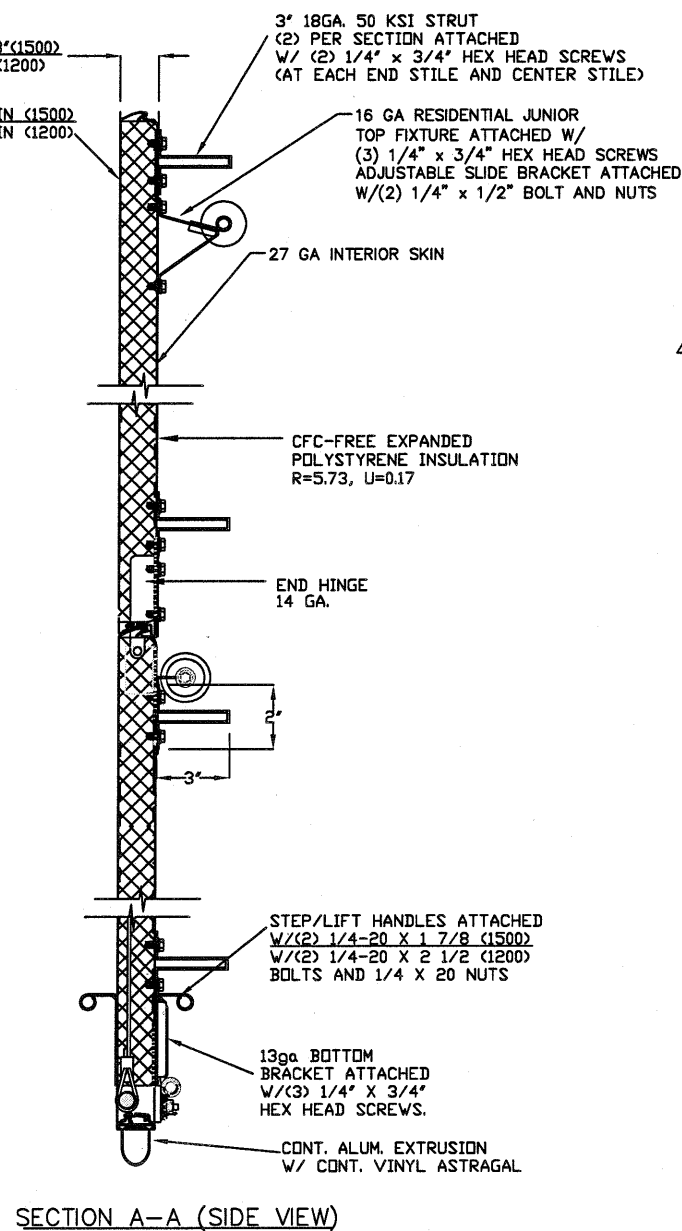
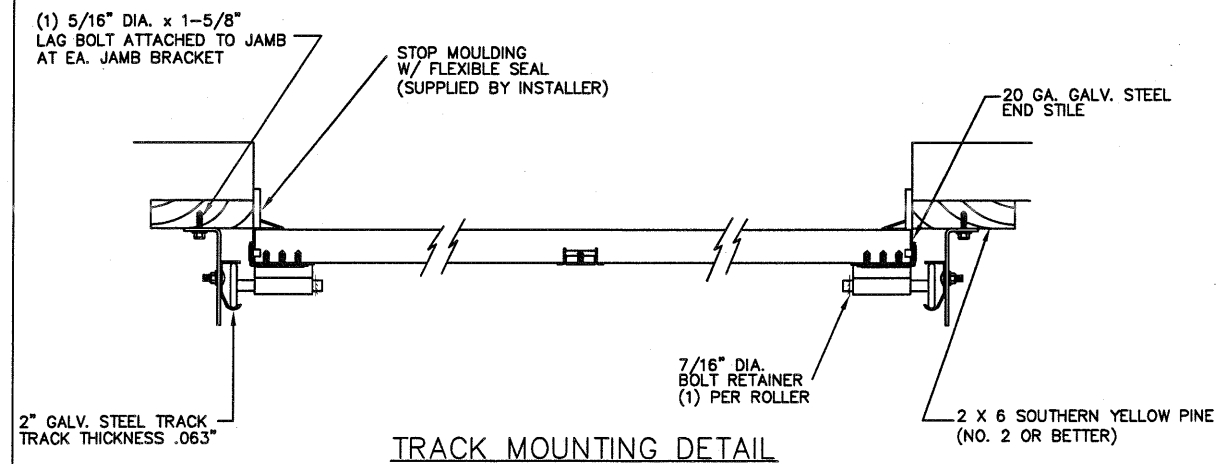
