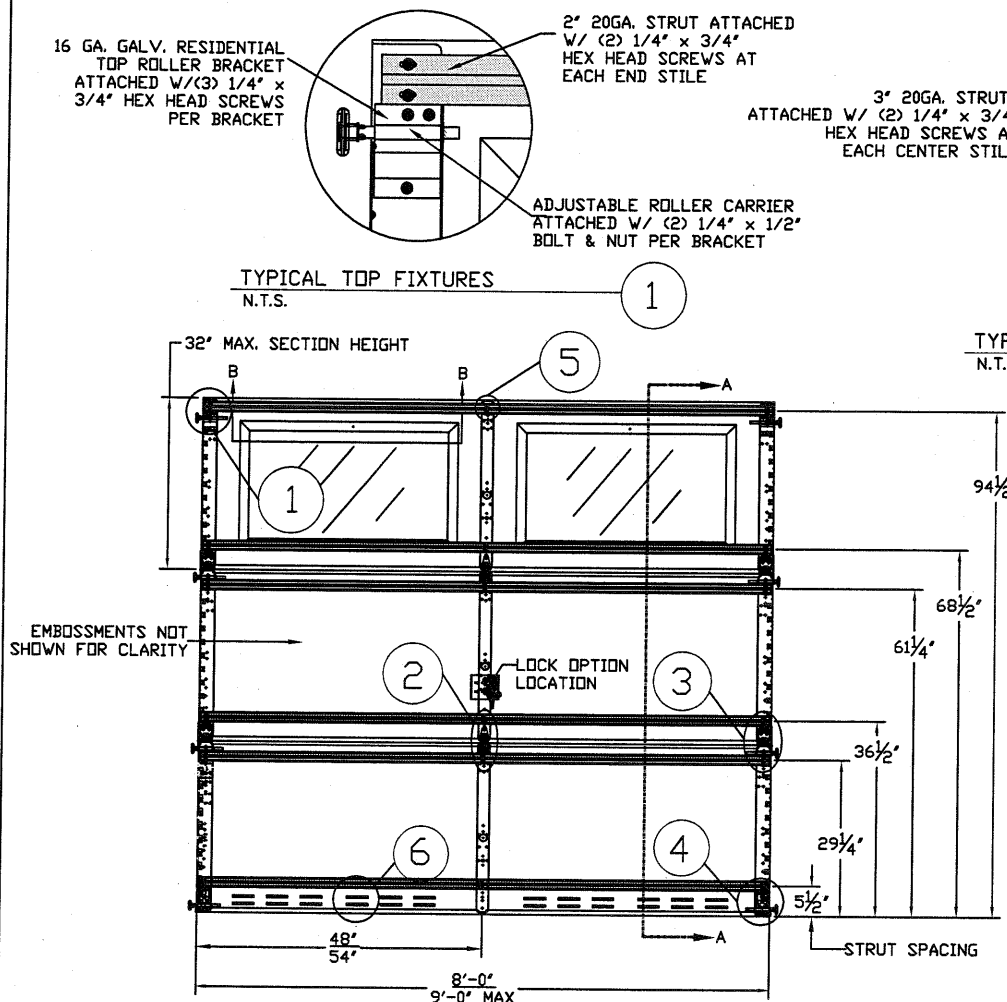
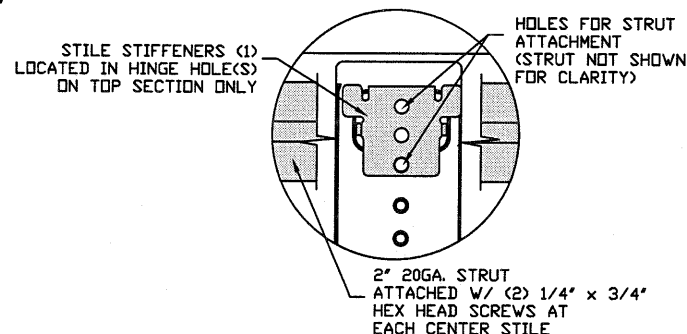


