ARCADIA INC.

TD-400 TERRACE DOOR (WZ3)(IMPACT)

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3. 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.
4. 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.
5. FOR INSTALLATION INTO WOOD FRAMING USE #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
6. 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.
7. FOR INSTALLATION THROUGH METAL FRAME USE #10 SELF-DRILLING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND METAL FRAME SUBSTRATE.
8. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
9. 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 E1886-19
    - ASTM E1996-20
    - 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 NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONES 3 OR LESS.
6. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 4.
7. DOOR FRAME MATERIAL: ALUMINUM 6063-T6
8. 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.
9. GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 3 FOR GLAZING DETAIL.

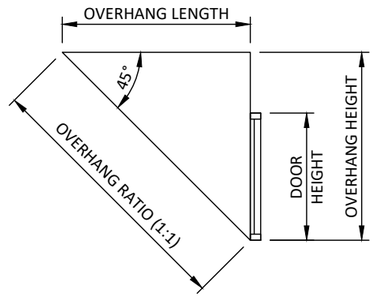
TABLE OF CONTENTS

DESIGN PRESSURE TABLE

UNIT	MAX. FRAME SIZE		DESIGN PRESSURE	CONFIGURATION	IMPACT RATING
	WIDTH	HEIGTH			
*1	77 5/8"	96"	+65/-65 PSF	"XX" OUTSWING	LARGE & SMALL MISSILE IMPACT
2	36"	84"	+65/-65 PSF	"X" OUTSWING	
3	36"	84"	+40/-65 PSF	"X" OUTSWING	
*4	42"	96"	+65/-65 PSF	"X" OUTSWING	

*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



arcadia®
2301 EAST VERNON AVE.
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PH: (323)771-9819

TITLE: *TD-400 TERRACE DOOR (WZ3)(IMPACT)*
INSTALLATION & GENERAL NOTES

PREPARED BY:
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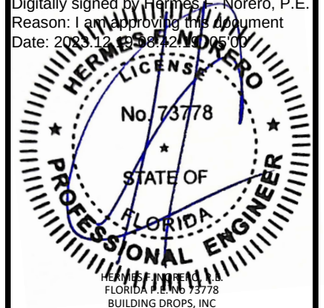
REMARKS	BY	DATE



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FLORIDA P.E. NO 73778
BUILDING DROPS, INC
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MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL45922

DATE: 12.04.2023

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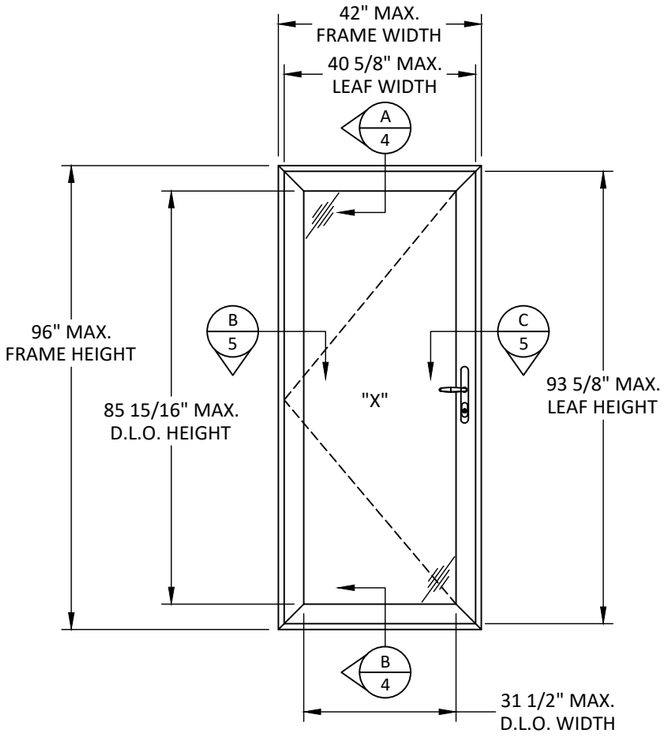
SH	HFN

