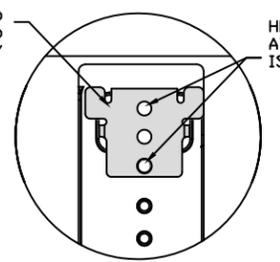
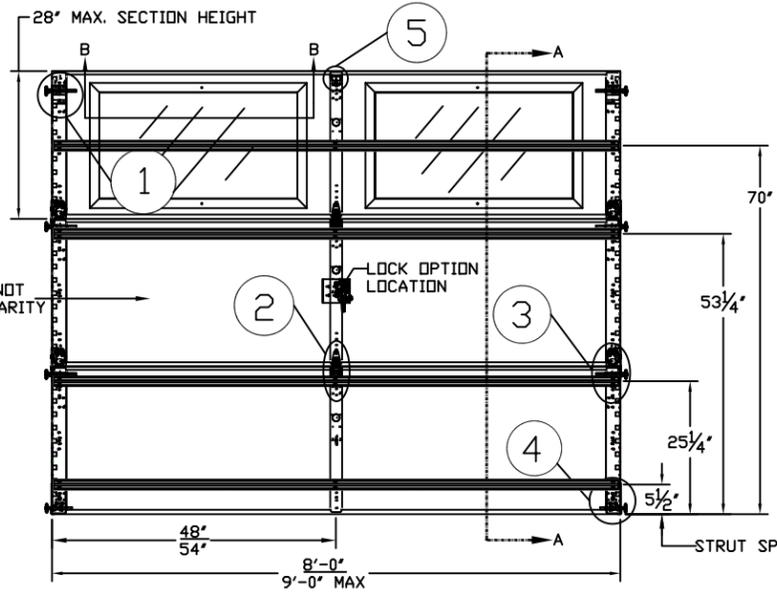


STILE STIFFENERS (1) LOCATED IN HINGE HOLE(S) ON TOP SECTION ONLY

HOLES FOR STRUT ATTACHMENT (IF STRUT IS REQUIRED)

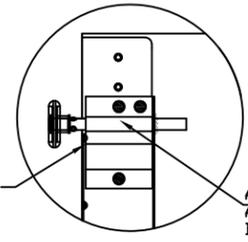


TYPICAL STILE STIFFENER (5) N.T.S.



INSIDE ELEVATION N.T.S.

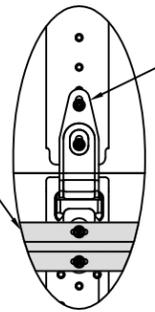
16 GA. GALV. RESIDENTIAL TOP ROLLER BRACKET ATTACHED W/ (3) 1/4" x 3/4" HEX HEAD SCREWS PER BRACKET



TYPICAL TOP FIXTURES (1) N.T.S.

ADJUSTABLE ROLLER CARRIER ATTACHED W/ (2) 1/4" x 1/2" BOLT & NUT PER BRACKET

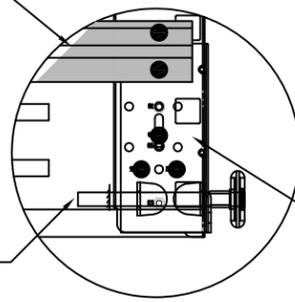
14GA. DURASAFE CENTER HINGE ATTACHED W/ (4) 1/4" x 3/4" HEX HEAD SCREWS



TYPICAL DURASAFE CENTER HINGE (2) N.T.S.

3" 20GA. STRUTS ATTACHED W/ (2) 1/4" x 3/4" HEX HEAD SCREWS AT CENTER STILE

3" 20GA. STRUTS ATTACHED W/ (2) 1/4" x 3/4" HEX HEAD SCREWS



TYPICAL BOTTOM BRACKET (4) N.T.S.

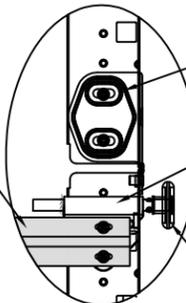
BOTTOM BRACKET 14 GA. THICK ATTACHED W/ (3) 1/4" x 3/4" HEX HEAD SCREWS WITH A 13 GA. BRACKET SLIDER