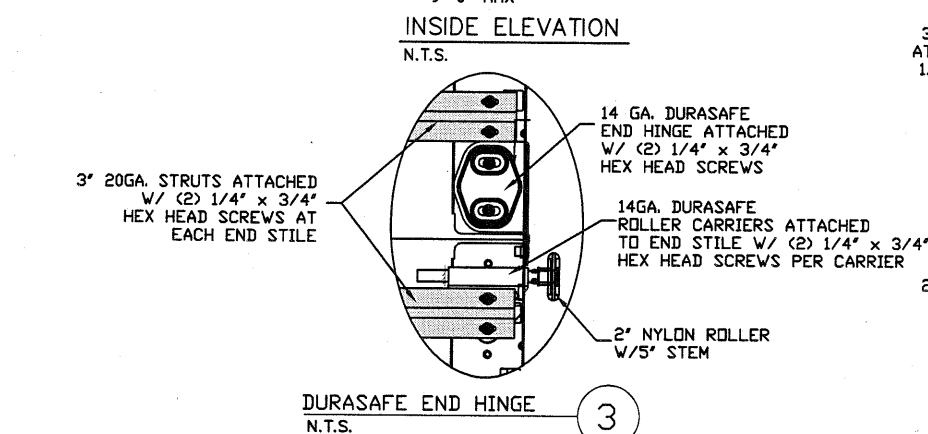


TYPICAL TOP FIXTURES
N.T.S.

TYPICAL DURASAFE CENTER HINGE
N.T.S.

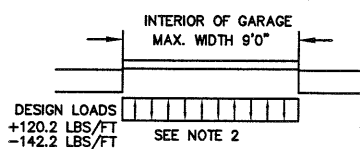


TYPICAL STILE STIFFENER
N.T.S.



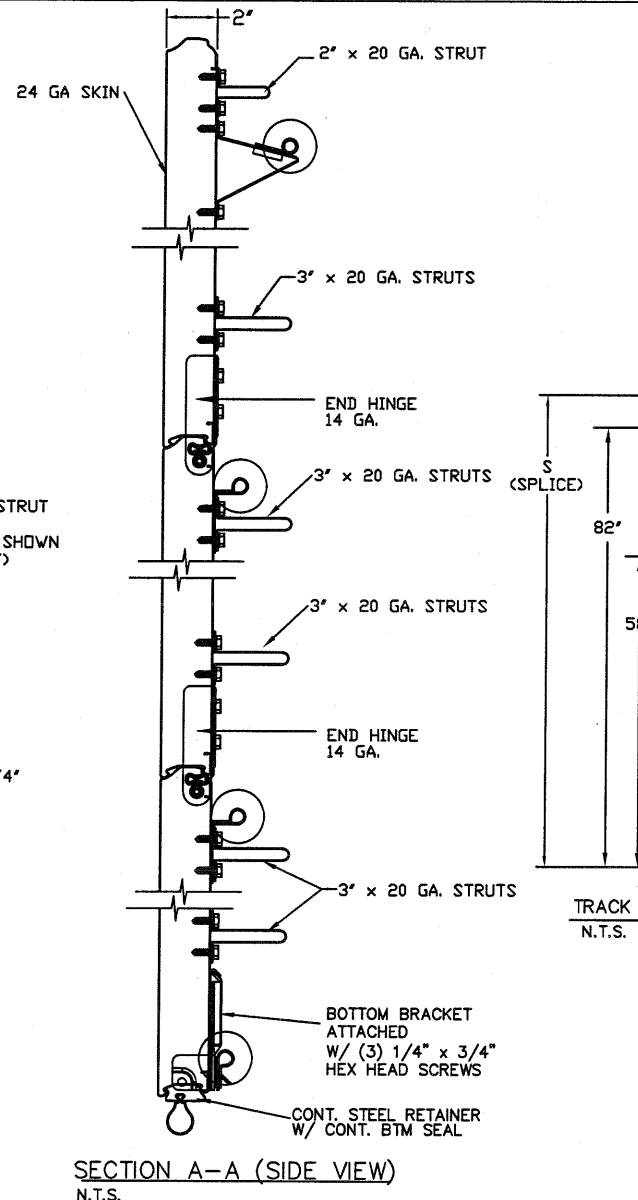
DURASAFE END HINGE
N.T.S.

TYPICAL BOTTOM BRACKET
N.T.S.