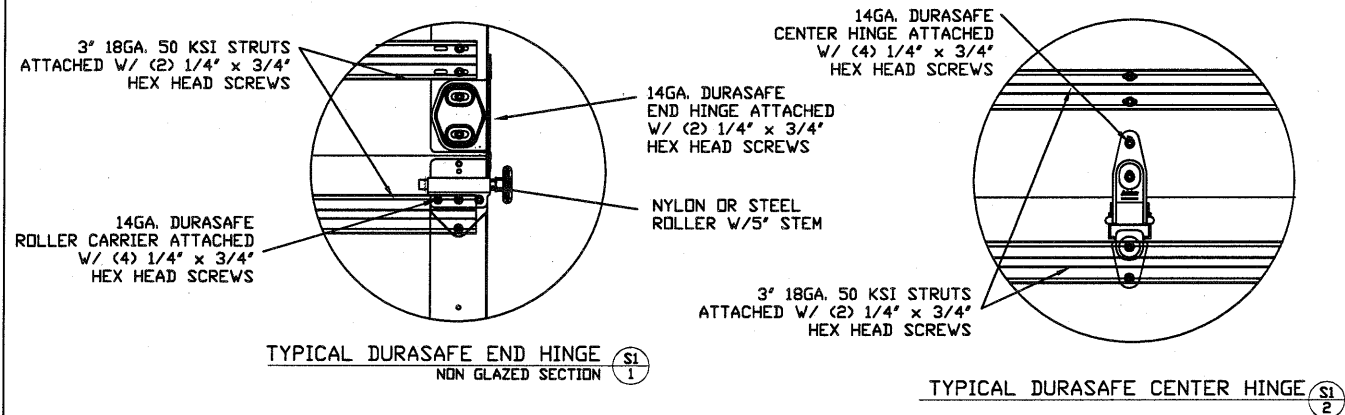
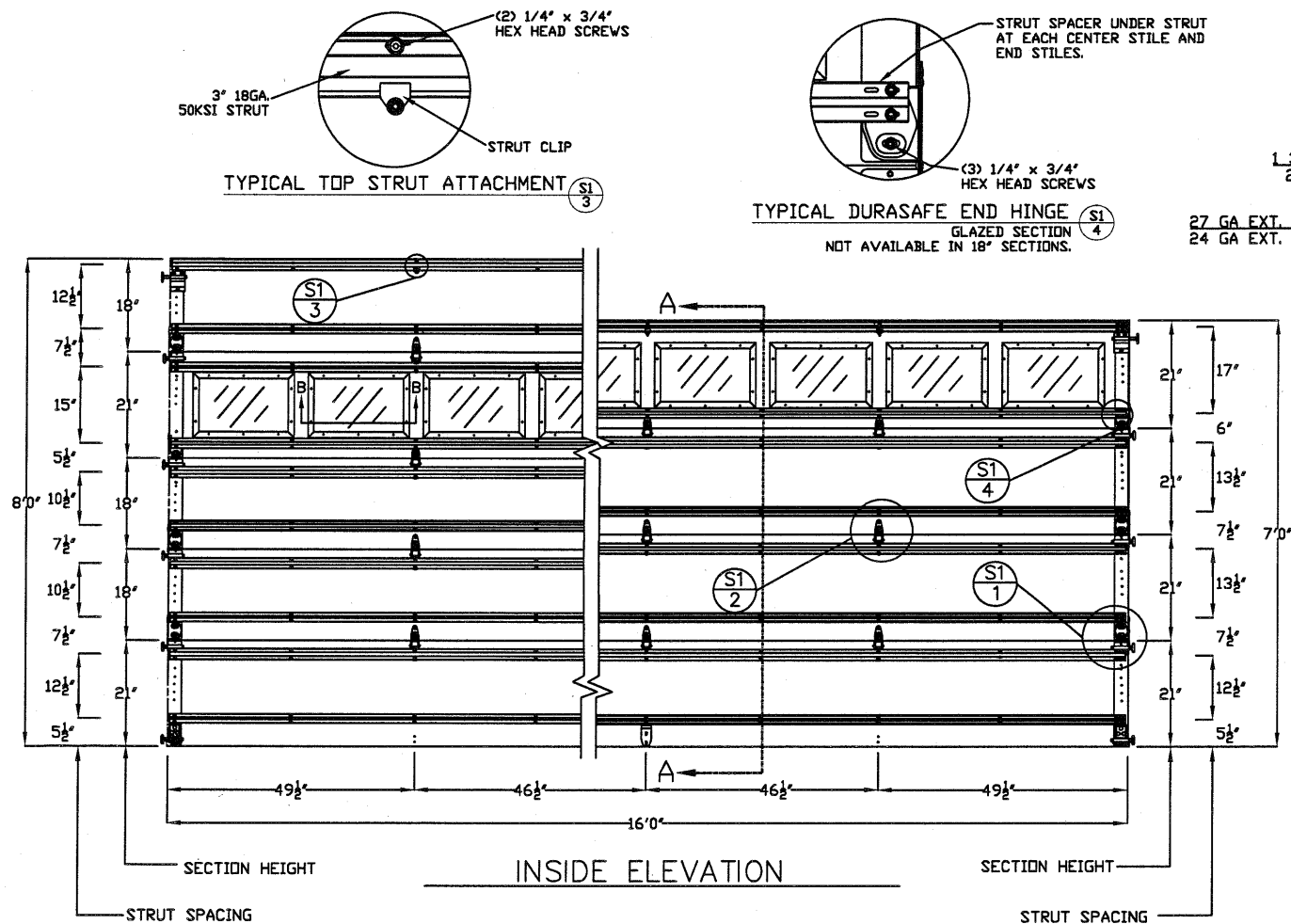


