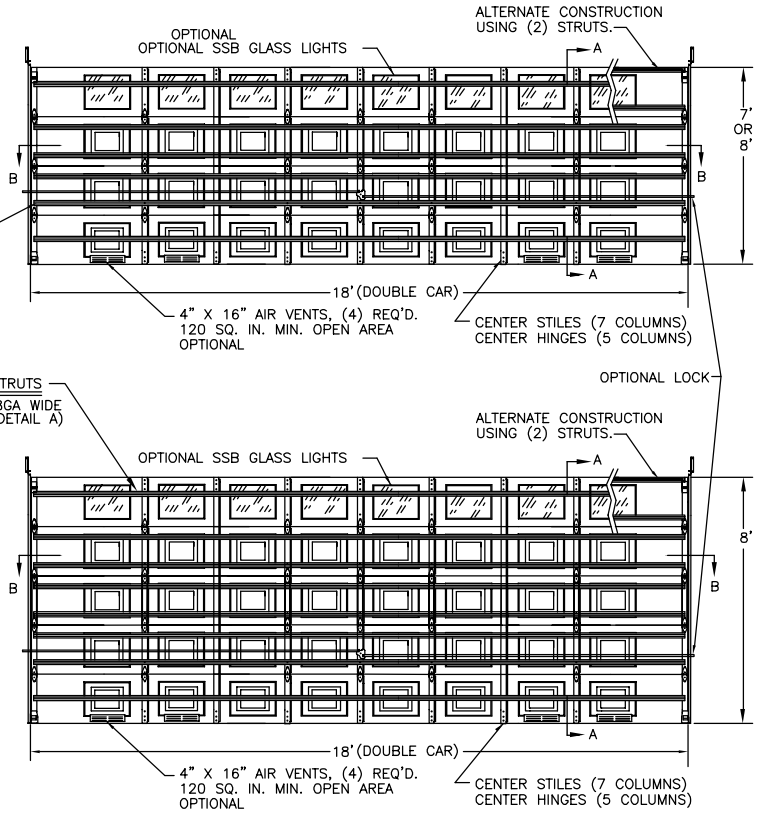


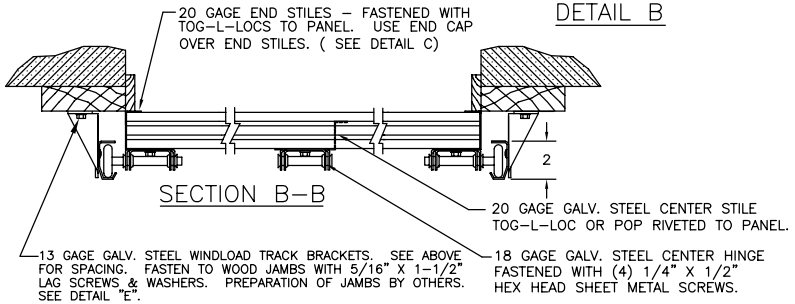
SECTION A-A



DETAIL A

3" 18GA WIDE STRUT





SECTION B-B

P.S.F. TABLE					
DOOR SIZE		DESIGN PRESSURE		TEST PRESSURE	
WIDTH	HEIGHT	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE	
18'-0"	7'-0"	22.1	-25.1	33.1	-37.7	4 SECTION
18'-0"	8'-0"	22.1	-25.1	33.1	-37.7	5 SECTION
18'-0"	8'-0"	19.3	-22.0	29.0	-33.0	4 SECTION

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DOORS SHOWN ON THIS DRAWING HAVE BEEN DEMONSTRATED TO WITHSTAND THE PRESSURES LISTED IN THE TABLE ABOVE. IBC ASSUMPTIONS: 110 MPH, 30' ROOF HEIGHT, ROOF PITCH > 10°, 2' OF DOOR IN END ZONE. FBC ASSUMPTIONS: 110 MPH, EXPOSURE "B", 30' ROOF HEIGHT, ROOF PITCH > 10°, 2' OF DOOR IN END ZONE.

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REV.	E.C.N.	DATE:	APPROV.
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K	2613	11/17/03	KDD
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G	2137	2/9/00	
F	1549A	5/14/96	
E	1549		
D	1449	(9-8-95)	(Robertson)
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A	1336	3/3/94	

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MODELS:
724, 426, 730, 735, 750, 800, 755, 765

DWG. WAS 101993-2

PART NAME:
WINDLOAD RESIDENTIAL STEEL DOOR FOR IBC 110 MPH, FBC 110 MPH EXPOSURE "B"

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

NEXT LEVEL

DATE: 11-19-93

DWG. NO. 99-B-032

SCALE NONE

PLOT SCALE 1=1

DRN. BY BH

SHT 4 OF 4