

# ANDERSEN CORPORATION

## A-SERIES HINGED PATIO DOOR-OUTSWING WITH STORMWATCH PROTECTION (IMPACT)



100 FOURTH AVE NORTH  
BAYPORT, MN 55003-1096  
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: A-SERIES HINGED PATIO DOOR-OUTSWING WITH STORMWATCH PROTECTION (IMPACT)  
GENERAL NOTES

PREPARED BY: BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD., STE. 338  
DANIA BEACH, FL 33004  
PH: (954) 399-8478  
FAX: (954) 744-4738  
WEB: www.buildingdrops.com



**INSTALLATION NOTES:**

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
- 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 3/8 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- 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.
- 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.
- 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.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
  - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.42.
  - CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
  - GROUT-FILLED CMU- UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 1924 PSI AND GROUT CONFORMS TO ASTM C 476, MINIMUM GROUT COMPRESSIVE STRENGTH OF 2000 PSI.
  - HOLLOW BLOCK CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 1924 PSI.
  - STEEL - MINIMUM YIELD STRENGTH OF 36 KSI. MINIMUM WALL THICKNESS OF 18 GAUGE. MIN. 1/2" EDGE DISTANCE.
  - ALUMINUM - MINIMUM 1/8" THICKNESS. (6063-T5)

**GENERAL NOTES:**

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2018 INTERNATIONAL BUILDING CODE (IBC) AND 2018 INTERNATIONAL RESIDENTIAL CODE (IRC), AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
  - AAMA/WDMA/CSA 101/I.S.2/A440-17
  - ASTM 1886-13a
  - ASTM 1996-17
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X 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.
- 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.
- 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.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- DOOR FRAME MATERIAL: *PONDEROSA PINE OR EQUIVALENT WITH FIBERGLASS CLADDING. (MIN SG = 0.40)*
- GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 6 FOR GLAZING DETAILS.
- DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:  
X: OPERABLE PANEL  
O: FIXED PANEL
- CUSTOM SIZES AVAILABLE UPON REQUEST. CUSTOM DESIGN PRESSURE WILL BE ASSIGNED EQUAL TO NEXT LARGER STANDARD SIZE.
- IN ACCORDANCE WITH THE 2018 IBC, WOOD COMPONENTS SHALL HAVE BEEN PRESERVATIVE TREATED OR SHALL BE OF A DURABLE SPECIES AS PER CH 23.
- IN ACCORDANCE WITH THE 2018 IBC, DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED AS PER CH 20.

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WATER RATING	MISSILE IMPACT RATING
W/ WATER INFILTRATION	LARGE AND SMALL MISSILE IMPACT RATED

