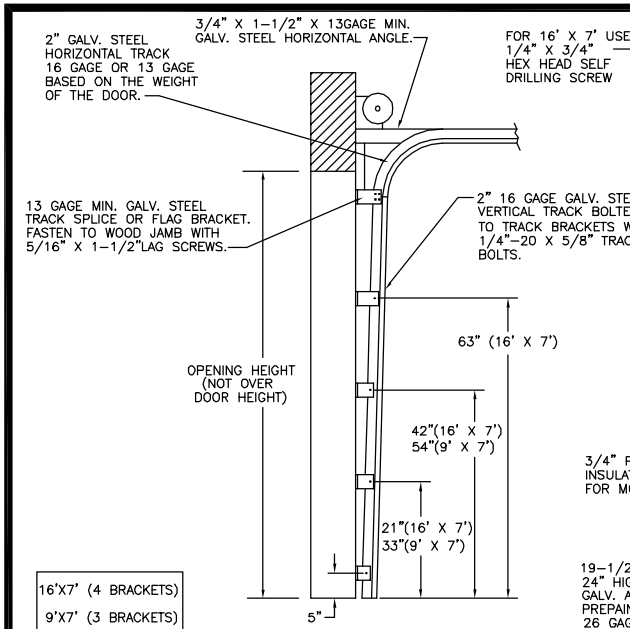
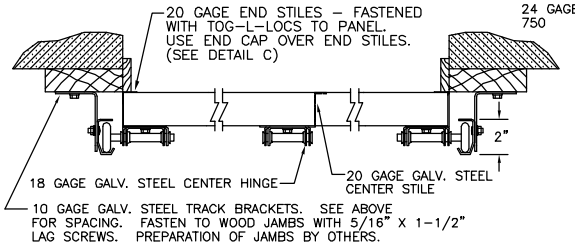
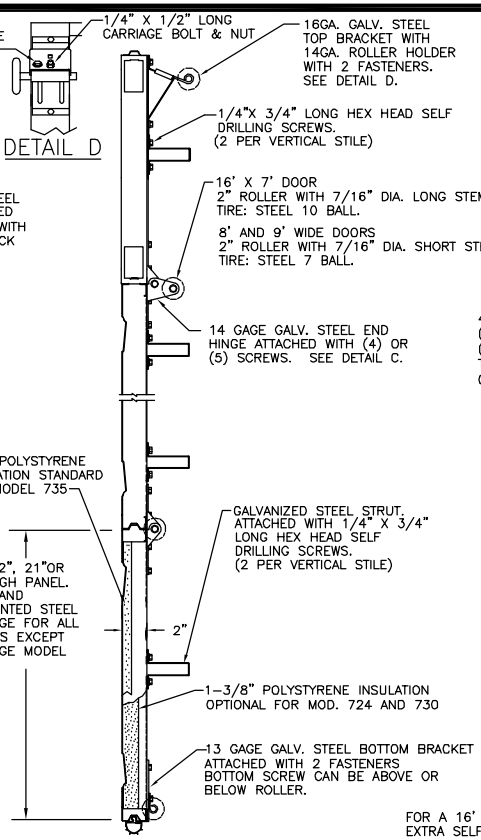
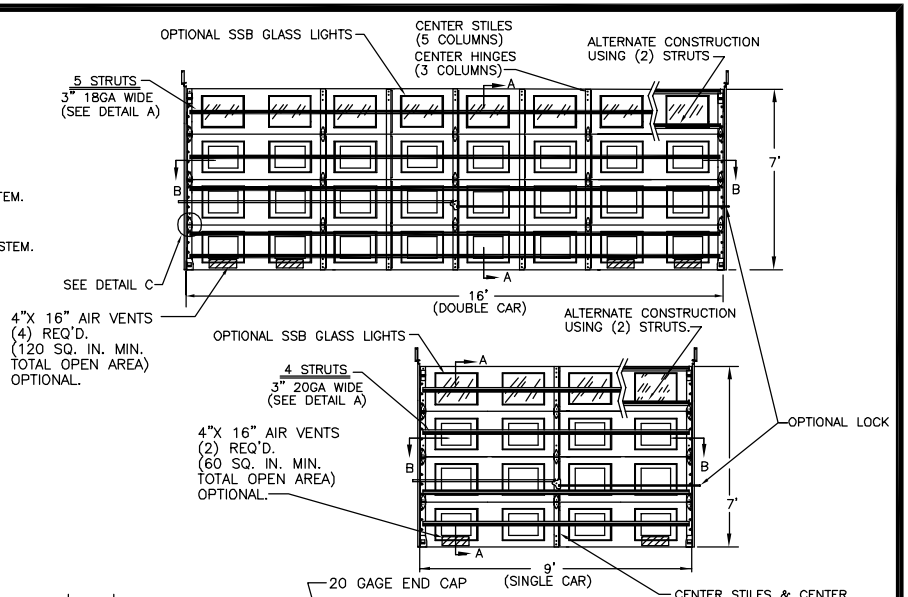


