

TYPICAL TOP FIXTURES
N.T.S.

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

TYPICAL DURASAFE CENTER HINGE
N.T.S.

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

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

TYPICAL STILE STIFFENER
N.T.S.

2' x 20 GA. STRUTS
TOP OF EACH SECTION
AND BOTTOM OF BOTTOM SECTION

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

TYPICAL BOTTOM BRACKET
N.T.S.

2' 10 BALL ROLLER
W/ 5" STEM

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

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

HOLES FOR STRUT
ATTACHMENT (IF STRUT
IS REQUIRED)

(1) 2' x 20 GA. STRUT
AT THE TOP OF EACH
SECTION

(1) 2' x 20 GA. STRUT
AT THE BOTTOM OF THE
BOTTOM SECTION

BOTTOM BRACKET
ATTACHED
W/ (3) 1/4" x 3/4"
HEX HEAD SCREWS

CONT. STEEL RETAINER
W/ CONT. BTM SEAL

SECTION B-B

SPLICE TRACKS AT THIS LOCATION
W/ (4) 1/4"-20 TRACK SPLICE BOLTS
& NUTS SECURE TO JAMB WITH (3)
5/16" DIA. x 1-5/8" LAG BOLTS.

(1) 5/16" DIA. x 1-5/8"
LAG BOLT ATTACHED TO JAMB
AT EA. JAMB BRACKET

12 GA. GALV. STEEL
JAMB BRACKETS
ATTACHED W/ (1) 1/4"-20
TRACK SPLICE BOLT & NUT
OR (2) RIVETS

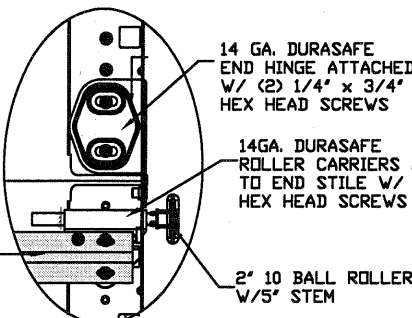
INTERIOR OF GARAGE

MAX. WIDTH 9'0"

DESIGN LOADS
+139.5 LBS/FT
-157.9 LBS/FT
SEE NOTE 2

TRACK CONFIGURATION FOR (7') AND 8' TALL DOORS
N.T.S.

INSIDE ELEVATION
N.T.S.



DURASAFE END HINGE
N.T.S.

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

2' 10 BALL ROLLER
W/ 5" STEM

2 x 6 SYP OR SPF
(NO. 2 OR BETTER)

OPTIONAL STOP
MOLDING

20 GA. GALV. STEEL
END STILE

7/16" DIA. BOLT RETAINER
(1) PER ROLLER

1/4"-20 x 5/8" TRACK
SPLICE BOLT AND NUT
OR (2) RIVETS

2" GALV. STEEL TRACK
TRACK THICKNESS .051"

TRACK MOUNTING DETAIL
N.T.S.

THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN ASTM E330 AND ANSI/DASMA 108. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-16 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN THE END ZONE, ROOF AT ANY SLOPE):

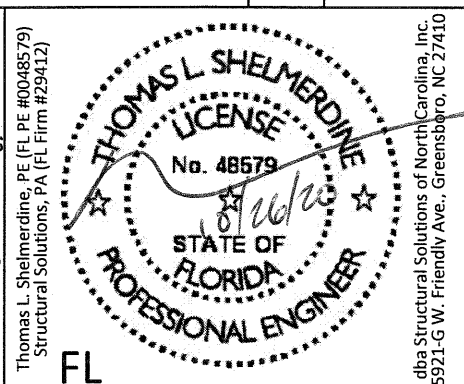
WIND SPEED (MPH)	178	162	154	147	141
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

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 JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +139.5 LBS/FT & -157.9 LBS/FT
- DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
- DOOR SECTIONS SHALL BE 25 GA. EXTERIOR MIN. (.019"), AND 27 GA. INTERIOR MIN. (.014") ROLLED FORMED LIGHT COMMERCIAL QUALITY, G-40 GALVANIZATION
- 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
B	REVISED NOTE 6	12.15.08	CBT