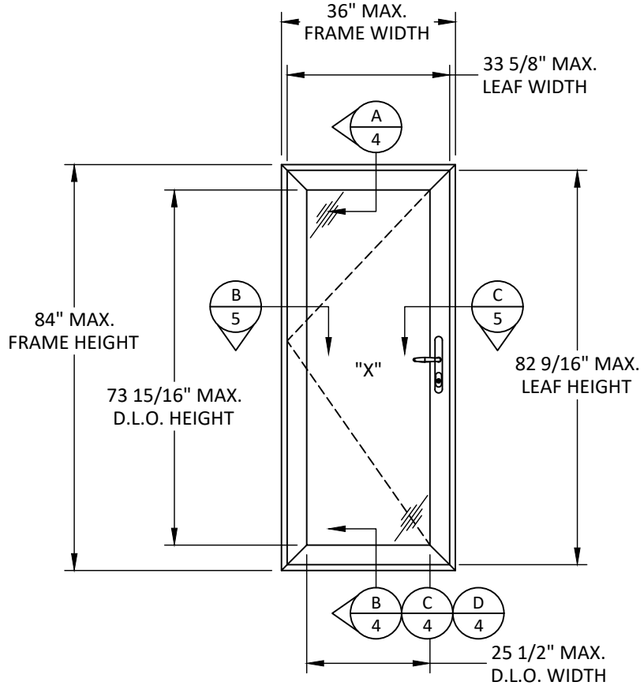
SCALE: NTS

DWG. #: ARC015

SHEET: 1 OF 7



ELEVATION
SINGLE OUTSWING DOOR



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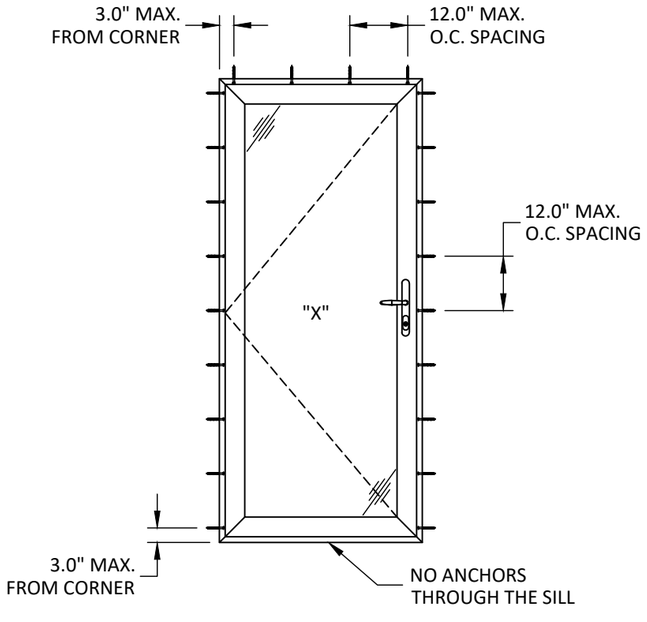
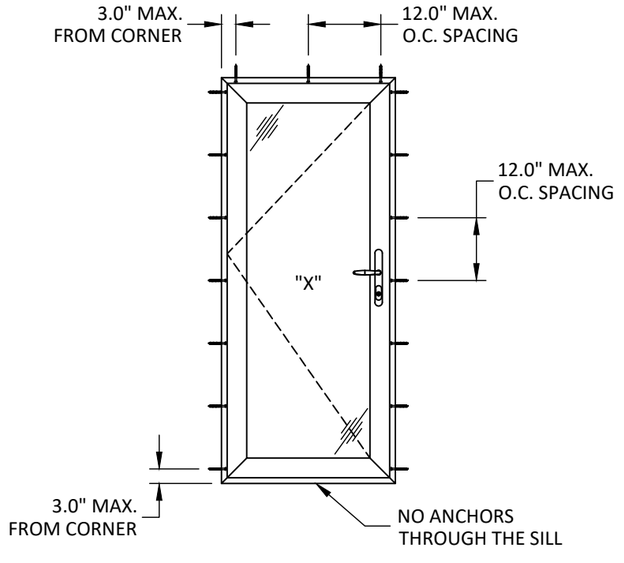