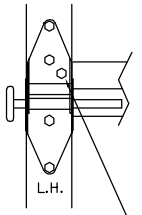


SECTION B-B

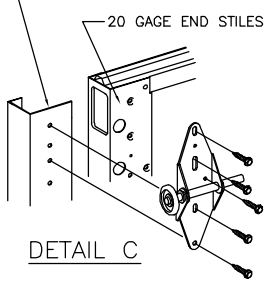


SECTION A-A

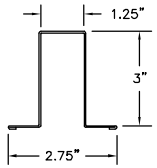




FOR A 16' X 7' DOOR USE ONE EXTRA SELF DRILLING SCREW THROUGH TOP LEAF OF HINGE, END STILE, CAP AND RAIL. AND USE LONG STEM ROLLERS.



DETAIL C



DETAIL A

3" 20GA WIDE STRUT
3" 18GA WIDE STRUT

P.S.F. TABLE					
DOOR SIZE		DESIGN PRESSURE		TEST PRESSURE	
WIDTH	HEIGHT	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
8'-0"	7'-0"	+32.8	-37.4	+49.2	-56.1
9'-0"	7'-0"	+29.1	-33.3	+43.7	-49.9
16'-0"	7'-0"	+23.6	-26.3	+35.4	-39.5

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 Scates PE
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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: GLAZING DOES NOT SATISFY IMPACT DEBRIS REQUIREMENTS IN FBC

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F	2413	1/25/02	
E	2137	2/9/00	
D	1724	6/24/97	
C	1549A		
B	1549		
A	1449	(9-8-95)	(Robertson)
	1366	(11-01-94)	(SCATES)

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 101993-8, 9

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

PART NAME:
WINDLOAD RESIDENTIAL STEEL DOOR FOR IBC 120 MPH, FBC 120 MPH EXPOSURE "B"

