ARCADIA INC.

TD-400 TERRACE DOOR (NON-HVHZ)(NON-IMPACT)

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- 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.
- 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.
- FOR INSTALLATION INTO WOOD FRAMING USE #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 3/16 INCH DIAMETER ITW TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1 3/4 INCH MINIMUM EMBEDMENT.
- FOR INSTALLATION THROUGH METAL FRAME USE #10 SELF-DRILLING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND METAL FRAME SUBSTRATE.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- 10. FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- 11. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
- 12. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - A. WOOD MINIMUM SPECIFIC GRAVITY OF 0.55
 - B. CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - C. MASONRY STRENGTH CONFORMANCE TO ASTM C-90.
 - D. STEEL MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM 18 GA. WALL THICKNESS.
 - E. ALUMINUM MINIMUM 1/8 INCH THICK 6063-T5 ALUMINUM.

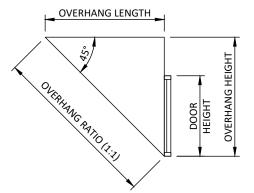
GENERAL NOTES:

- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), EXCLUDING HVHZ AND HAS BEEN **EVALUATED ACCORDING TO THE FOLLOWING:**
 - ASTM E283-19
 - ASTM E330-14
 - ASTM E331-00(16)
- 2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING AND METAL STUD FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 3. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
- 5. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- 6. DOOR FRAME MATERIAL: ALUMINUM 6063-T6
- 7. ALL STRUCTURAL MATERIALS & DISSIMILIAR METALS SHALL BE PROTECTED, TREATED, PAINTED, COATED, AND/OR ISOLATED AS REQUIRED IN THE APPLICABLE SECTIONS OF THE CURRENT FLORIDA BUILDING CODE AND REFERENCED DESIGN SPECIFICATIONS.
- 8. GLASS SHALL MEET THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 3 FOR GLAZING DETAILS.

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SHEET	SHEET DESCRIPTION				
1	INSTALLATION & GENERAL NOTES				
2	ELEVATIONS & ANCHOR LAYOUTS				
3	ELEVATION, ANCHOR LAYOUT, & GLAZING DETAILS				
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6	HORIZONTAL SECTIONS				
7	ANCHOR DETAILS & ANCHOR SCHEDULE				
8	BILL OF MATERIALS & COMPONENTS				

	DESIGN PRESSURE TABLE								
UNIT	MAX. FRAME SIZE		DESIGN						
	WIDTH	HEIGTH	PRESSURE	CONFIGURATION	IMPACT RATING				
*1	77 5/8"	96"	+65/-65 PSF	"XX" OUTSWING	NON-IMPACT RATED				
2	36"	84"	+65/-65 PSF	"X" OUTSWING					
3	36"	84"	+40/-65 PSF	"X" OUTSWING					
*4	42"	96"	+65/-65 PSF	"X" OUTSWING					
5	36"	84"	+65/-65 PSF	"X" INSWING					
6	36"	84"	+40/-65 PSF	"X" INSWING					

*NOTE: UNITS NOT RATED FOR WATER INFILTRATION. DOOR ASSEMBLIES INSTALLED WHERE THE OVERHANG (OH) RATIO IS EQUAL TO OR MORE THAN 1 NEED NOT BE TESTED FOR WATER INFILTRATION. OVERHANG RATIO (OH) = OVERHANG LENGTH ÷ OVERHANG HEIGHT





2301 EAST VERNON AVE. VERNON, CA 90058 PH: (323)771-9819

TD-400 TERRACE DOOR (NON-HVHZ)(NON-IMPACT) INSTALLATION & GENERAL NOTES

DROPS, 11 COURT, STE. 2 11, FL 33132 14)399-8478 54)744.4738 UILDING 1 ⋰≅

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REMARKS BY DATE

ND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECI SITE, IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIA FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSE! ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC



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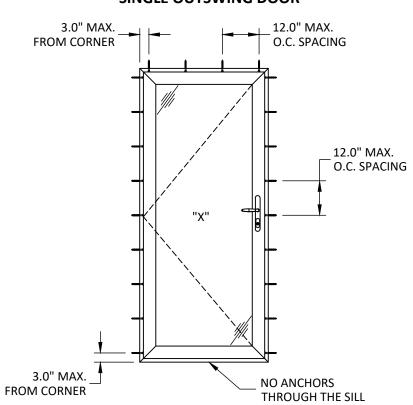
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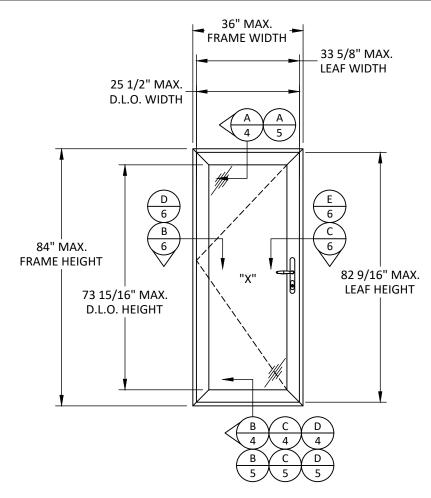
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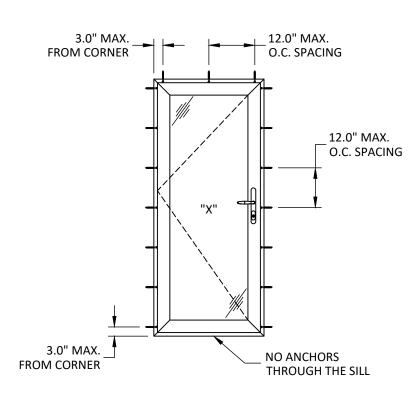
ELEVATION SINGLE OUTSWING DOOR



ANCHOR LAYOUT THROUGH FRAME



ELEVATION SINGLE OUTSWING/INSWING DOOR



ANCHOR LAYOUT THROUGH FRAME



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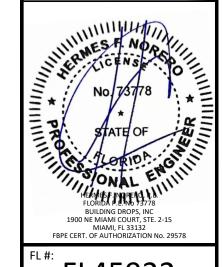
TD-400 TERRACE DOOR (NON-HVHZ)(NON-IMPACT) ELEVATIONS & ANCHOR LAYOUTS

BUILDING DROPS, II

1900 NE MIAMI COURT, STE. 2-:
MIAMI, FL 33132
PH. (954) 399-8478
FAX: (954) 744.4738
FAX: whildingdrops.cor

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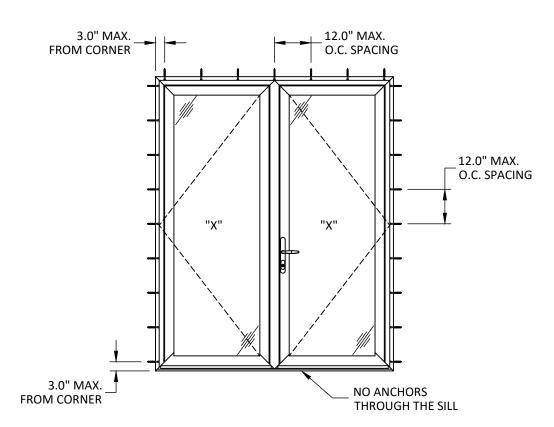
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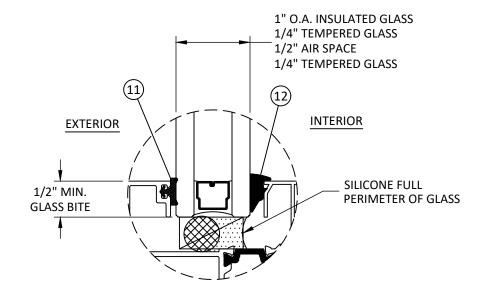
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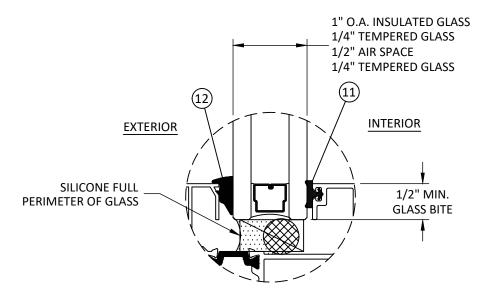
ELEVATION DOUBLE OUTSWING DOOR



ANCHOR LAYOUT THROUGH FRAME



GLAZING DETAIL OUTSWING



GLAZING DETAIL INSWING

NOTES:

- 1. GLASS THICKNESS AND TYPE SHALL COMPLY WITH ASTM E1300 GLASS CHART REQUIREMENTS.
- ALL GLAZING CONFIGURATIONS SHALL COMPLY WITH SAFETY GLAZING REQUIREMENTS OUTLINED IN THE FBC.
- ALL LITES GREATER THAN 36" IN WIDTH SHALL UTILIZE SETTING BLOCKS IN ACCORDANCE WITH THE FBC. CH. 24
- SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN CHAPTER 24.