ANCHOR LAYOUT
THROUGH FRAME



ANCHOR LAYOUT
THROUGH FRAME

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TITLE: *TD-400 TERRACE DOOR (WZ3)(IMPACT)*

ELEVATIONS & ANCHOR LAYOUTS

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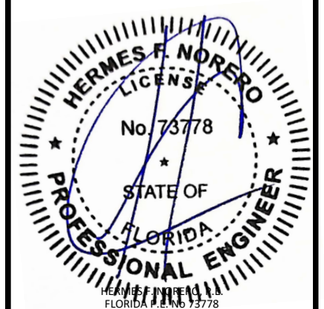

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1900 NE MIAMI COURT, STE. 2-15
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FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL45922

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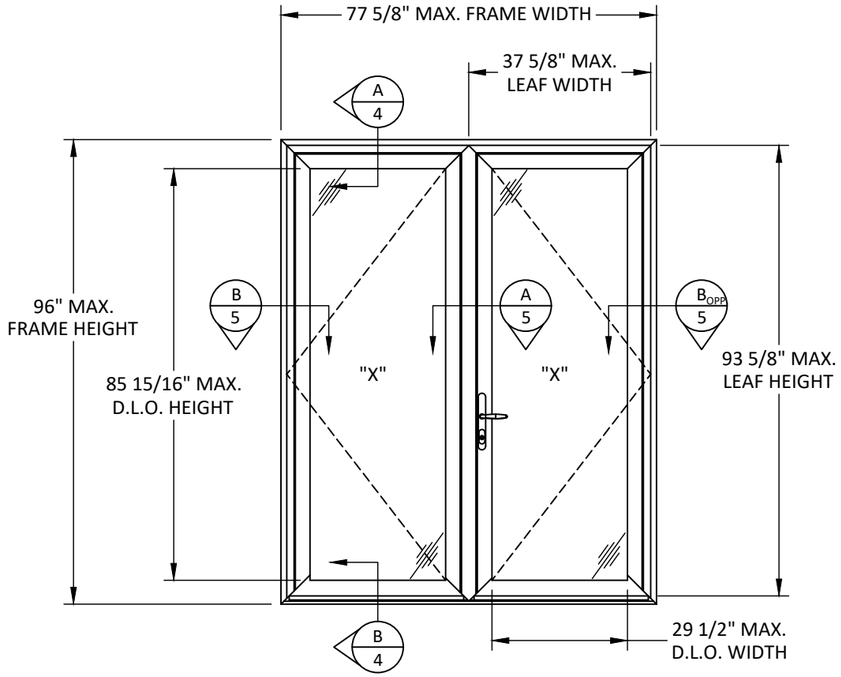
SCALE: NTS