NEXT LEVEL

DATE: 9/14/94

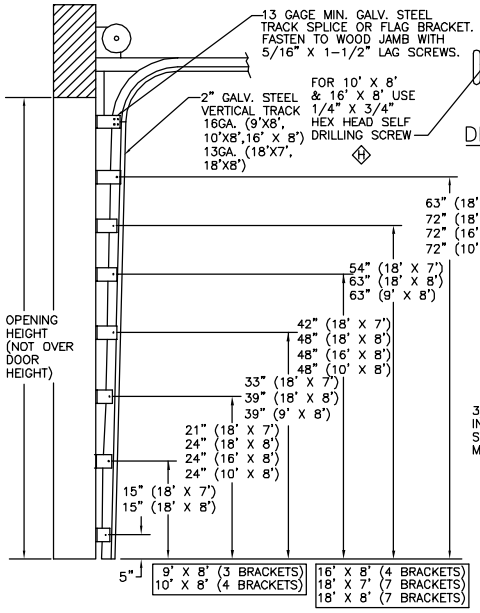
DWG. NO. 99-B-033

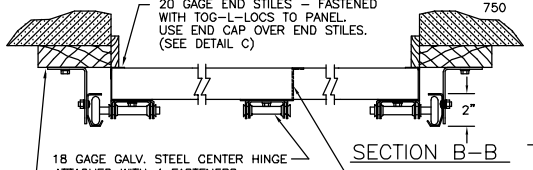
SCALE NONE

PLOT SCALE 1=1

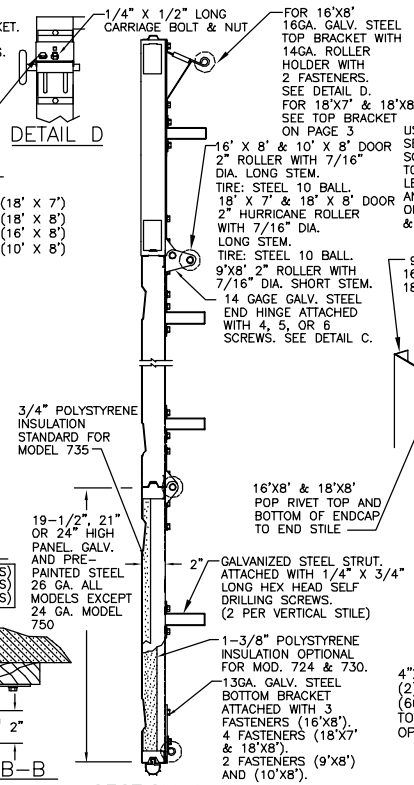
DRN. BY GDR

SHEET 1 OF 3

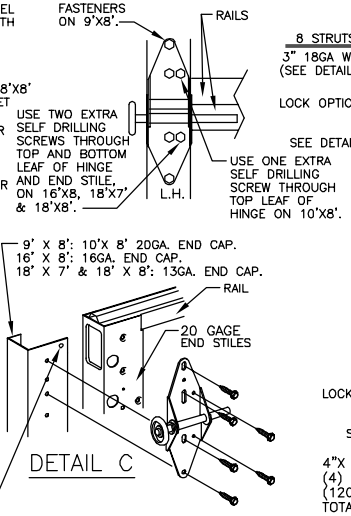




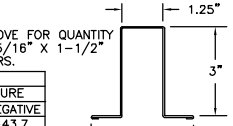
SECTION B–B



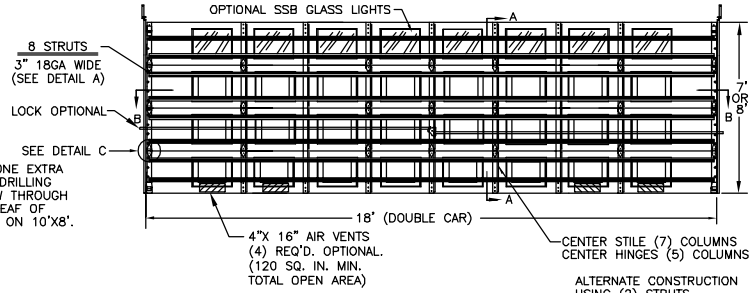
SECTION A–A

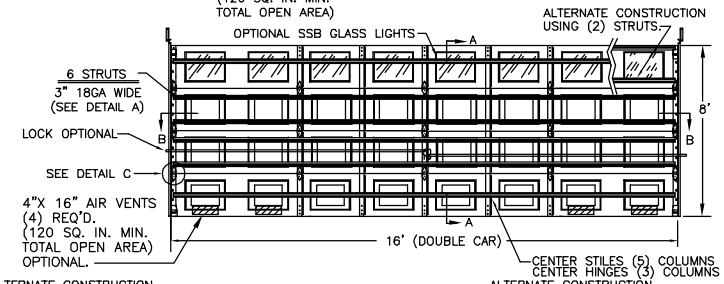


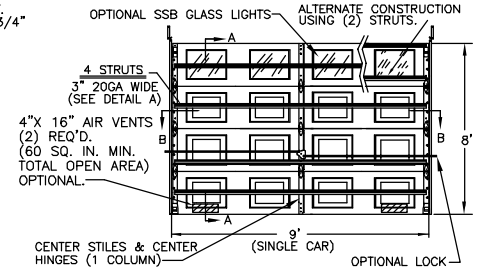
DETAIL C

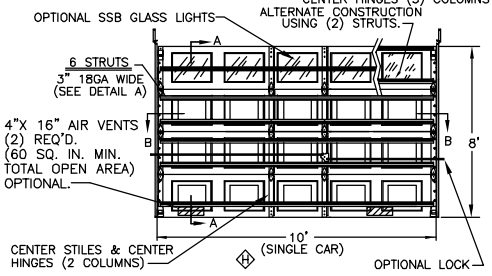


DETAIL A
3" 18GA WIDE STRUT









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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"	+33.0	-36.9	+49.6	-55.3
16'-0"	8'-0"	+24.3	-27.3	+36.6	-41.1
18'-0"	8'-0"	+27.3	-30.7	+41.0	-46.0
18'-0"	7'-0"	+27.3	-30.7	+41.0	-46.0

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NOTE: GLAZING DOES NOT SATISFY IMPACT DEBRIS REQUIREMENTS IN FBC

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72219-8915
(501) 562-1872

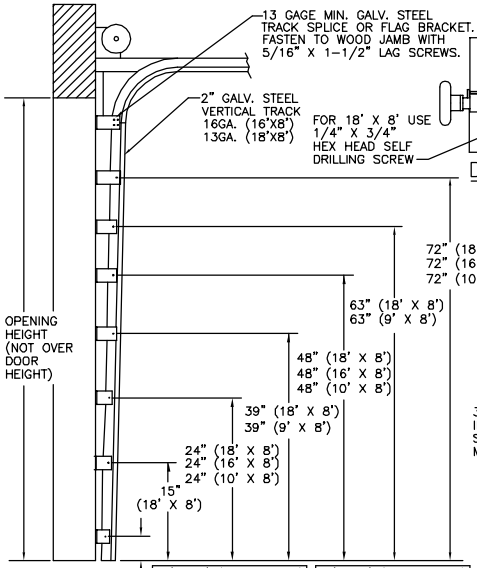
MODELS:
724, 426, 730, 735, 750, 800, 755, 765