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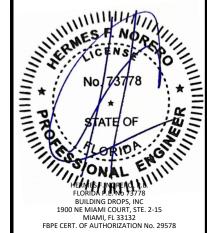
TD-400 TERRACE DOOR (NON-HVHZ)(NON-IMPACT) ELEVATION, ANCHOR LAYOUT, & GLAZING DETAILS

3UILDING DROPS, I 1900 NE MIAMI COURT, STE. 2-MIAMI, FL 33132 PH: (954)399-8478 FAX: (954)744.4738

PREPARED BY: BU M BY DATE

REMARKS

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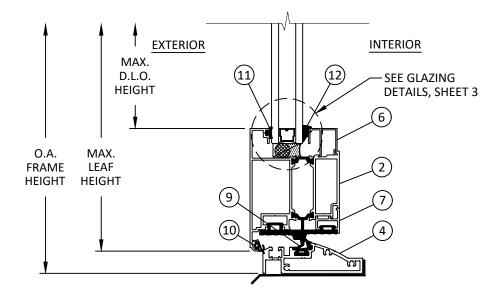
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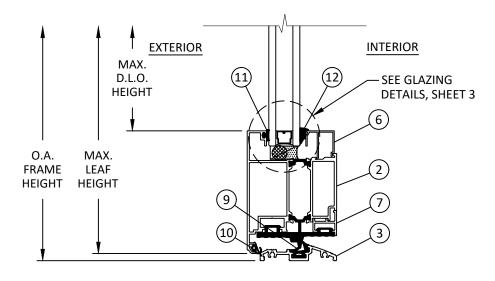
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*NOTE: CONCEALED THRESHOLD NOT RATED FOR WATER.

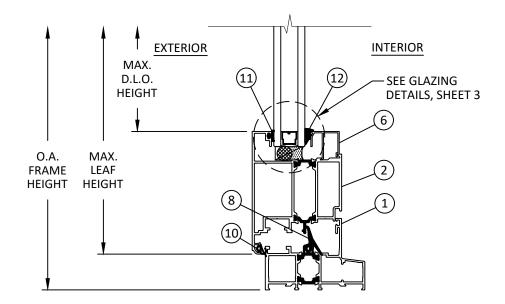




VERTICAL SECTION

DOOR SILL - ADA - OUTSWING ONLY FOR SINGLE DOORS

*NOTE: ADA SILL RATED FOR WATER UP TO A POSITIVE DESIGN PRESSURE OF +40 PSF.





VERTICAL SECTION

DOOR SILL - STANDARD - OUTSWING ONLY FOR SINGLE DOORS

*NOTE: STANDARD SILL RATED FOR WATER UP TO A POSITIVE DESIGN PRESSURE OF +65 PSF.



2301 EAST VERNON AVE. VERNON, CA 90058 PH: (323)771-9819

TD-400 TERRACE DOOR (NON-HVHZ)(NON-IMPACT) **VERTICAL SECTIONS**

PREPARED BY:

BUILDING DROPS, IN

1900 NE MIAMI COURT, STE. 2-1

MIAMI, FL 33132

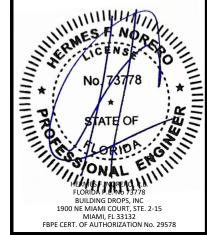
PH. (954) 399-8478

FAX: (954) 4744-4738

FAX: (954) 4744-478

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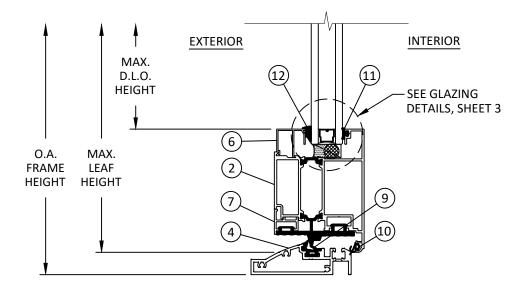
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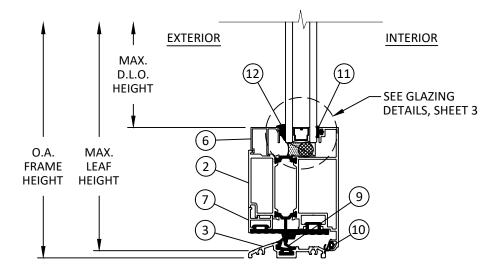
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*NOTE: CONCEALED THRESHOLD NOT RATED FOR WATER.

