CONTINENTAL GLASS SYSTEMS 2850 SERIES LIFT AND SLIDE GLASS DOOR (LMI)



• TAS 201-94

ACCORDING TO THE FOLLOWING:

GENERAL NOTES:

- TAS 202-94
- TAS 203-94
- DOOR IS RATED FOR SMALL MISSILE IMPACT ONLY. IMPACT SHUTTERS ARE NOT REQUIRED FOR ELEVATIONS 30'-0" ABOVE GRADE OR HIGHER. IMPACT SHUTTERS ARE REQUIRED FOR ELEVATIONS LOWER THAN 30'-0" ABOVE GRADE.
- DOORS ARE APPROVED FOR AIR AND WATER INFILTRATION RESISTANCE.
- ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE.
- METAL STRUCTURES NOT BY CONTINENTAL GLASS SYSTEMS, LLC., SHALL BE DESIGNED TO SUPPORT THE LOADS IMPOSED BY THIS GLAZING SYSTEM AND TO TRANSFER SUCH LOADS TO THE MAIN BUILDING STRUCTURE.
- ULTIMATE LOAD OBTAINED FROM ASCE 7-10, MULTIPLIED BY 0.6, SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT. THE DESIGN LOADS SHOWN IN THIS DOCUMENT ARE ALLOWABLE DESIGN LOADS.

-SEALANTS

ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER GLAZING BEAD TO FRAME INSTALLATION FASTENERS SEALED WITH SILICONE SEALANT.

- 1-1/2" MIN. EMBEDMENT IN WOOD
- TYPE 'B' -- 5/16" DIA. SELF DRILLING SCREWS (GRADE 5 CRS)

INTO MIAMI-DADE COUNTY APPROVED MULLIONS (1/8" THK. MIN.) INTO METAL STRUCTURES MIN. THREE THREADS PENETRATION BEYOND METAL WALL. STEEL: 18 GA. MIN. (F'y=33 KSI MIN.) ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.) (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCES

INTO CONCRETE = 2-1/2" MIN. INTO WOOD STRUCTURE = 1-1/4" MIN.(5/16" ANCHORS) INTO METAL STRUCTURE = 3/4" MIN.

ANCHOR REQUIREMENTS

- 1. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION
- 2. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- 3. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- 4. ANCHORS SHALL BE AS LISTED, AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS



GLASS COMPLIES WITH ASTM E1300-09 (3 SEC. GUSTS)

LIMITATIONS OF USE

NOTE:

- A- THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT: i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.
- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT
- C- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
- D- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE PED
- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT





SEE SHEET 3 FOR ADDITIONAL QUALIFIED CONFIGURATIONS



TYPICAL SGD OPTIONAL CONFIGURATIONS

ALL SGD TYPES CAN BE USED WITH OR WITHOUT WINDOW WALL CGS WW3900 SYSTEM AT EITHER SIDE OF SGD. WINDOW WALL IS UNDER SEPARATE APPROVAL.







DESIGN LOADS DUE TO ANCHOR CAPACITY											
ANCHOR TYPE		ANCHOR TYPE 'A'			ANCHOR TYPE 'B'						
NOMINAL DIMENSIONS		A8	A10	A12	B8	B10	B12				
MAX. P.W.	F.H.	(+)/(-)	(+)/(-)	(+)/(-)	(+)/(-)	(+)/(-)	(+)/(-)				
(IN)	(IN)	(PSF)	(PSF)	(PSF)	(PSF)	(PSF)	(PSF)				
50.5	148	117.1	146.3	162.0	119.1	148.9	162.0				

NOTE: NOMINAL PANEL WIDTH (P.W.) = SGD FRAME WIDTH / NUMBER OF PANELS





INTERLOCK & BUTT STILE CONFIGURATIONS



"A8" - (8) ANCHORS TYPE 'A' AT INTERLOCKS/ASTRAGALS AT HEAD AND SILL "A8" - (4) ANCHORS TYPE 'A' AT SIDE OF JAMB AT HEAD AND (4) AT SIDE OF JAMB AT SILL

"B8" - (8) ANCHORS TYPE 'B' AT INTERLOCKS/ASTRAGALS AT HEAD AND SILL

"B8" - (4) ANCHORS TYPE 'B' AT SIDE OF JAMB AT HEAD AND (4) AT SIDE OF JAMB AT SILL



"A10" - (10) ANCHORS TYPE A AT INTERLOCKS/ASTRAGALS AT HEAD AND SILL "A10" - (6) ANCHORS TYPE 'A' AT SIDE OF JAMB AT HEAD AND (5) AT SIDE OF JAMB AT SILL "B10" - (10) ANCHORS TYPE 'B' AT INTERLOCKS/ASTRAGALS AT HEAD AND SILL "B10" - (6) ANCHORS TYPE 'B' AT SIDE OF JAMB AT HEAD AND (5) AT SIDE OF JAMB AT SILL



