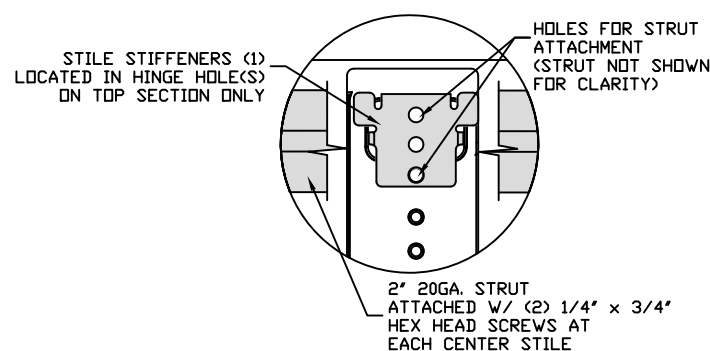
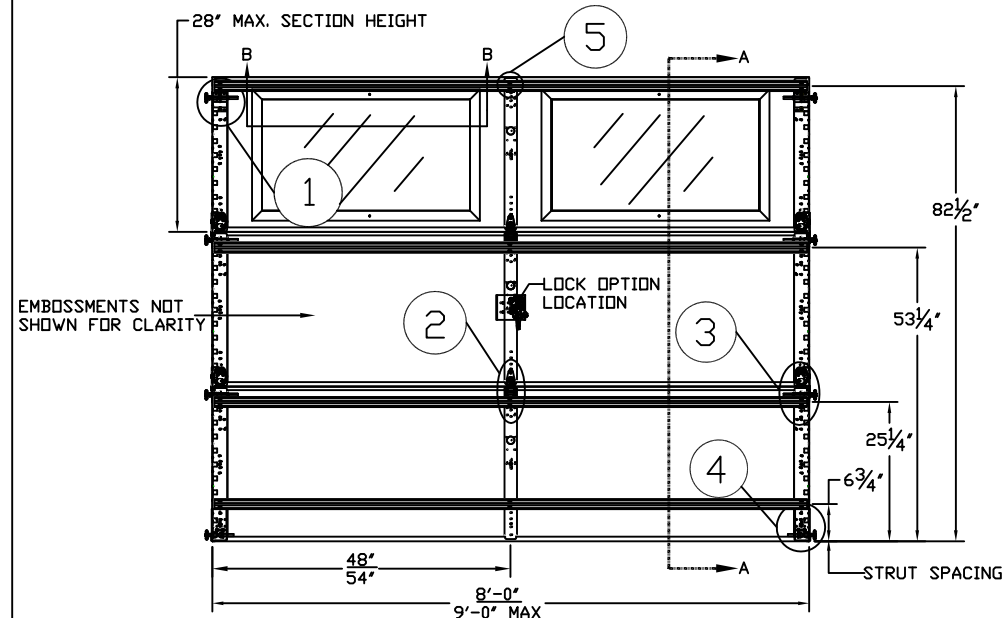