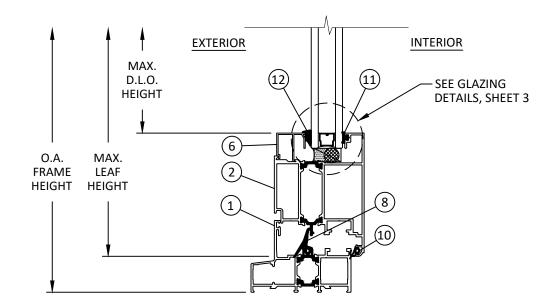


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VERTICAL SECTION

DOOR SILL - ADA - INSWING ONLY FOR SINGLE DOORS

*NOTE: ADA SILL RATED FOR WATER UP TO A POSITIVE DESIGN PRESSURE OF +40 PSF.





VERTICAL SECTION

DOOR SILL - STANDARD - INSWING ONLY FOR SINGLE DOORS

*NOTE: STANDARD SILL RATED FOR WATER UP TO A POSITIVE DESIGN PRESSURE OF +65 PSF.



2301 EAST VERNON AVE. VERNON, CA 90058 PH: (323)771-9819

TD-400 TERRACE DOOR (NON-HVHZ)(NON-IMPACT) VERTICAL SECTIONS

BY:

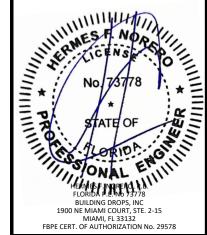
BUILDING DROPS, I
1900 NE MIAMI COURT, STE. 2MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744.4738

PREPARED BY:
BUIL

REMARKS BY DATE

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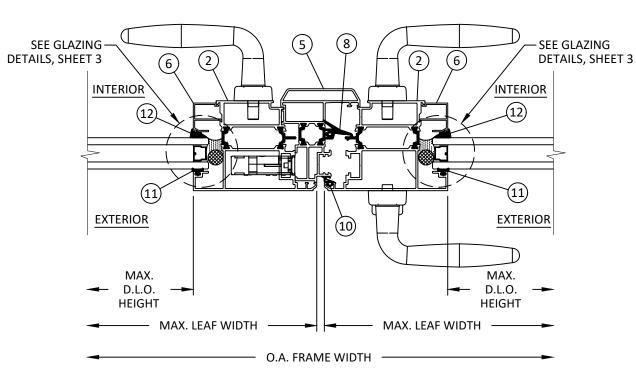
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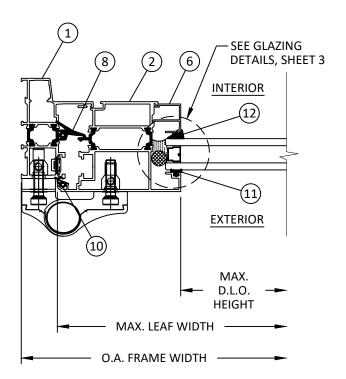
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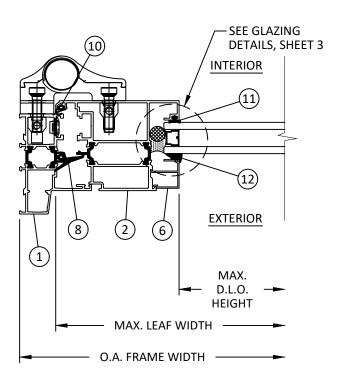
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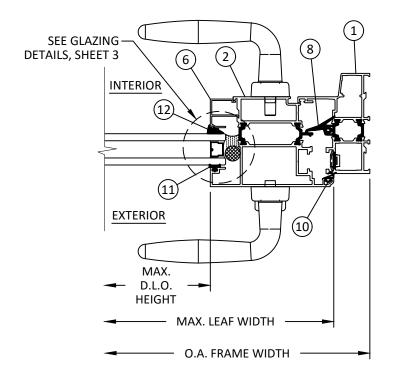