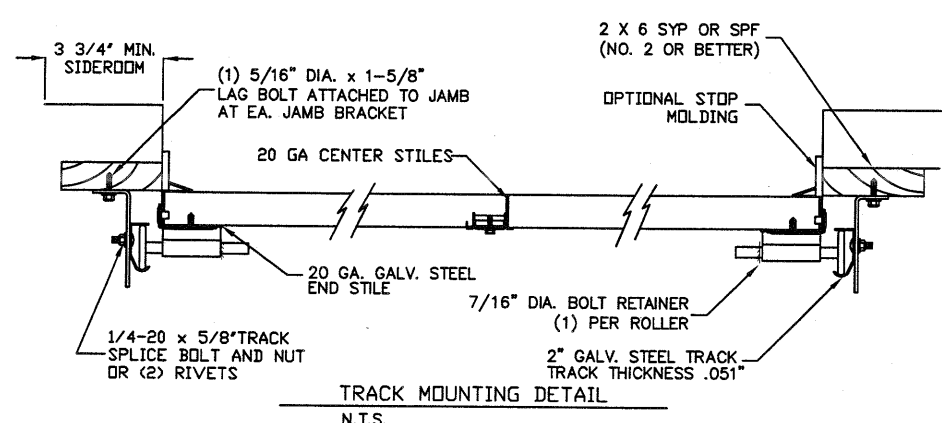
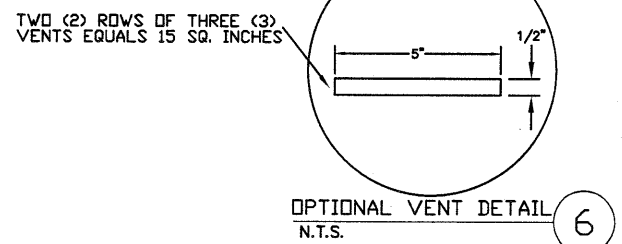


SPECIFICATIONS AND NOTES

- ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE VERTICAL TRACK. FROM THE TRACK THE LOAD IS TRANSFERRED TO THE VERTICAL JAMBS. THE HORIZONTAL JAMB OR HEADER RECEIVES NO PORTION OF THE LOAD TRANSFERRED FROM THE DOOR.
- EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF:
+120.2 LBS/FT & -142.2 LBS/FT
- DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASHA.
- DOOR SECTIONS SHALL BE 24 GA. MIN. (.022") ROLLED FORMED LIGHT COMMERCIAL QUALITY.
- SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.



SECTION A-A (SIDE VIEW)
N.T.S.



TRACK MOUNTING DETAIL
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE	9' x 8'		
DESIGN LOADS	+26.7 PSF -31.6 PSF		
TEST LOADS (1.5 x DESIGN LOADS)	+40.1 PSF -47.4 PSF		

Thomas L. Shelmerdine, PE (FL PE #0048579)
Structural Solutions, PA (FL Firm #29412)

FL

THOMAS L. SHELMERDINE
LICENSE
No. 48579
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

dba Structural Solutions of North Carolina, Inc.
5921-G.W. Friendly Ave., Greensboro, NC 27410

Amarr

MODEL 500 AMARR CLASSICA 1000, 2000

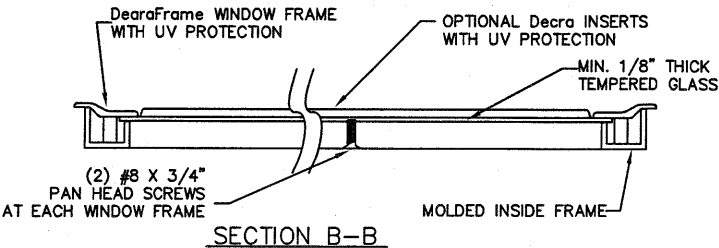
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B	CHECKED BY	AAE	DATE	05/18/04	IRC-5309-130-15