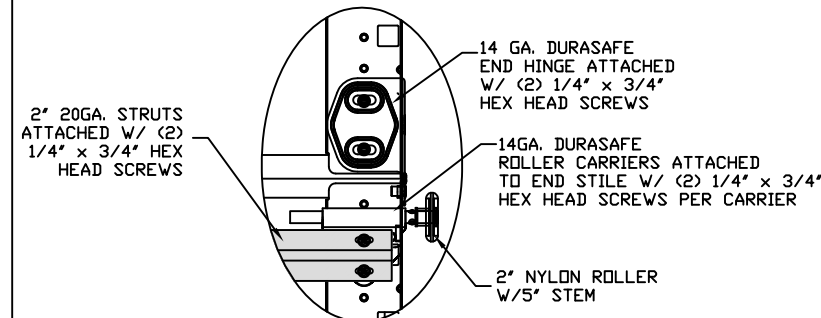
TYPICAL TOP FIXTURES
N.T.S. 1



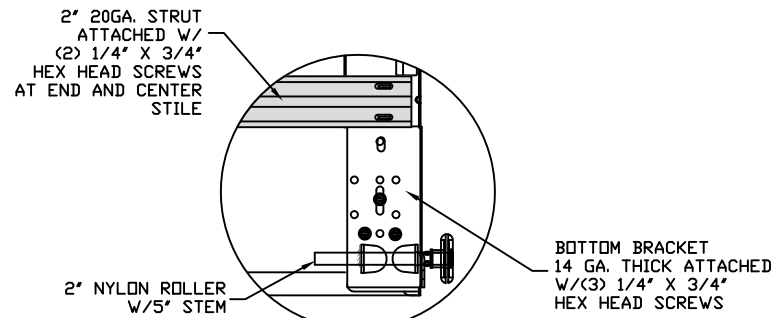
TYPICAL STILE STIFFENER
N.T.S. 5



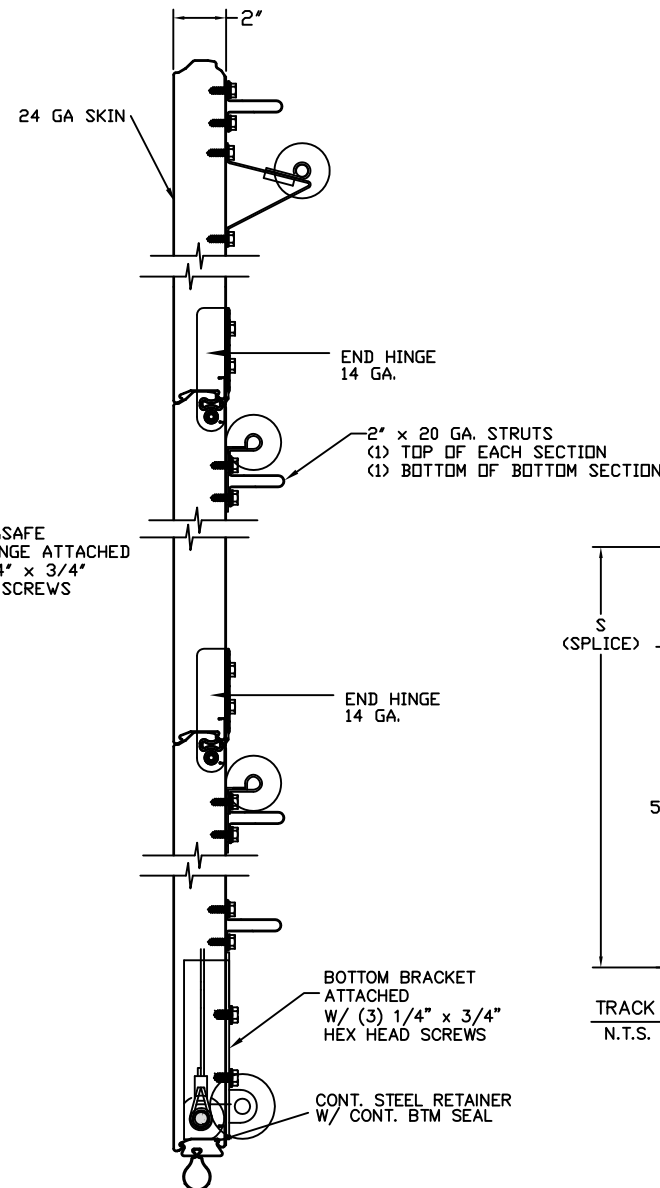
INSIDE ELEVATION
N.T.S.