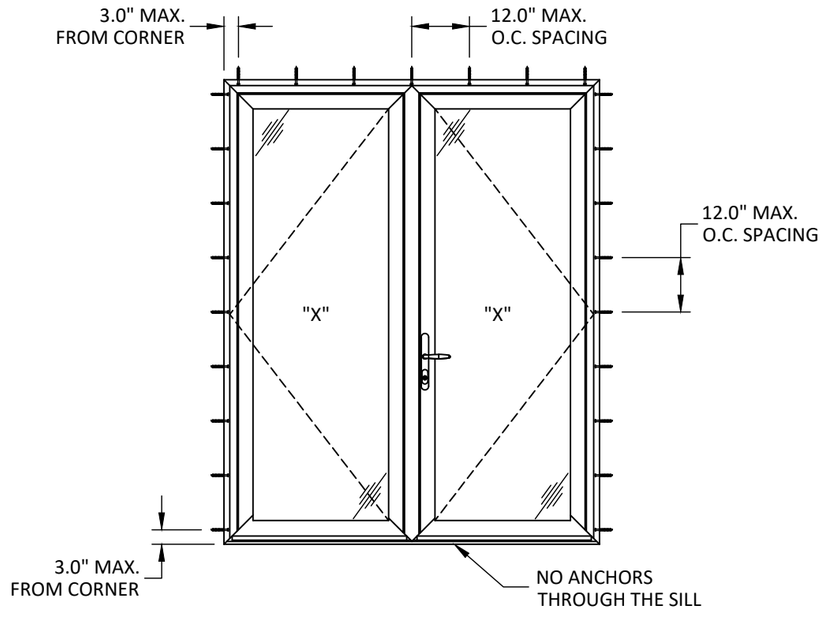
DWG. #: ARC015

SHEET: 2 OF 7



ELEVATION

DOUBLE OUTSWING DOOR



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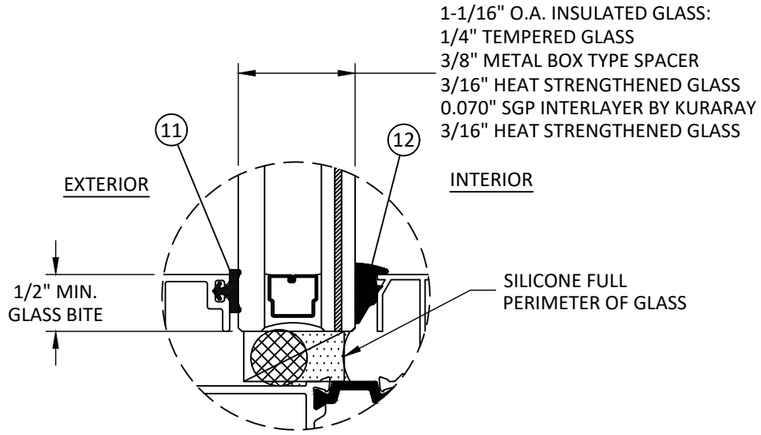
THROUGH FRAME



GLAZING DETAIL

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

arcadia®
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TITLE: *TD-400 TERRACE DOOR (WZ3)(IMPACT)*

ELEVATION, ANCHOR LAYOUT, & GLAZING DETAIL

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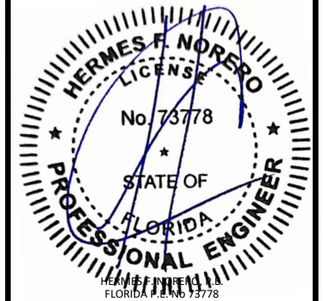

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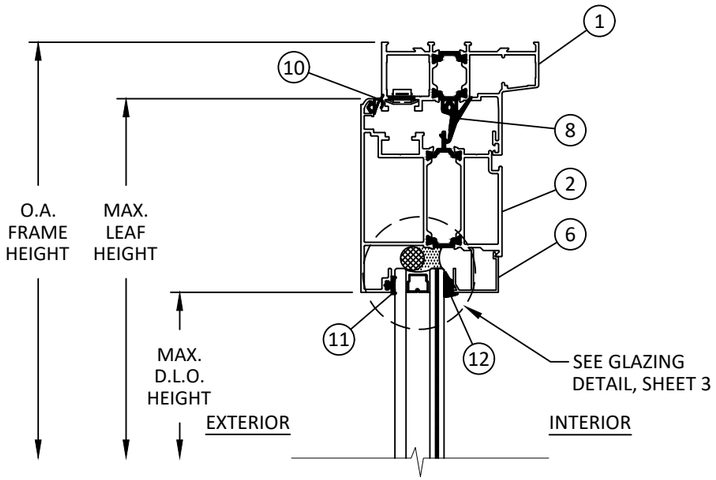
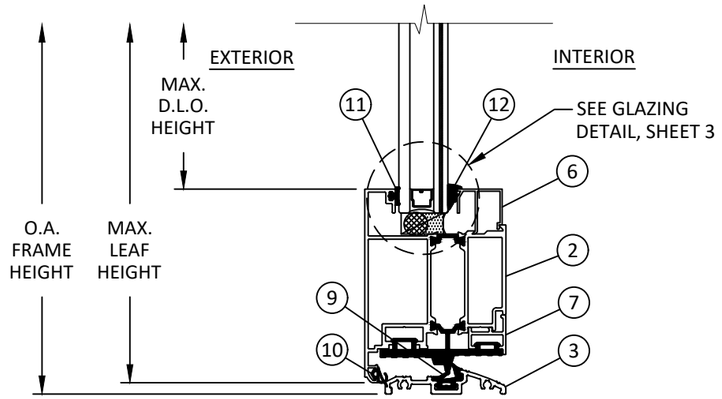
SHEET: 3 OF 7