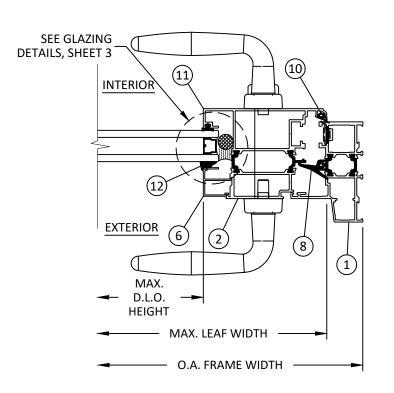
















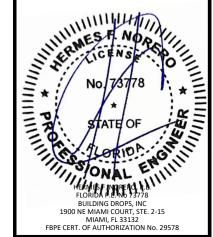
TD-400 TERRACE DOOR
(NON-HVHZ)(NON-IMPACT)
HORIZONTAL SECTIONS

SED BY:
BUILDING DROPS, INC.
1900 NE MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)7444738

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THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC

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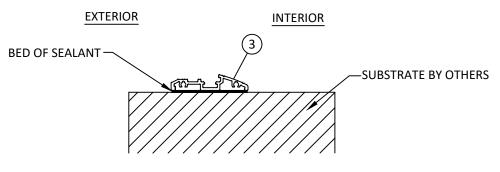
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*NOTE: NO ANCHORS REQUIRED ON DOOR SILL. ADA SILL SHOWN, CONCEALED THRESHOLD AND STANDARD SILL SIMILAR.



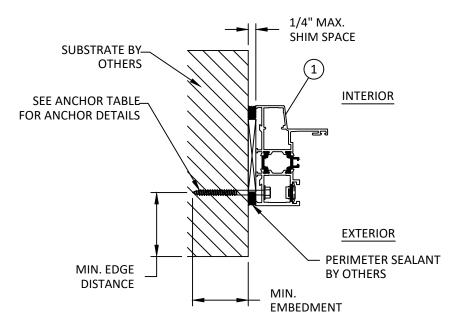
VERTICAL SECTION

DOOR SILL

A VERTICAL SECTION

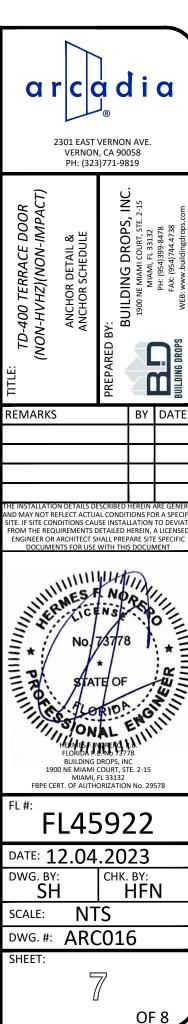
DOOR HEAD
THROUGH FRAME

*NOTE: OUTSWING DOOR INSTALLATION DETAILS SHOWN, INSWING DETAILS MIRRORED.



ANCHOR SCHEDULE								
METHOD	SUBSTRATE	SUBSTRATE ANCHOR SCHEDULE		MIN. EDGE DISTANCE				
THROUGH FRAME (HEAD/JAMBS)	WOOD: MIN. SG = 0.55	#10 WOOD SCREW	1.50"	0.75"				
	METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI	#40 051 5 DDW 1010	3 THREADS MIN PENETRATION BEYOND METAL	0.50"				
	METAL: ALUMINUM MIN. 1/8" THICKNESS. MIN. 6063-T5	#10 SELF-DRILLING SCREW						
	CONCRETE: f'c=3000PSI	3/16" ITW TAPCON	1.75"	2.50"				
	MASONRY: CMU per ASTM C90	3/16" ITW TAPCON	1.75"	2.50"				

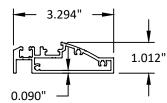


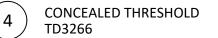


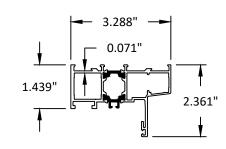
s:\projects\arcadia, inc\fbc-23-1054 - fbc submittal - td400 terrace doors\dwgs\a



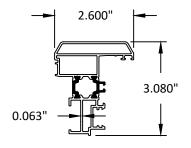
CONCEALED THRESHOLD



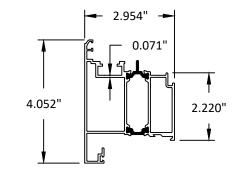




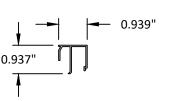




ASTRAGAL 5 TD3258/TD3259



STILE/RAIL 2 TD3253/TD3254



GLAZING BEAD 6 WWB02



VERNON, CA 90058 PH: (323)771-9819

BY DATE

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OF 8

RAIL ADAPTER TD3257

0.827

ADA SILL

TD3260

3

0.791" -

0.059"

