

# ATLAS PLUS SERIES

MODELS 1200, 1200A, 3000 AND 3000R  
ALUMINUM SLIDING GLASS DOOR  
NON-IMPACT RATED

GENERAL NOTES: (FLORIDA BUILDING CODE 2010 - HVHZ and non HVHZ)

- 1- CODE: THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2010 INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2- DEFINITION: THIS PRODUCT IS AN ALUMINUM SLIDING GLASS DOOR DESIGNED, CONSTRUCTED AND TESTED TO PROVIDE PROTECTION FROM HURRICANE FORCE WINDS WITHIN THE ALLOWABLE DESIGNED PRESSURES AND LIMITATIONS STATED IN THIS APPROVAL. (APPROVED HURRICANE SHUTTERS MUST BE INSTALLED IN ORDER TO COMPLY WITH IMPACT RESISTANT CRITERIA)
- 3- LABELING: PRODUCT MUST BE LABEL IN ACCORDANCE WITH FBC 2010, CHAPTER 17, SECTION 1715.5.
- 4- PROJECT DESIGN PRESSURES: THE PROJECT DESIGNED PRESSURES MUST BE CALCULATED BASED ON ASCE 7-10, BY A PROFESSIONAL ARCHITECT OR ENGINEER. THE PROJECT DESIGNED PRESSURE, AS DETERMINED BY ASCE-10, ARE PERMITTED TO BE MULTIPLIED BY 0.6 AND THEY MUST NOT EXCEED THE ALLOWABLE PRODUCT PRESSURE SPECIFIED HERE-IN.
- 5- MATERIAL: ALL ALUMINUM PARTS TO BE 6063-T6 ALLOY OR AS NOTED AND GLAZING TO BE 1/4" TEMPERED GLASS AS SPECIFIED ON THIS APPROVAL.
- 6- FASTENERS: ASSEMBLY SCREWS AND ANCHORS SHALL BE AS SPECIFIED IN THE CURRENT SET OF DRAWINGS. INSTALLATION AND LOADS AS PER THIS APPROVAL. ANCHOR QUANTITY & SPACING MUST NOT EXCEED THE MAXIMUM LIMITS SPECIFIED BY THIS APPROVAL.
- 7- USE: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, ARCHITECT OR ENGINEER OF RECORD TO VERIFY THE FOLLOWING:
  - 7.1- THE STABILITY OF THE STRUCTURE WHERE THE PRODUCT IS TO BE ATTACHED INSURING PROPER ANCHORAGE.
  - 7.2- THE SITE SPECIFIC PROJECT CRITERIA, SUCH AS BUT NOT LIMITED TO, LOCAL CODE REQUIREMENTS, DESIGNED PRESSURES ETC.
  - 7.3- THAT THIS APPROVAL IS ADEQUATE TO THE SPECIFIC PROJECT.
- 8- WOOD BUCKS (1x or 2x) BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
- 9- DISSIMILAR MATERIALS: ALUMINUM CONTACTING MATERIALS NOT CONSIDERED COMPATIBLE SHALL BE PROTECTED AS PER THE REQUIREMENTS OF 2010 FLORIDA BUILDING CODE SECTION 2003.8.4.

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## DOOR ALLOWABLE DESIGNED PRESSURES

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REFER TO EACH MODEL FOR REINFORCEMENT TYPE, ALLOWABLE DESIGNED PRESSURES AND SIZES.

MANUFACTURER:



**SOUTH  
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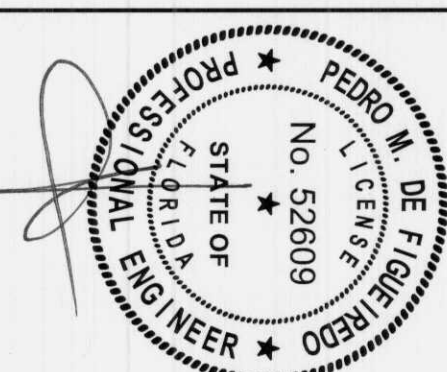
PRODUCT:

**ATLAS PLUS SERIES**  
MODELS 1200, 1200A, 3000, 3000R  
ALUMINUM SLIDING GLASS DOOR

ENGINEERING:

**Eng'go Inc.**

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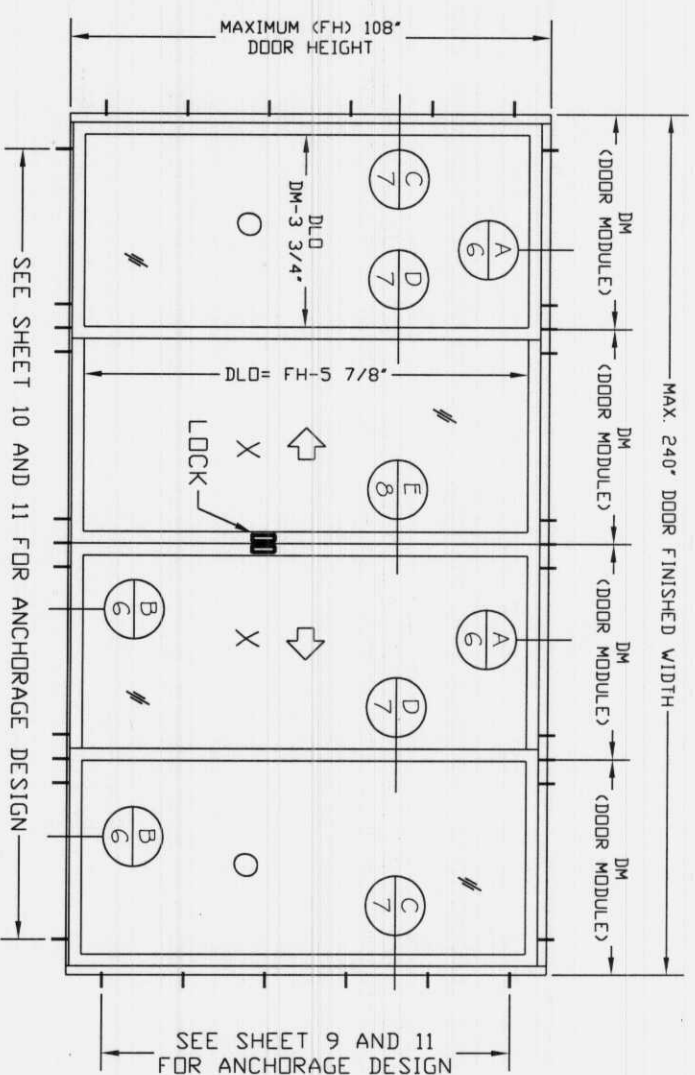
Engineer Seal  
Pedro De Figueiredo  
PE 52609

Date: 4/14/12  
Scale: NA  
Design by: PPMF

Drawing Number  
**12-074**

SHEET  
**1 of 14**

ATLAS PLUS SERIES - 1200 MODEL SLIDING GLASS DOOR



OX-XO - (AS TESTED)

1200 MODEL CONFIGURATIONS NOTES:

1. SLIDING GLASS DOOR CAN BE CONFIGURED IN DIFFERENT WAYS BY USING THE APPROVED SECTIONS FOR EACH MODEL.
2. CONFIGURATIONS CAN BE MADE WITH 2, 3 OR MANY MODULES AS LONG AS DOES NOT EXCEED THE MAXIMUM MODULE SIZES AND PRESSURES LISTED IN TABLE 1.
3. USE SECTIONS A OR A1 FOR HEADER DETAILS.
4. USE SECTIONS B OR B1 FOR SILL DETAILS.
5. USE SECTIONS C OR C1 FOR JAMB DETAILS
6. USE SECTION D FOR INTERLOCK DETAILS (W/ CLIP)
7. USE SECTION E FOR MEETING STILES DETAILS
8. OPTIONAL MID JAMB SECTION G

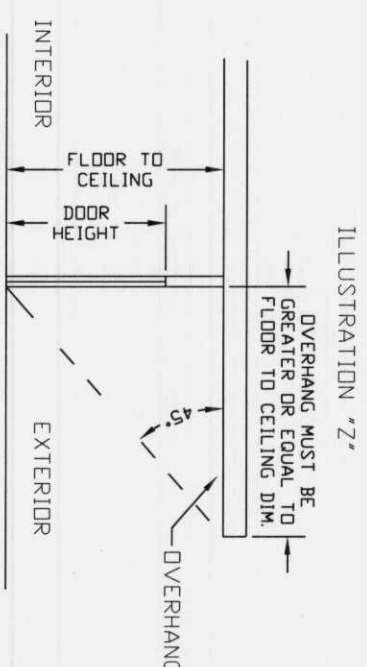
EXAMPLE FOR ALTERNATE CONFIGURATIONS

- 2 PANELS - OX - FW <= 120"
- 3 PANELS - X-XO, O-XO - FW <= 180"
- 4 PANELS - OX-XO, X-XOO, XO-OX - FW <= 240"
- 5 PANELS - OX-XOX, OOX-XO - FW <= 240"
- 6 PANELS - OOX-XOO, OX-XOOO - FW <= 240"

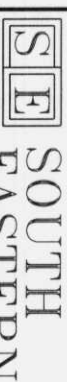
TABLE 1 - 1200 MODEL ALLOWABLE DESIGNED PRESSURES (Psf)

FH	DOOR MODULE (INCHES)			
	36	42	48	54
80	-100, +50	-85, +50	-75, +50	-66, +50
84	-95, +50	-81, +50	-71, +50	-63, +50
88	-90, +50	-77, +50	-68, +50	-60, +50
92	-86, +50	-74, +50	-65, +50	-57, +50
96	-83, +50	-71, +50	-62, +50	-55, +50
108	-52, +50	-44, +44	-39, +39	-34, +34
				60
				-60, +50
				-57, +50
				-54, +50
				-52, +50
				-50, +50
				-31, +31

- NOTES:
- 1- FH AND DM ARE IN INCHES
  - 2- DESIGNED PRESSURES ARE IN PSF
  - 3- IN AREAS WHERE THE DOOR DESIGN IS NOT LIMITED BY WATER INFILTRATION, USE FOR POSITIVE THE NEGATIVE PRESSURE VALUE. SEE ILLUSTRATION "Z".



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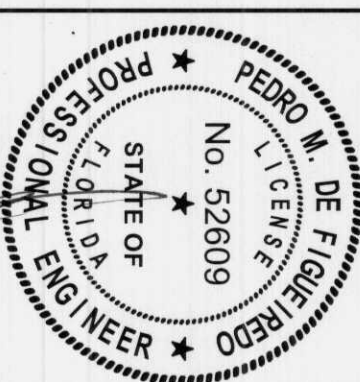
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