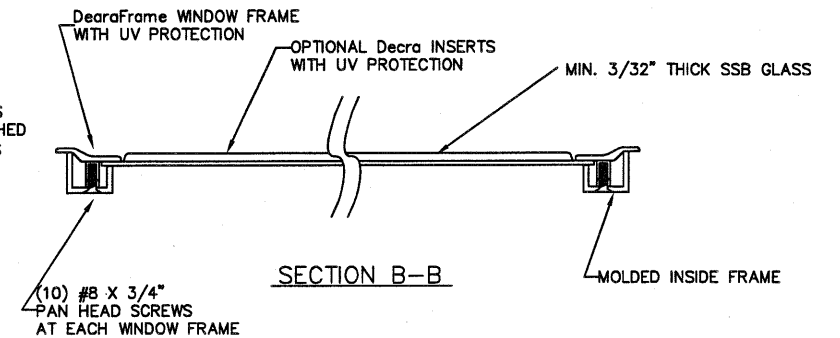


THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN ASTM E330. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-16 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN THE END ZONE, ROOF AT ANY SLOPE):

WIND SPEED (MPH)	183	166	158	151	145
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

GLAZING OPTION CROSS SECTION

GLAZING NOT AVAILABLE IN WIND-BORNE DEBRIS REGION
 DOOR TESTED WITH GLAZING. GLAZING MEETS ASTM E1300-04.



REV	DESCRIPTION OF REVISIONS	DATE	BY
A	CONVERTED DRAWING TO NEW FORMAT	4/18/02	DLJ
B	REVISED NOTES 6 & 7	12/16/08	CBT

MAX SIZE 16' x 14'

DESIGN LOADS
 +33.0 PSF
 -34.6 PSF

TEST LOADS
 +49.5 PSF
 -51.9 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 #1200 WeatherGuard Plus w/DuraSafe
 MODEL #1500 WeatherGuard w/DuraSafe
 Heritage, Stratford, and Oak Summit 3000 in Short, Long, Flush, Ribbed and Oak Summit Panels