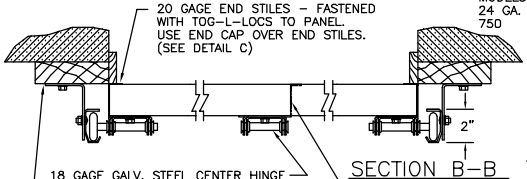
DWG. WAS 101993-8, 9

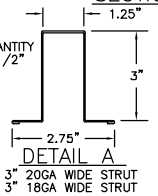
PART NAME:
WINDLOAD RESIDENTIAL STEEL DOOR FOR IBC 120 MPH, FBC 120 MPH EXPOSURE "B"

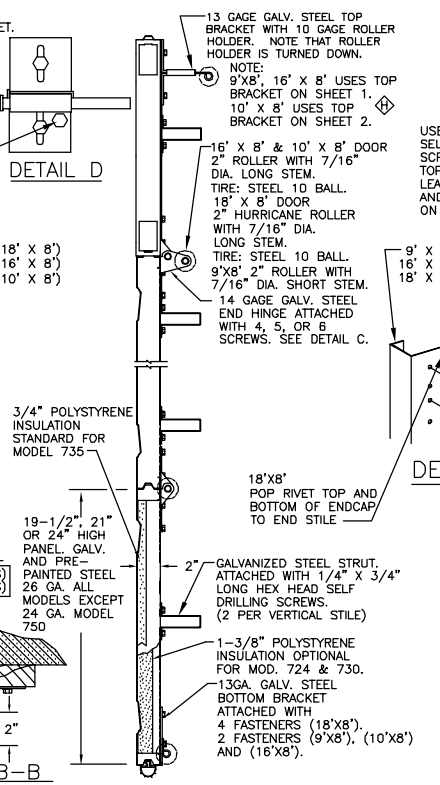
NEXT LEVEL | DATE: 9/14/94 | DWG. NO. 99-B-033

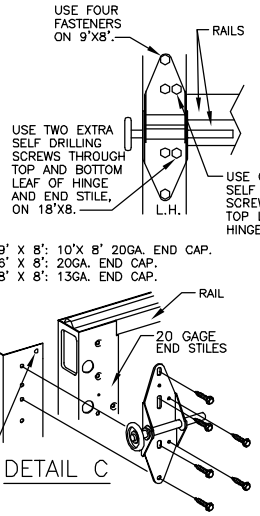
SCALE NONE | PLOT SCALE 1=1 | DRN. BY GDR | SHEET 2 OF 3

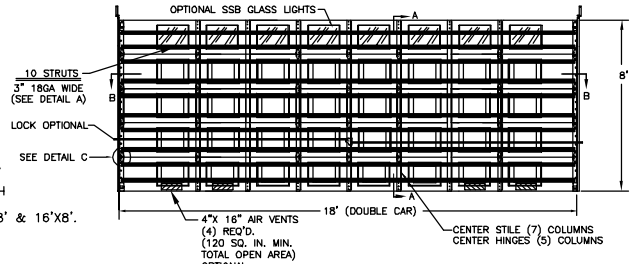


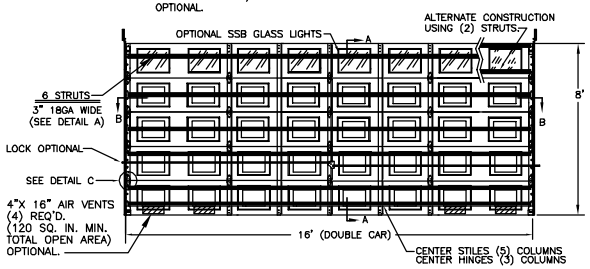


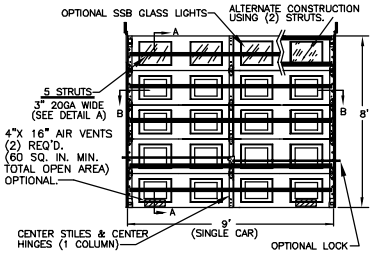


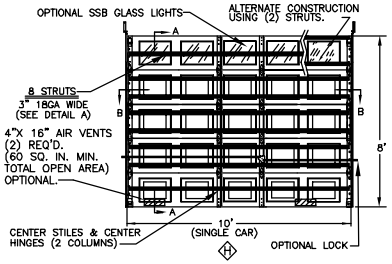












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NEXT LEVEL

DATE: 9/14/94

DWG. NO. 99-B-033

SCALE NONE

PLOT SCALE 1=1

DRN. BY GDR

SHEET 3 OF 3