2" NYLON ROLLER W/ 5" STEM

14 GA. DURASAFE END HINGE ATTACHED W/ (2) 1/4" x 3/4" HEX HEAD SCREWS

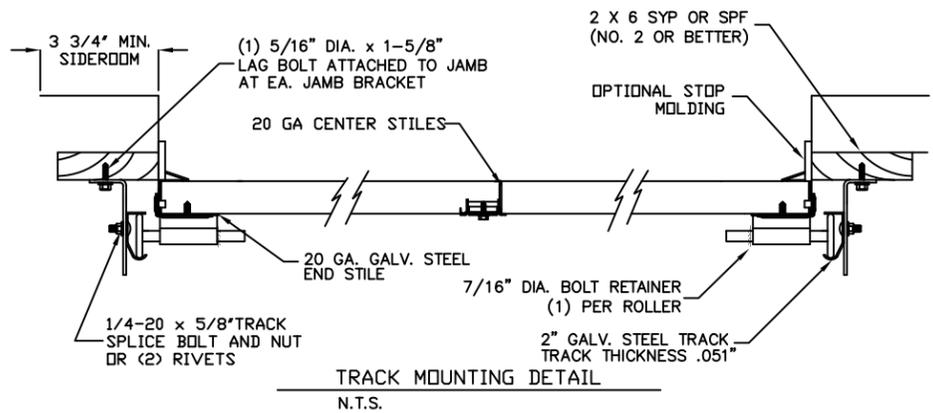
14GA. DURASAFE ROLLER CARRIERS ATTACHED TO END STILE W/ (2) 1/4" x 3/4" HEX HEAD SCREWS PER CARRIER

2" NYLON ROLLER W/ 5" STEM

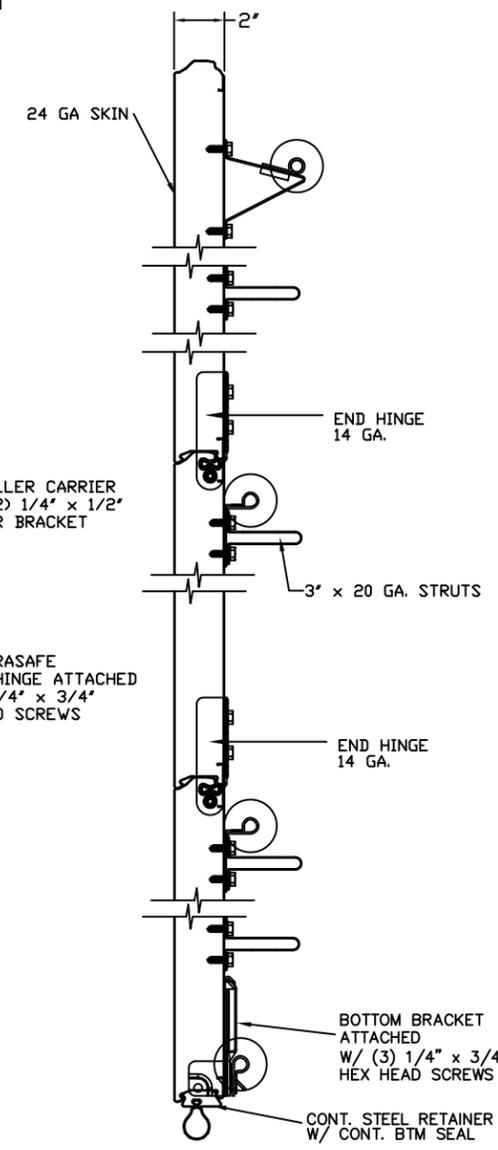


TYPICAL DURASAFE END HINGE (3) N.T.S.

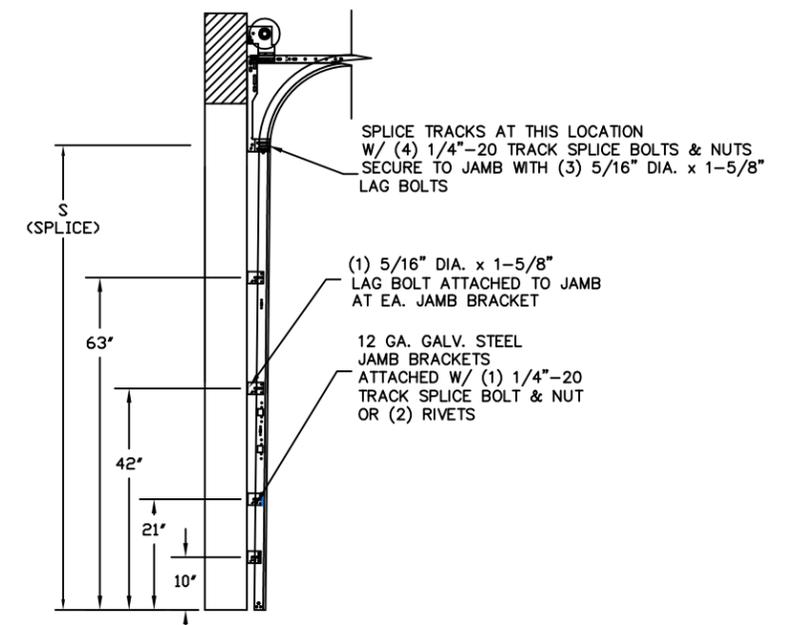
3" 20GA. STRUTS ATTACHED W/ (2) 1/4" x 3/4" HEX HEAD SCREWS