SIZE	DRAWN BY	DLJ	DATE	04/24/01	DRAWING NUMBER
B	CHECKED BY	AAE	DATE	04/23/02	SBC-580-020

WOOD JAMB ATTACHMENT TO STRUCTURE

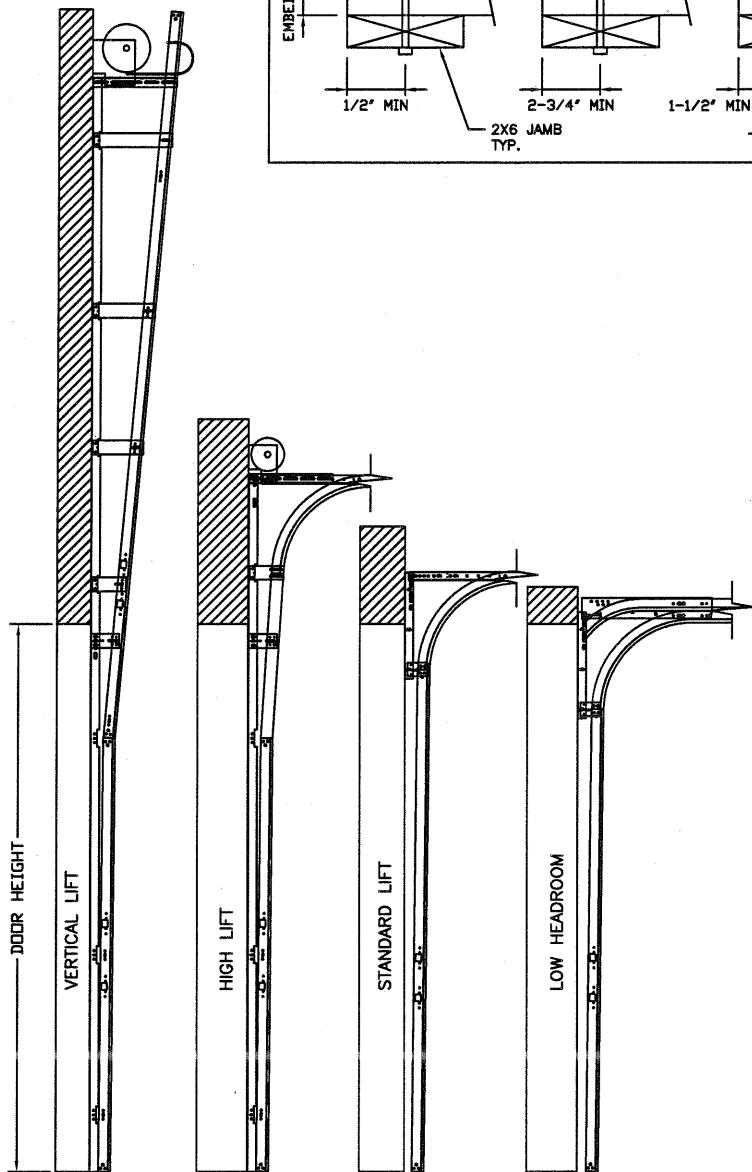
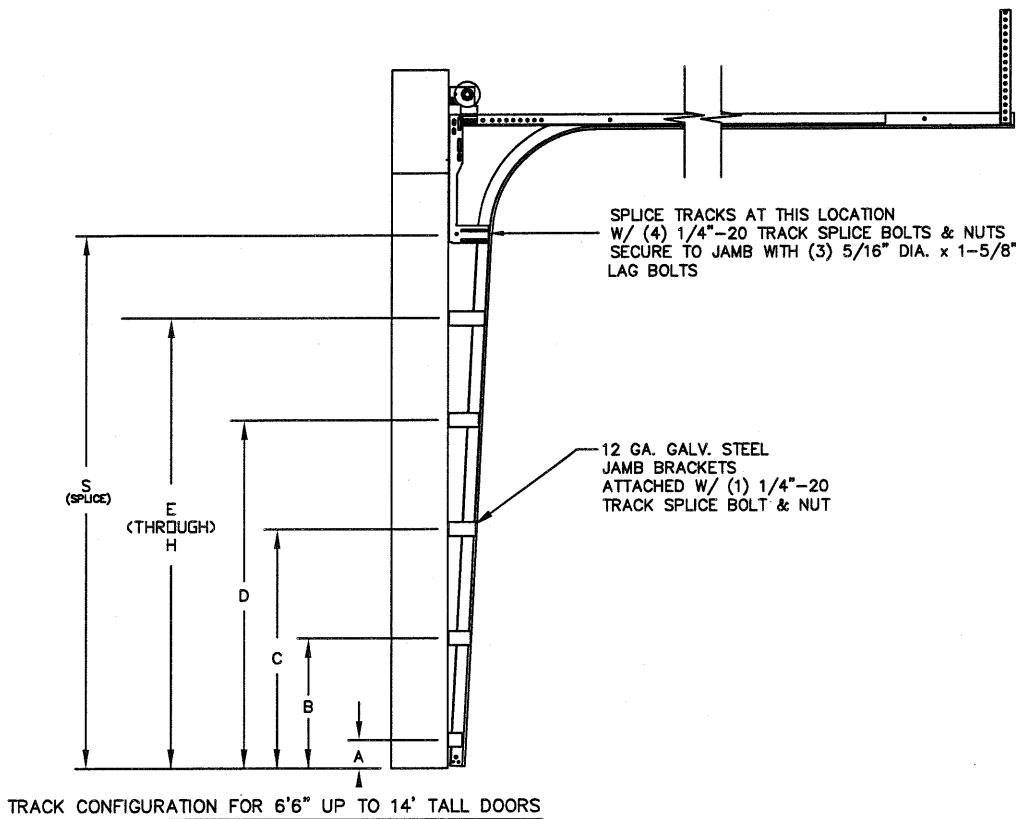
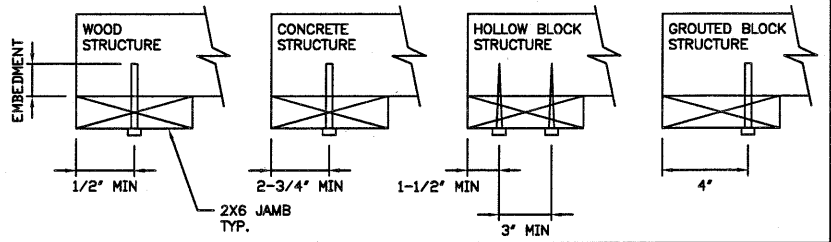
2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 18" O.C. (1 1/2" EMBEDMENT)