A/4 VERTICAL SECTION

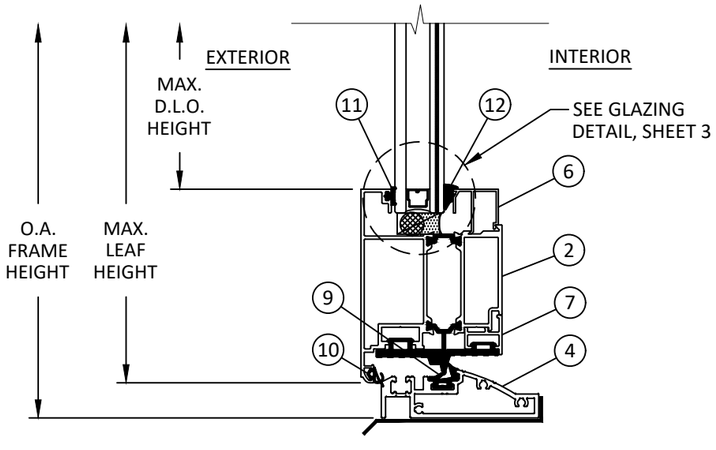
DOOR HEAD - OUTSWING



C/4 VERTICAL SECTION

DOOR SILL - ADA - OUTSWING
ONLY FOR SINGLE DOORS

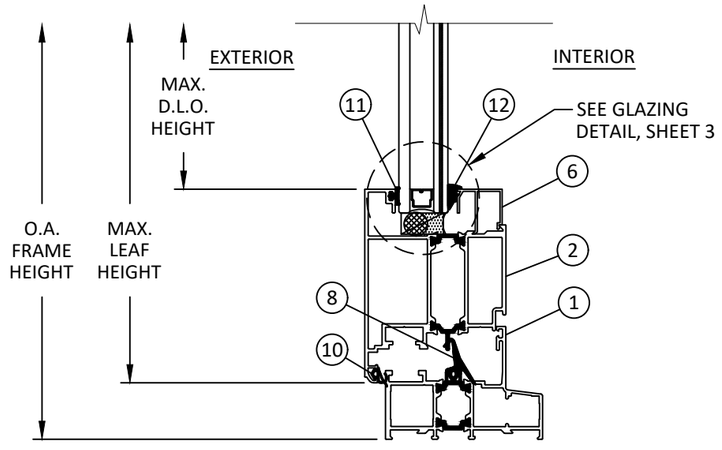
*NOTE: ADA SILL RATED FOR WATER UP TO A POSITIVE DESIGN PRESSURE OF +40 PSF.



B/4 VERTICAL SECTION

DOOR SILL - CONCEALED THRESHOLD - OUTSWING
DOUBLE & SINGLE DOORS

*NOTE: CONCEALED THRESHOLD NOT RATED FOR WATER.



D/4 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.