TRACK MOUNTING DETAIL N.T.S.

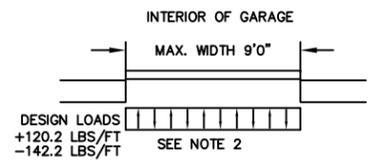


SECTION A-A (SIDE VIEW) N.T.S.



TRACK CONFIGURATION FOR 7' TALL DOORS N.T.S.

ALL TRACK ATTACHMENTS +/- 2" WITH SYP OR SPF NO. 2 OR BETTER



THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN ASTM E330 AND DASMA 108. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-98/02/05 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN THE END ZONE, ROOF AT ANY SLOPE, AND I=1.0):

WIND SPEED (MPH)	130	118	112	107	102
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

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 JAMB 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 DASMA.
- 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.

REV	DESCRIPTION OF REVISIONS	DATE	BY
A	WIND SPEED TABLE & TRACK CONFIGURATIONS	04/24/12	RLR

MAX SIZE 9' x 7'

DESIGN LOADS +26.7 PSF -31.6 PSF

TEST LOADS (1.5 x DESIGN LOADS) +40.1 PSF -47.4 PSF



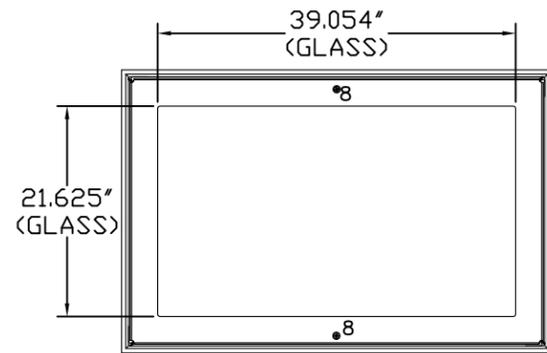
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105

MODEL #500 CLASSICA

SIZE	DRAWN BY DLJ	DATE 05/18/04	DRAWING NUMBER
B	CHECKED BY AAE	DATE 05/18/04	IRC-5209-130-15

ENGINEER: THOMAS L. SHELMERDINE P.E. LIC. No. 0048579 SHEET 1 OF 2

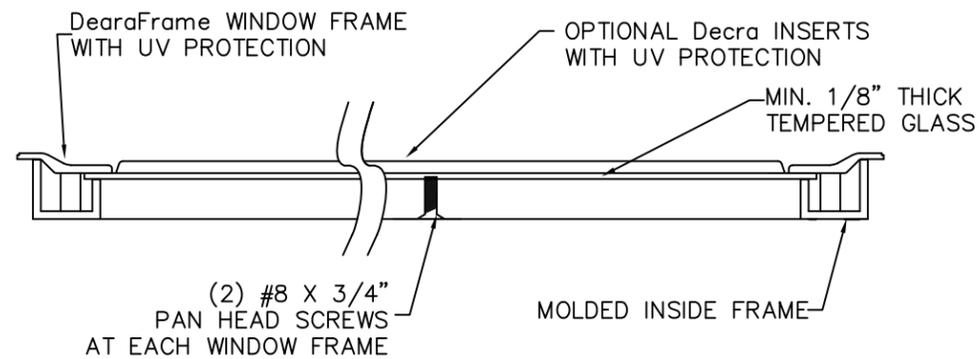
Section	Center Stile Location (Measured from Left)		Max Design Loads Allowed		
	Width (ft)	1st (in)	2st (in)	Positive (PSF)	Negative (PSF)
6' 0		24.644	47.3565	39.8	47.2
7' 0		29.144	54.857	34.2	40.4
7' 2		29.894	56.107	33.4	39.5
7' 4		30.644	57.357	32.6	38.6
7' 6		45.000		31.9	37.7
7' 8		46.000		31.2	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



GLAZING FASTENER DETAIL
N.T.S.

