



STIRLING & WILBUR
ENGINEERING GROUP
STRUCTURAL ENGINEERS
EB 6482

Project: ALL GLASS, INC.
ORLANDO, FLORIDA
BUTT GLASS STANDARDS
(2001 FBC)

Proj #: W2002-087
Sketch #: SK1 OF 6 By: SW
Date: 06-28-02

V = 120 MPH

THESE SKETCHES ARE VALID FOR
ONE YEAR FROM THE DATE OF
SIGNATURE AND SEAL

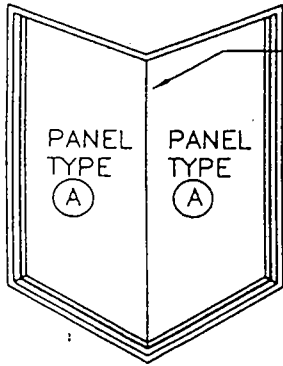
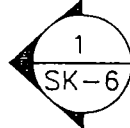
Stephen Wilbur
06-28-02

STEPHEN WILBUR, PE 42119

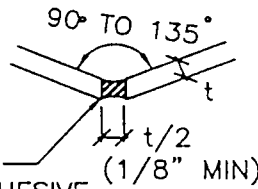
CONTRACT NUMBER: 02-001

MANUFACTURER NAME:

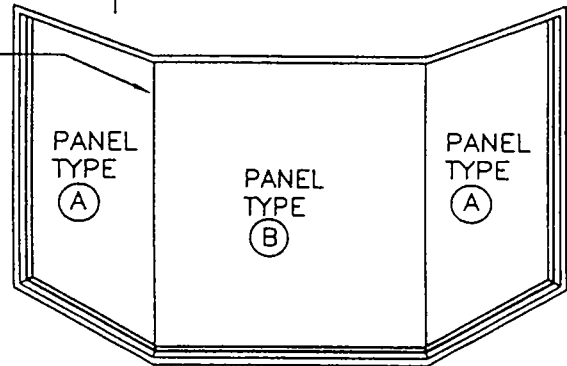
All Glass
MASTER FILE # *2*



MITERED SILICONE BUTT
GLASS JOINT:



STRUCTURAL
SILICONE ADHESIVE
DOW CORNING 999-A
OR EQUAL



TWO PANEL WINDOW

THREE PANEL WINDOW

PROCEDURE:

1. DETERMINE ENCLOSURE CLASSIFICATION OF STRUCTURE:
"ENCLOSED": ALL OPENINGS ARE PROTECTED IN ACCORDANCE WITH FBC 1606.1.4
"PARTIALLY ENCLOSED": UNPROTECTED OPENINGS.
2. SELECT REQUIRED GLASS PANEL THICKNESS FROM CHARTS ON SK2 TO SK5.
ENCLOSED STRUCTURES: USE SKETCHES SK2 AND SK3
PARTIALLY ENCLOSED STRUCTURES: USE SKETCHES SK4 AND SK5
3. PROVIDE PANELS OF SAME THICKNESS FOR ENTIRE WINDOW. LARGEST REQUIRED
PANEL THICKNESS SHALL GOVERN FOR ENTIRE WINDOW.

GENERAL NOTES:

1. THE DETAILS ON THESE SKETCHES ARE DESIGNED TO COMPLY WITH THE 2001 FLORIDA
BUILDING CODE.
2. WIND LOAD CRITERIA:
SINGLE STORY STRUCTURE; MEAN ROOF HT = 20' MAX
EXPOSURE: 'B'; IMPORTANCE FACTOR = 1.0
TRIBUTARY WALL AREA = 20 SQ FT.
NON-CORNER WALL ZONE (ZONE 4 IN FBC FIG. 1606.2C; ASCE TABLE 6-3A)

ENCLOSED STRUCTURES: WIND LOAD PER FBC 1606.2:
V = 120 MPH; P = 26.9 PSF
PARTIALLY ENCLOSED STRUCTURES: WIND LOAD PER ASCE 7-98:
V = 120 MPH; P = 39 PSF
3. THE DETAILS SHOWN ON THESE SKETCHES ARE FOR WINDOW, PERIMETER FRAME, AND
ATTACHMENT TO THE BUILDING STRUCTURE. THE ADEQUACY OF THE SUPPORTING STRUCTURE
TO SUPPORT THE APPLIED LOADS IS THE RESPONSIBILITY OF OTHERS.
4. TABULATED GLASS THICKNESS IS BASED ON TEMPERED GLASS, CONFORMING
TO ASTM C 1048, AND CPSC 16-CFR, Part 1201.
5. THESE SKETCHES ARE INTENDED FOR THE EXCLUSIVE USE OF ALL GLASS, INC., ORLANDO, FL.
UNAUTHORIZED USE SHALL BE WITHOUT LIABILITY OF THE ENGINEER.