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TITLE: *TD-400 TERRACE DOOR (WZ3)(IMPACT)*
VERTICAL SECTIONS

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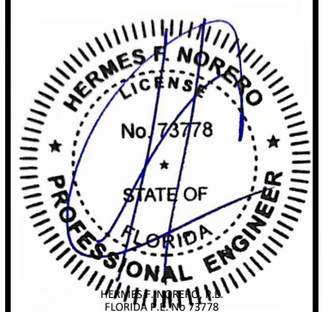

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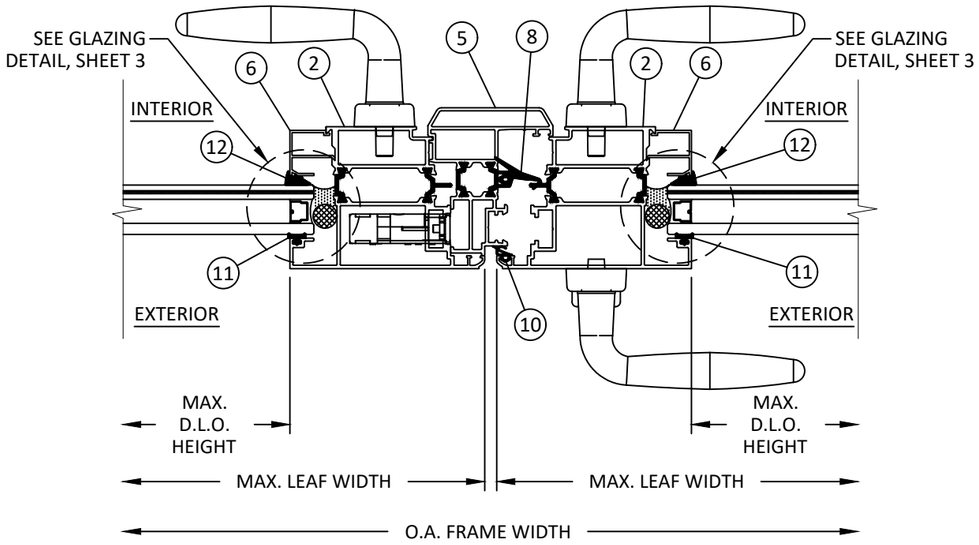
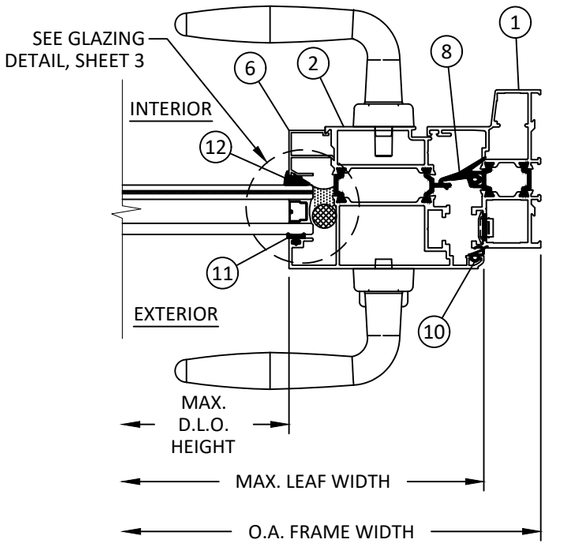
SHEET: 4



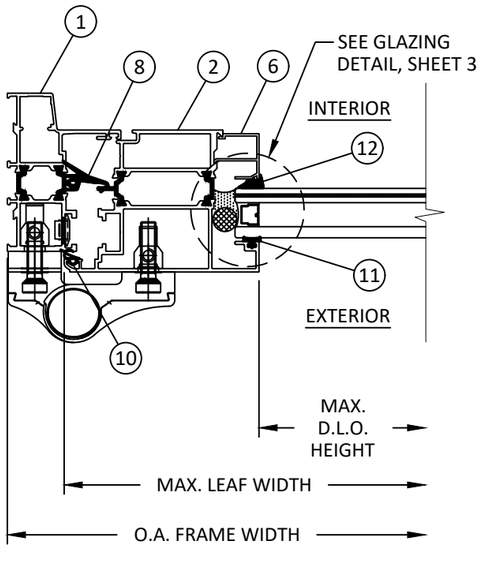
A/5 HORIZONTAL SECTION

DOOR MEETING STILE - OUTSWING



C/5 HORIZONTAL SECTION

DOOR LOCK JAMB - OUTSWING



B/5 HORIZONTAL SECTION

DOOR HINGE JAMB - OUTSWING

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TITLE: *TD-400 TERRACE DOOR (W23)(IMPACT)*