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 16" 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)

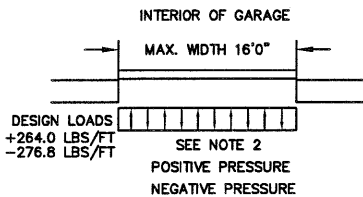
2 X 6 VERTICAL JAMB ATTACHMENT TO HOLLOW C-90 BLOCK
SIMPSON 1/4" X 3" TITEN SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 8" O.C. (1 1/2" EMBEDMENT)
HILTI 1/4" X 2-3/4" KWIK-CON II+ SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 8" O.C. (1 1/4" EMBEDMENT)

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 18" 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.



SPECIFICATIONS AND NOTES

1. 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.
2. EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF :
+264.0 LBS/FT & -276.8 LBS/FT.
3. DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASHA.
4. MODEL 1500 DOOR SECTIONS SHALL BE 27 GA. (.016) MIN INTERIOR AND 27 GA. (.024) MIN EXTERIOR ROLLED FORMED, G-40 GALVANIZATION W/ BAKED ON POLYESTER FINISH.
5. MODEL 1200 DOOR SECTIONS SHALL BE 27 GA. (.016) MIN INTERIOR AND 24 GA. (.024) MIN EXTERIOR ROLLED FORMED, G-40 GALVANIZATION W/ BAKED ON POLYESTER FINISH.
6. DOORS UPTO 7'0" HIGH CONSIST OF (4) SECTIONS AS SHOWN.
7. DOORS UPTO 14'0" HIGH CONSIST OF SECTIONS NOT MORE THAN 21" WIDE.
8. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.

JAMB BRACKET LOCATIONS

DOOR HEIGHT	TRACK ATTACHMENT								SPlice
	A	B	C	D	E	F	G	H	
6' 6"	4"	21"	39"	57"					70"
7'	4"	21"	42"	63"					76"
7' 6"	4"	18"	36"	54"	72"				82"
8'	4"	21"	39"	57"	75"				88"
8' 6"	4"	21"	42"	63"	81"				94"
9'	4"	18"	36"	54"	72"	90"			100"
9' 6"	4"	21"	39"	57"	75"	93"			106"
10'	4"	21"	42"	63"	81"	99"			112"
10' 6"	4"	21"	42"	63"	84"	105"			118"
11'	4"	21"	39"	57"	75"	93"	111"		124"
11' 6"	4"	21"	42"	63"	81"	99"	117"		130"
12'	4"	21"	42"	63"	84"	105"	123"		136"
12' 6"	4"	21"	39"	57"	75"	93"	111"	129"	142"
13'	4"	21"	42"	63"	81"	99"	117"	135"	148"
13' 6"	4"	21"	42"	63"	84"	105"	123"	141"	154"
14'	4"	21"	42"	63"	84"	105"	126"	147"	160"

ALL JAMB BRACKET LOCATIONS
MAY BE MOVED UP TO +/- 2"

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4/18/20
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SIZE	DRAWN BY	DLJ	DATE	04/24/01	DRAWING NUMBER
B	CHECKED BY	AAE	DATE	04/23/02	SBC-580-020

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

SHEET 2 OF 2