ENTREMATIC
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105

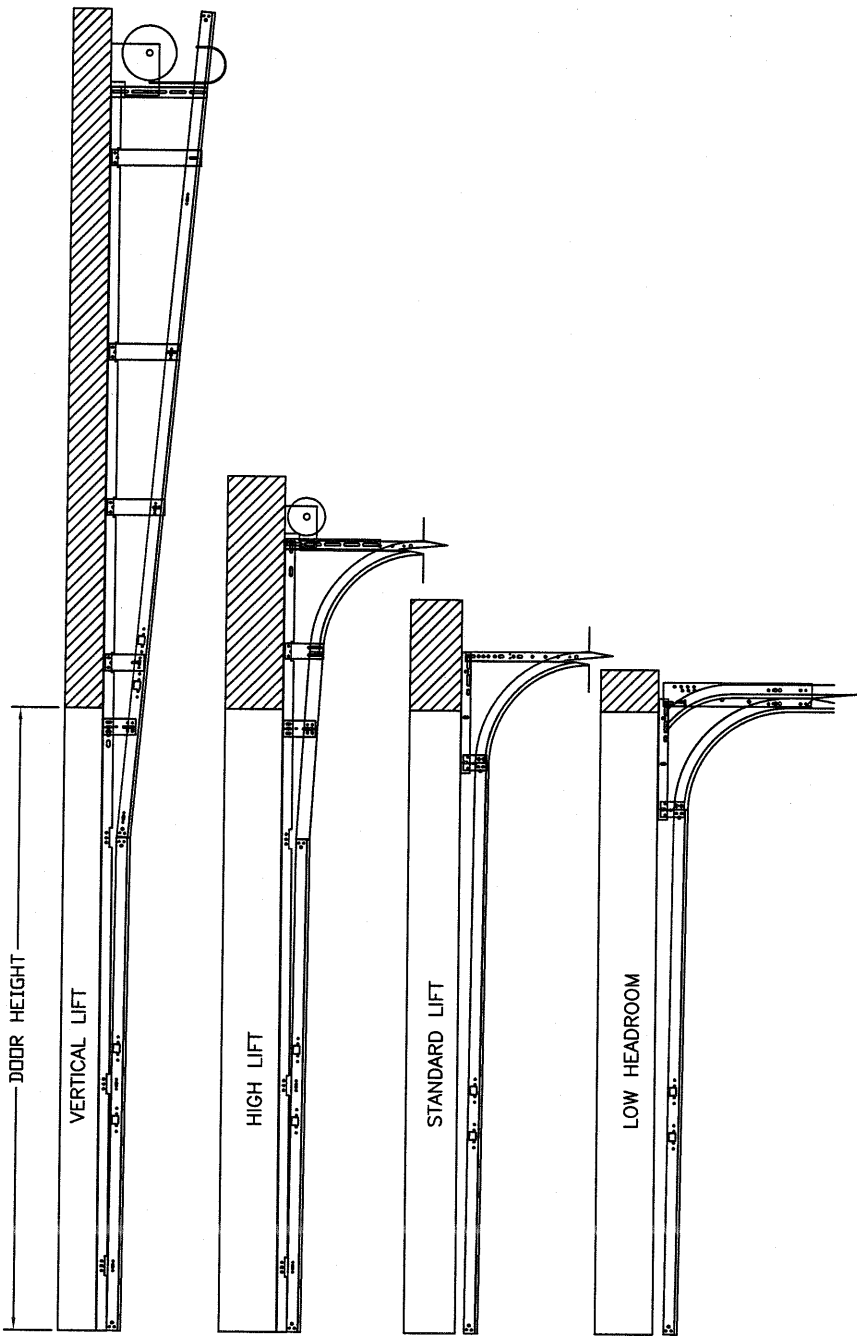
SHEET 1 OF 2

GLAZING OPTION CROSS SECTION

GLAZING NOT AVAILABLE IN WIND-BORNE DEBRIS REGION
GLAZING MEETS ASTM E 1300-04



Section	Center Stile Location (Measured from Left		Max Design Loads Allowed	
Width (ft)	1st (in)	2st (in)	Positive (PSF)	Negative (PSF)
6' 0	24.644	47.3565	39.8	47.2
7' 0	29.144	54.857	34.2	40.4
7' 2	29.894	56.107	33.4	39.5
7' 4	30.644	57.357	32.6	38.6
7' 6	45.000		31.9	37.7
7' 8	46.000		31.2	36.9
7' 10	47.000		30.5	36.1
8' 0	48.000		29.9	35.4
8' 2	49.000		29.3	34.7
8' 4	50.000		28.7	34.0
8' 6	51.000		28.1	33.3
8' 8	52.000		27.6	32.7
8' 10	53.000		27.1	32.0
9' 0	54.000		26.7	31.6



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

WOOD JAMB ATTACHMENT TO STRUCTURE

2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 24" O.C. (1 1/2" EMBEDMENT)
2 X 6 VERTICAL JAMB ATTACHMENT TO 2,000 PSI CONCRETE
HILTI KWIK BOLT 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT)
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C. (1 1/4" EMBEDMENT)
ITW/RAMSET REDHEAD (TRU-BOLT) 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT)
2 X 6 VERTICAL JAMB ATTACHMENT TO HOLLOW C-90 BLOCK
SIMPSON 1/4" X 3" TITEN SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 24" O.C. (1 1/2" EMBEDMENT)
HILTI 1/4" X 2-3/4" KWIK-CON II+ SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 24" O.C. (1 1/4" EMBEDMENT)
2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT)
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C. (1 1/4" EMBEDMENT) (OR, USE FASTENERS FOR HOLLOW C-90 BLOCK)

*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
*PREPARATION OF WOOD JAMBS BY OTHERS

WOOD STRUCTURE
EMBEDMENT
1/2" MIN

CONCRETE STRUCTURE
2-3/4" MIN

HOLLOW BLOCK STRUCTURE
1-1/2" MIN
3" MIN

GROUTED BLOCK STRUCTURE
4"

2X6 JAMB TYP.

REV	DESCRIPTION OF REVISIONS	DATE	BY
	MAX SIZE 9' x 8'		
	DESIGN LOADS +26.7 PSF -31.6 PSF		
	TEST LOADS (1.5 x DESIGN LOADS) +40.1 PSF -47.4 PSF		

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SHEET 2 OF 2