MAX SIZE
9' x 8'
DESIGN LOADS
+31.0 PSF
-35.1 PSF
TEST LOADS
(1.5 x DESIGN LOADS)
+46.5 PSF
-52.6 PSF



Amarr

MODEL 3000 AMARR CLASSICA 3000

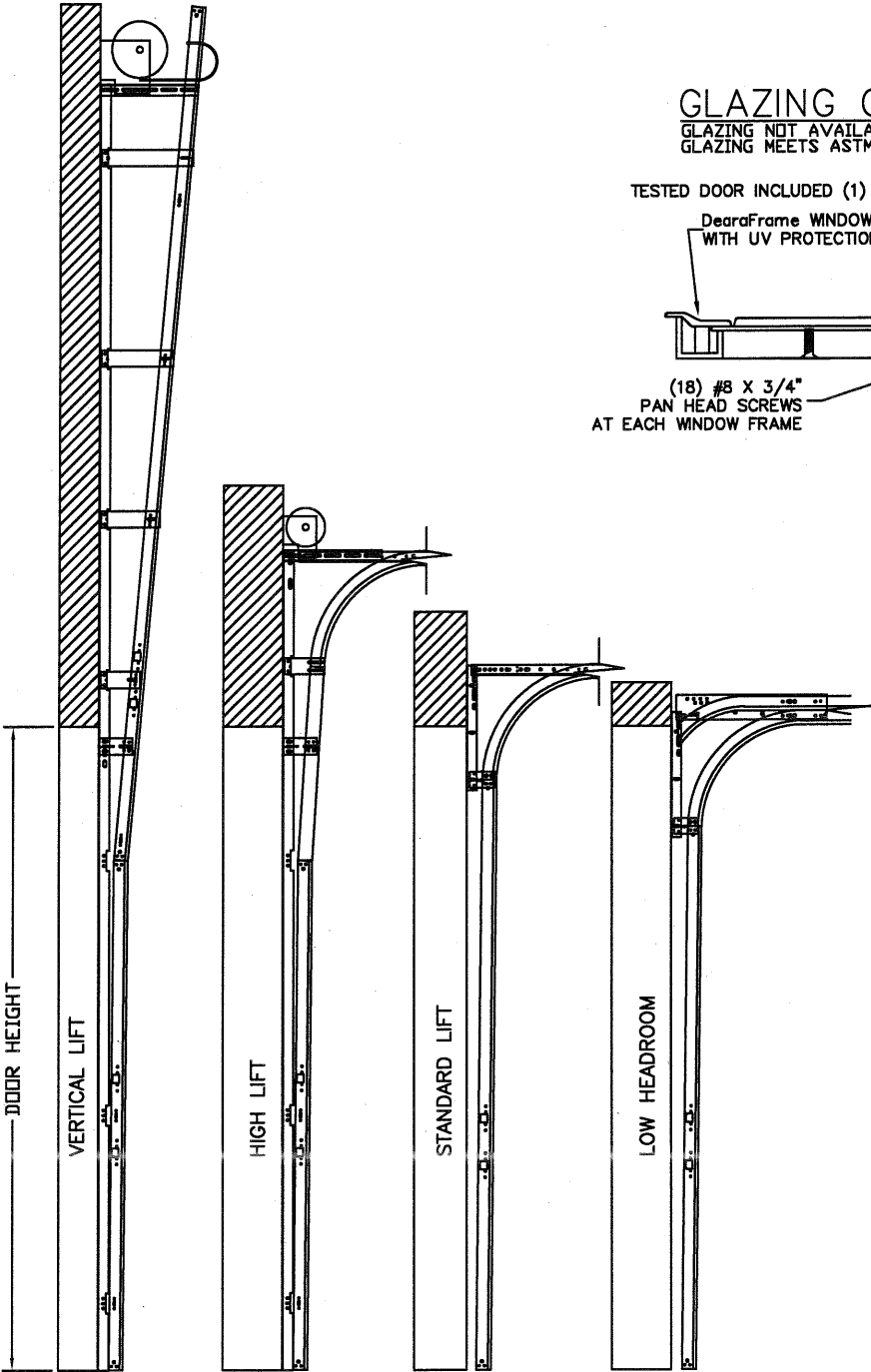
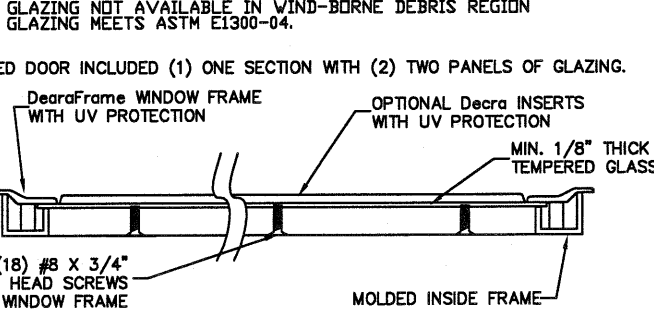
SIZE	DRAWN BY	BHG	DATE	02/02/06	DRAWING NUMBER
B	CHECKED BY	DLJ	DATE	02/02/06	IRC-3309-140-11
ENTREMATRIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					SHEET 1 OF 2

WOOD JAMB ATTACHMENT TO STRUCTURE

TABLE 1

Section Width (ft)	Max. Section Height (in)	Center Stile Location (Measured from Left Edge)	Max Design Loads Allowed	
			Positive (PSF)	Negative (PSF)
8' 0	28	48.000	39.6	44.9
9' 0	28	54.000	35.2	39.9
8' 0	32	48.000	34.7	39.2
9' 0	32	54.000	31.0	35.1

GLAZING OPTION CROSS SECTION



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

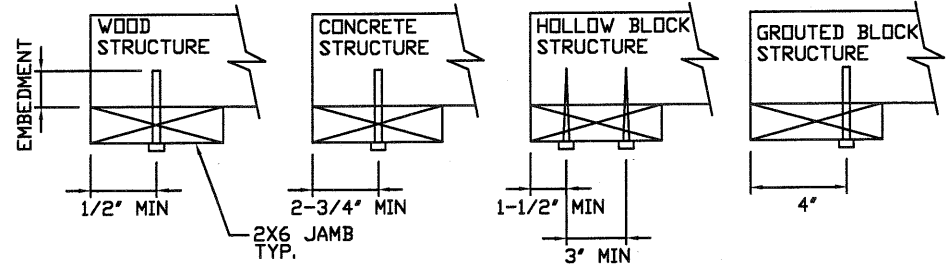
2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 24" O.C. (1 1/2" EMBEDMENT)

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



REV	DESCRIPTION OF REVISIONS	DATE	BY
B	REVISED NOTE 6	12.15.08	CBT

MAX SIZE
9' x 8'

DESIGN LOADS
+31.0 PSF
-35.1 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+46.5 PSF
-52.6 PSF

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FL

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Amarr

MODEL 3000 AMARR CLASSICA 3000

SIZE	DRAWN BY	BHG	DATE	02/02/06	DRAWING NUMBER
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SHEET 2 OF 2