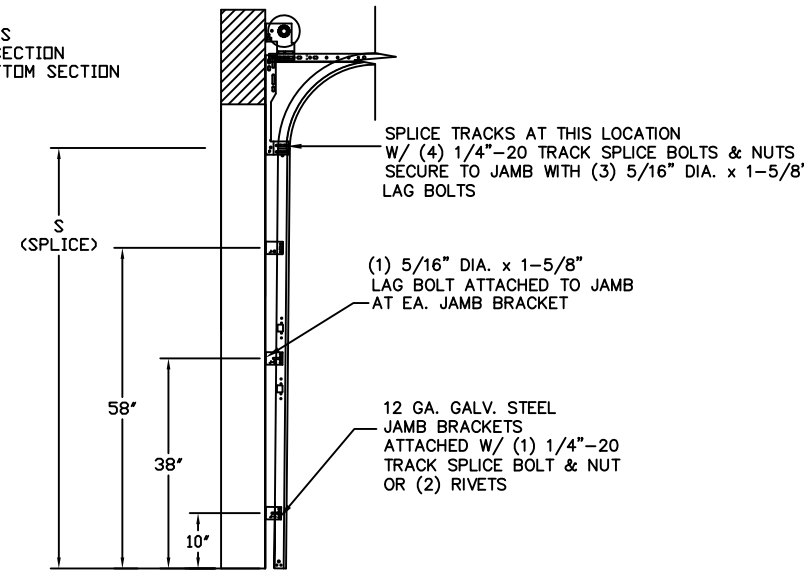
TYPICAL DURASAFE END HINGE
N.T.S. 3



TYPICAL BOTTOM BRACKET
N.T.S. 4



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



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

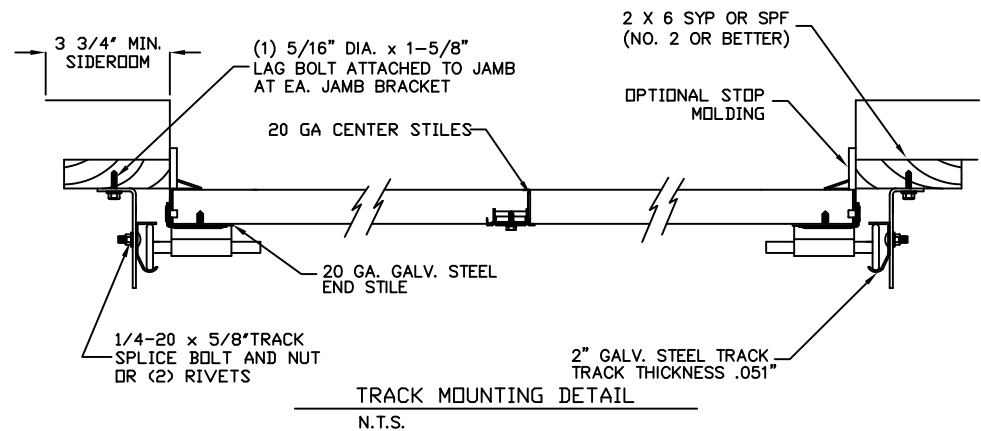
ALL TRACK ATTACHMENTS +/- 2" WITH SYP OR SPF NO. 2 OR BETTER

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

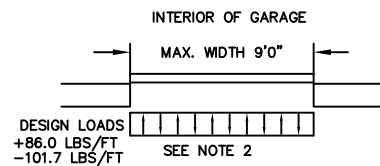
MAX SIZE
9' x 7'

DESIGN LOADS
+19.1 PSF
-22.6 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+28.7 PSF
-33.9 PSF



TRACK MOUNTING DETAIL
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: +86.0 LBS/FT & -101.7 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.

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)	110	99	94	90	86
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

Amarr
GARAGE DOORS

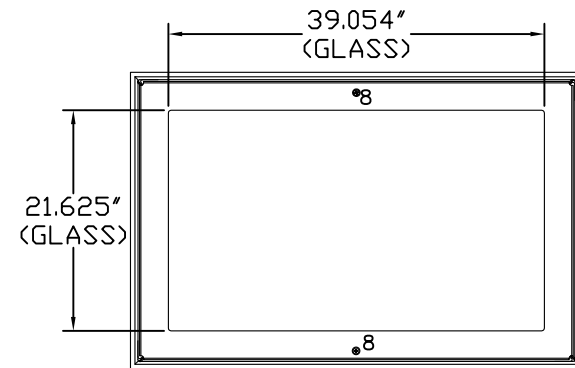
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105

MODEL #500 CLASSICA

SIZE	DRAWN BY	DLJ	DATE	12/20/05	DRAWING NUMBER
B	CHECKED BY	AAE	DATE	12/20/05	IRC-5209-110-11

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

WOOD JAMB ATTACHMENT TO STRUCTURE

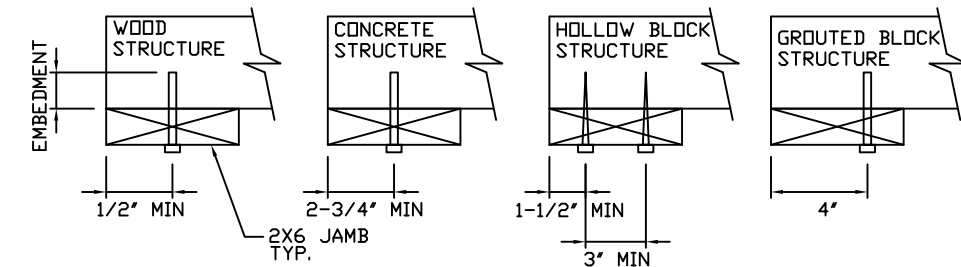


GLAZING FASTENER DETAIL
N.T.S.