HORIZONTAL SECTIONS

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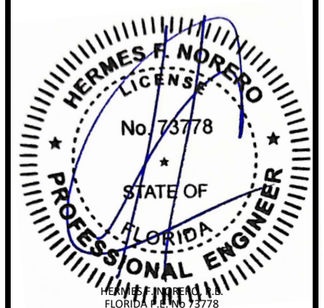

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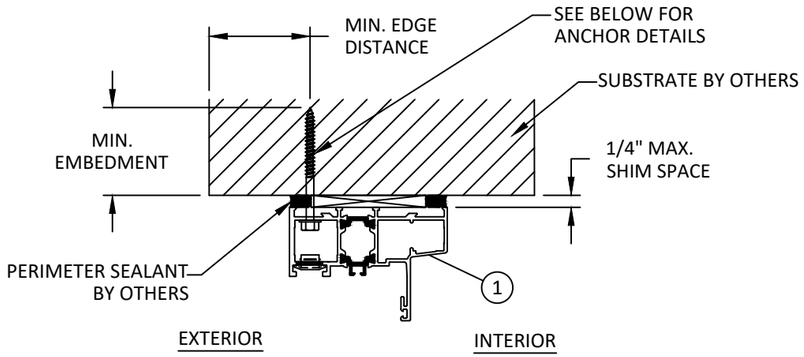
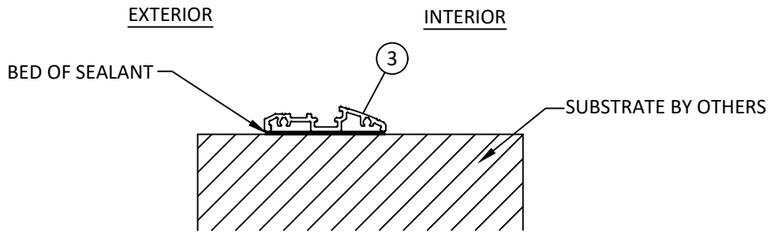
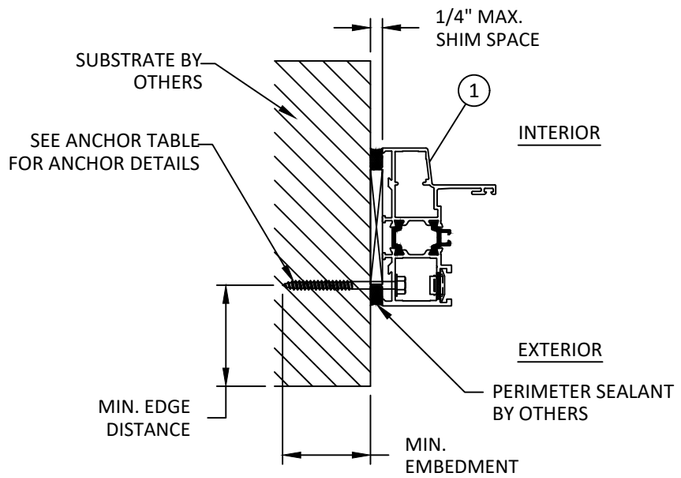


A/6 VERTICAL SECTION
DOOR HEAD THROUGH FRAME



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

B/6 VERTICAL SECTION
DOOR SILL



C/6 HORIZONTAL SECTION
DOOR JAMB THROUGH FRAME

ANCHOR SCHEDULE				
METHOD	SUBSTRATE	ANCHOR SCHEDULE	MIN. EMBEDMENT	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	#10 SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.50"
	METAL: ALUMINUM MIN. 1/8" THICKNESS. MIN. 6063-T5			
	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"

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TITLE: *TD-400 TERRACE DOOR (WZ3)(IMPACT)*
ANCHOR DETAIL & ANCHOR SCHEDULE