"A12" - (12) ANCHORS TYPE 'A' AT INTERLOCKS/ASTRAGALS AT HEAD AND SILL "A12" - (6) ANCHORS TYPE 'A' AT SIDE OF JAMB AT HEAD AND (6) AT SIDE OF JAMB AT SILL "B12" - (12) ANCHORS TYPE 'B' AT INTERLOCKS/ASTRAGALS AT HEAD AND SILL "B12" - (6) ANCHORS TYPE 'B' AT SIDE OF JAMB AT HEAD AND (6) AT SIDE OF JAMB AT SILL





TYPICAL ANCHOR (SEE COVER SHEET) SEE ELEVATION FOR SPACING

> MIN. THREE THREADS PENETRATION BEYOND METAL WALL

















BILL OF MATERIALS								
ITEM # PROFILE		DESCRIPTION	MATERIAL	MANUFACTURER/REMARKS	DANIA PH: FAX: WEB: www	BEACH, FL 33004 (954)399-8478 (954)744.4738 v.buildingdrops.com		
1	2800-02	HEAD	ALUM. 6005-T5	-	(IW	3 1 4 E		
2	2800-03	SILL	ALUM. 6005-T5	-	R (L	PLA(3301 1-110 1-111		
3	2900-08	TOP PANEL	ALUM. 6005-T5	-	00	st 74 H, FL 5)23:		
4	2900-19	FIXED PANEL	ALUM. 6005-T5	-	SS D S	- WE9 ALEA ALEA (30 (30		
5	2950-09	MOVING PANEL	ALUM. 6005A-T61	-	slas sial	325 HI/ FA)		
6	2950-04	JAMB	ALUM. 6005A-T61	-	DE G	o		
7	2950-10	LOCK STILE	ALUM. 6005A-T61	-	SLIL	L		
8	2900-14	FIXED STILE	ALUM. 6005-T5	-	ND OF	st s		
9	3900-09	MALE JAMB ADAPTOR	ALUM. 6005-T5	-	T A	SyN		
10	3900-06	FEMALE JAMB ADAPTOR	ALUM. 6005-T5	-	E FIE	L ss		
11	2900-11	INTERLOCK	ALUM. 6005-T5	-	850			
12	2800-04	THRESHOLD	ALUM. 6063-T6	-	دی در ۲۵	7374		
13	2800-05	SILL TRACK	ALUM. 6005-T5	-	ERIL			
14	2900-26	TOP COVER	ALUM. 6063-T6	-				
15	2950-25	BOTTOM COVER	ALUM. 6063-T6	-	REMARKS	BY DATE		
16	2800-40	COVER HEAD	ALUM. 6063-T6	-				
17	5500-09	HEAD SCREW COVER	ALUM. 6063-T6	-				
18	2800-23	INTERLOCK REINFORCEMENT	ALUM. 6005-T5	-				
19	2800-20	HANDLE	ALUM. 6005-T5	-	THIS DOCUMENT IS THE I AND SHALL NOT BE R	PROPERTY OF BUILDING DROPS, IN EPRODUCED IN WHOLE OR PART		
20	2900-06	FIXED JAMB ADAPTOR	ALUM. 6063-T6	-	ALTERATIONS, ADDIT MARKINGS TO THIS DOO	IONS, HIGHLIGHTING, OR OTHER CUMENT ARE NOT PERMITTED AN		
21	2800-21	LOCK JAMB ADAPTOR	ALUM. 6005-T5	-	INVALIDATI	OUR CERTIFICATION.		
22	_	$\frac{1}{2}$ " x 2 ¹ / ₄ " MEETING STILE REINFORCEMENT	ALUM. 6005-T5	-	INNE?	SF. NON		
23	2800-26	ASTRAGAL	ALUM. 6005-T5	-	IL PN.	ENST		
24	2900-25	REINFORCEMENT	ALUM. 6063-T6	-		70770		
25	_	1/4" X 3/4" X 4" SETTING BLOCK	SILICONE	-	E★ċ	*		
26	_	DOW CORNING DC790 CONT. PERIMETER SEALANT AND BACKER ROD	SILICONE	DOW CORNING	PR ST	ATE OF		
27	_	GASKET	POLYPROPYLENE / SANTOPRENE	ULTRA FAB		ORIDA		
28	_	FIN-SEAL 0.187" X 0.250" HT	-	ULTRA FAB	HERM FUND	IES F. NORERO		
29	_	DOW CORNING STRUCTURAL SEALANT DC983 OR DC795	SILICONE	DOW CORNING	DANIA FBPE CERT. OF A	BEACH, FL 33004 UTHCRIZATION NO. 29578		
30	-	BULB GASKET #202	-	ULTRA FAB				
31	-	#14 P.H. S.S. SMS. 1" LONG	STAINLESS STEEL	-				
32	-	#14 X 20 P.H. S.S. SMS. AT 4" FROM END & 25" O.C. MAX.	STAINLESS STEEL	-)) 1 [
					DWG. BY: SM SCALE: DWG. #: C SHEET:	СНК. ВҮ: HFN NTS GS113 OF 11		