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)

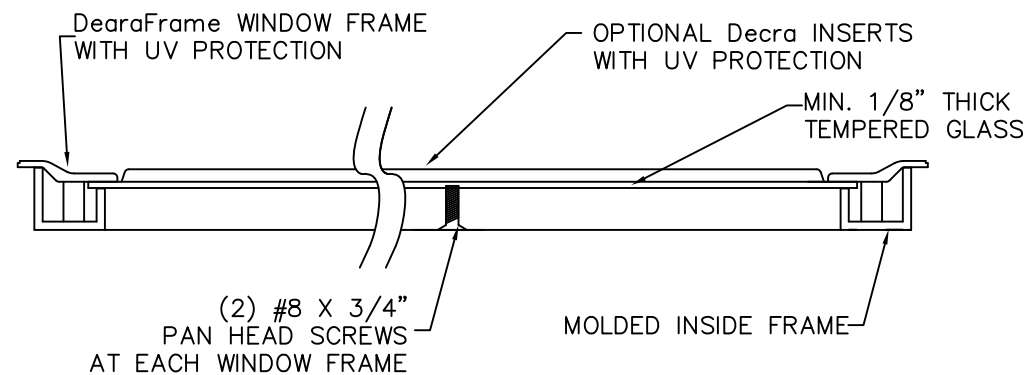
2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT)
 HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C. (1 1/4" EMBEDMENT) (OR, USE FASTENERS FOR HOLLOW C-90 BLOCK)

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

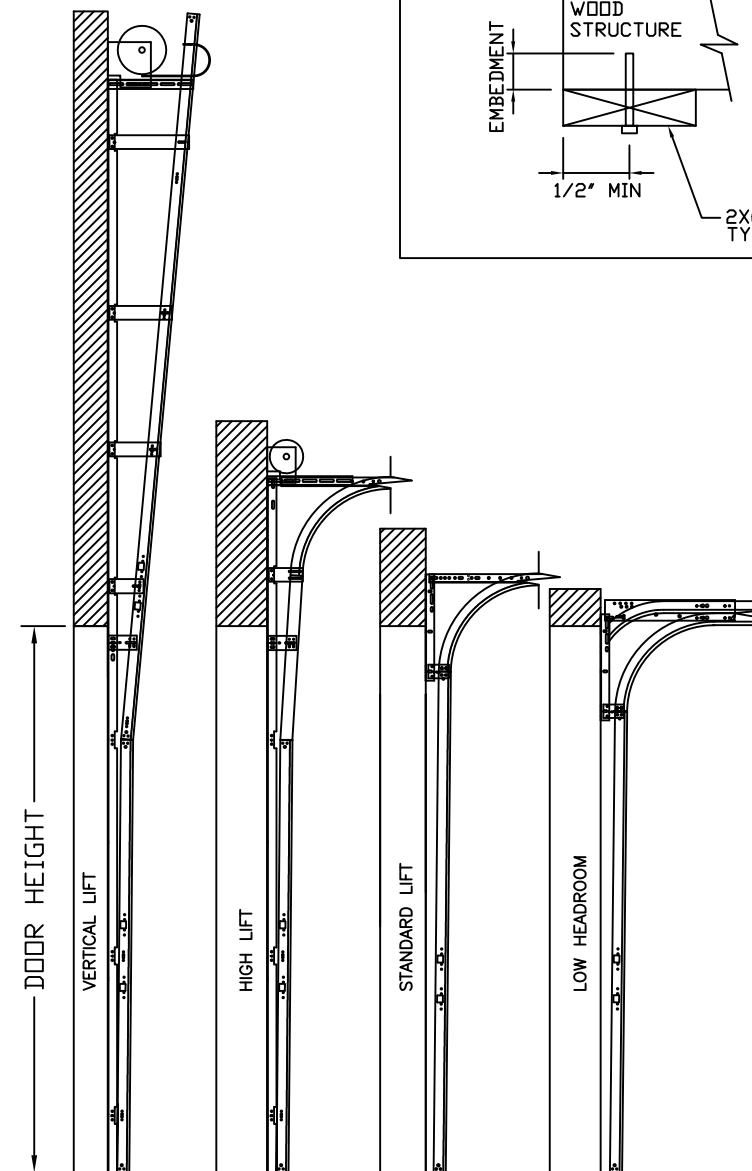


GLAZING OPTION CROSS SECTION

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



SECTION B-B



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
+19.1 PSF
-22.6 PSF
 TEST LOADS
(1.5 x DESIGN LOADS)
+28.7 PSF
-33.9 PSF



Amarr
GARAGE DOORS

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

MODEL #500 CLASSICA

SIZE	DRAWN BY	DLJ	DATE	12/20/05	DRAWING NUMBER
B	CHECKED BY	AAE	DATE	12/20/05	IRC-5209-110-11
ENGINEER: THOMAS L. SHELMERDINE P.E. LIC. No. 0048579					SHEET 2 OF 2