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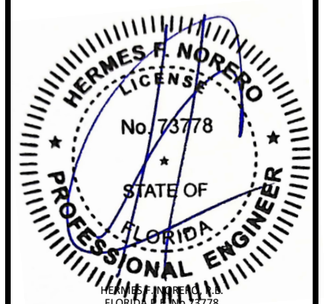

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SH	HFN

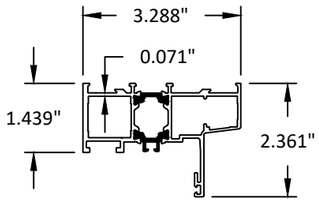
SCALE: NTS

DWG. #: ARC015

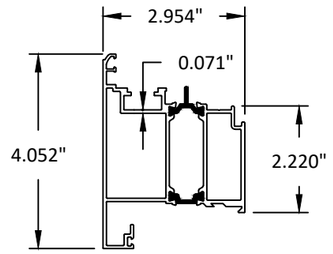
SHEET: 6 OF 7

BILL OF MATERIALS

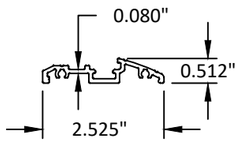
ITEM	PART No.	DESCRIPTION	MATERIAL	MANUFACTURER
1	TD32511/TD3252	FRAME	6063-T6	ARCADIA INC.
2	TD3253/TD3254	STILE/RAIL	6063-T6	ARCADIA INC.
3	TD3260	ADA SILL	6063-T6	ARCADIA INC.
4	TD3266	CONCEALED THRESHOLD	6063-T6	ARCADIA INC.
5	TD3258/TD3259	ASTRAGAL	6063-T6	ARCADIA INC.
6	WWB02	GLAZING BEAD	6063-T6	ARCADIA INC.
7	TD3257	RAIL ADAPTER	6063-T6	ARCADIA INC.
8	TDG1	FRAME GASKET	NEOPRENE	BY OTHERS
9	TDG3	SILL GASKET	NEOPRENE	BY OTHERS
10	TDG4	STILE/RAIL GASKET	NEOPRENE	BY OTHERS
11	S6603	GLAZING GASKET	NEOPRENE	BY OTHERS
12	S6101	GLAZING GASKET	NEOPRENE	BY OTHERS



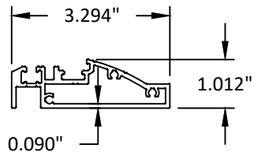
1 FRAME
TD32511/TD3252



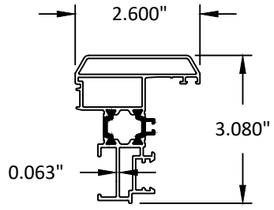
2 STILE/RAIL
TD3253/TD3254



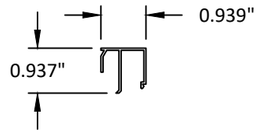
3 ADA SILL
TD3260



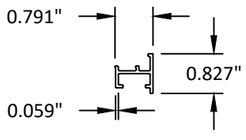
4 CONCEALED THRESHOLD
TD3266



5 ASTRAGAL
TD3258/TD3259



6 GLAZING BEAD
WWB02



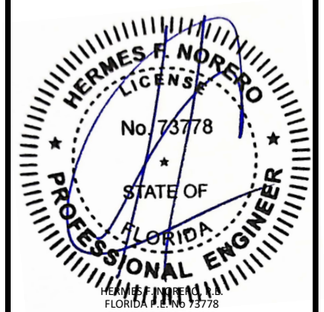
7 RAIL ADAPTER
TD3257

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

TITLE: *TD-400 TERRACE DOOR (WZ3)(IMPACT)*
BILL OF MATERIALS & COMPONENTS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744.4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE



HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL45922

DATE: 12.04.2023

DWG. BY:	CHK. BY:
SH	HFN

SCALE: NTS

DWG. #: ARC015

SHEET: 7 OF 7