GLAZING OPTION CROSS SECTION

GLAZING NOT AVAILABLE IN WIND-BORNE DEBRIS REGION
GLAZING MEETS ASTM E1300-04



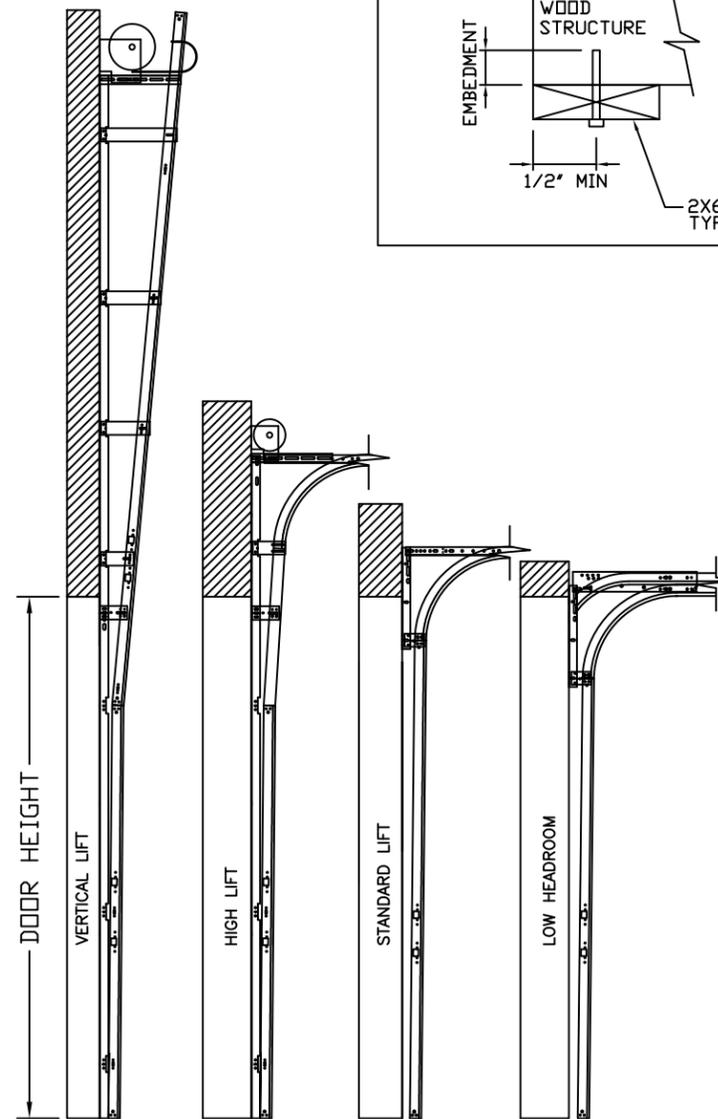
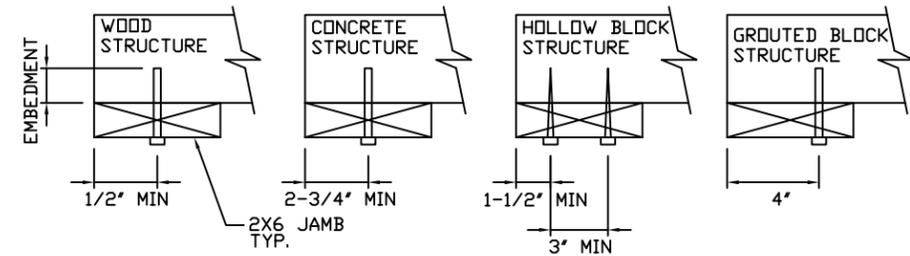
SECTION B-B

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



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY
A	WIND SPEED TABLE & TRACK CONFIGURATIONS	04/24/12	RLR

MAX SIZE
9' x 7'
DESIGN LOADS
+26.7 PSF
-31.6 PSF
TEST LOADS
(1.5 x DESIGN LOADS)
+40.1 PSF
-47.4 PSF



Amarr
GARAGE DOORS

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

MODEL #500 CLASSICA

SIZE	DRAWN BY	DLJ	DATE	05/18/04	DRAWING NUMBER
B	CHECKED BY	AAE	DATE	05/18/04	IRC-5209-130-15
ENGINEER: THOMAS L. SHILMERDINE P.E. LIC. No. 0048579					SHEET 2 OF 2