REMARKS	BY	DATE
GLAZING DETAILS UPD.	MS	4.30.14
CONTEMPORARY UPD.	SH	2.21.23

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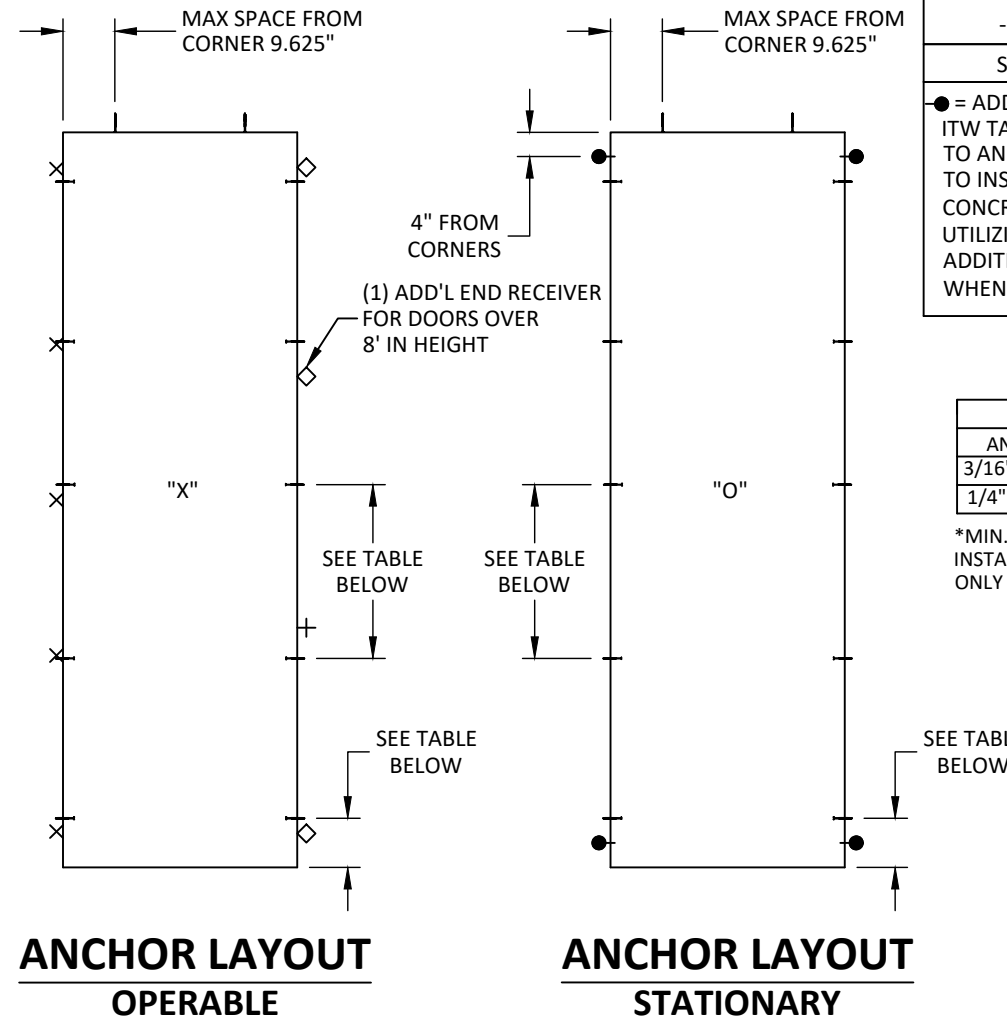
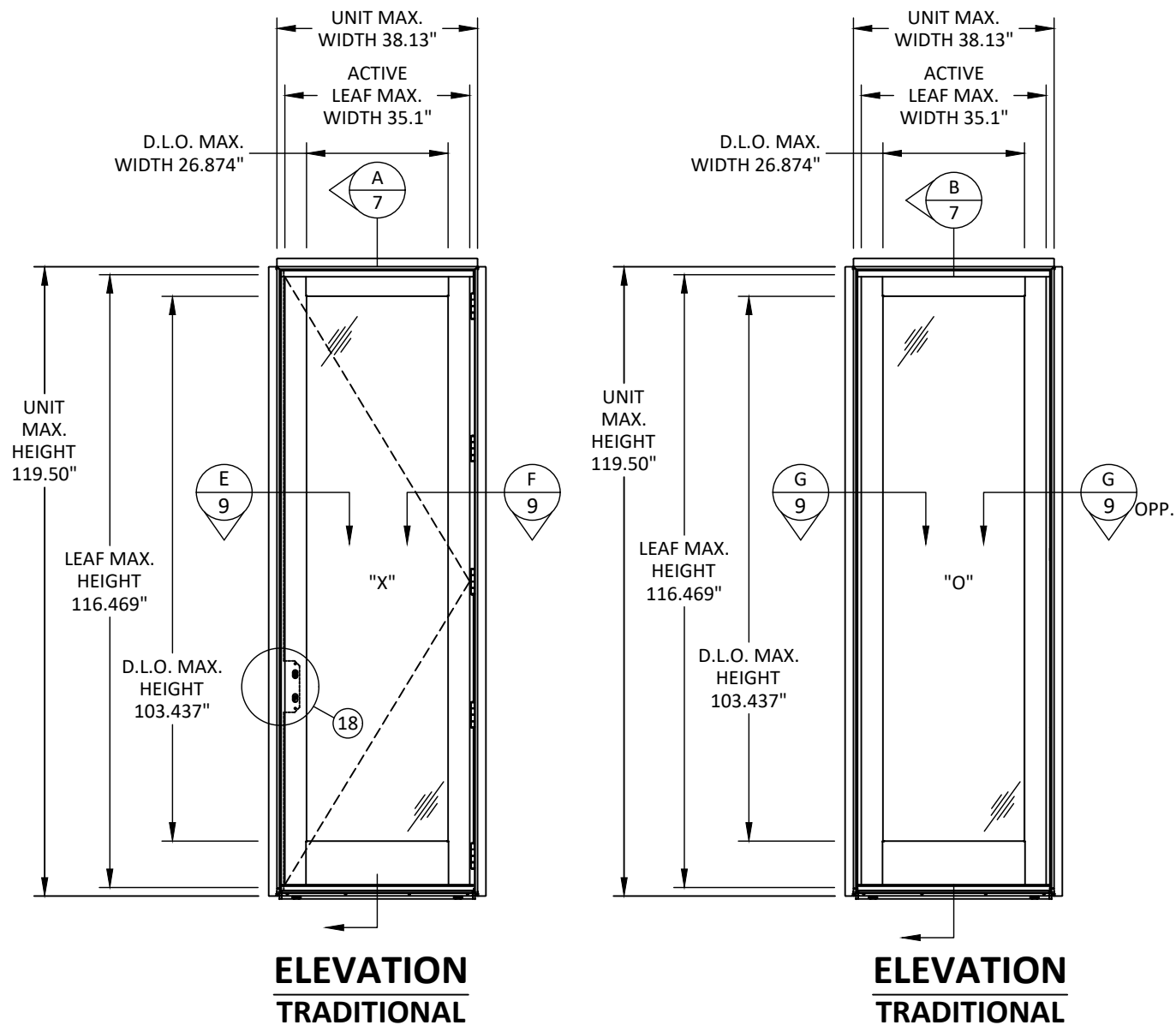


HERMES F. NORERO, P.E.  
TEXAS P.E. No. 118471  
BUILDING DROPS, INC  
398 E. DANIA BEACH BLVD. # 338  
DANIA BEACH, FL 33004  
TBPE FIRM No. 13734

DATE:	08.03.12	
DWG. BY:	MSS	CHK. BY: HFN
SCALE:	NTS	
DWG. #:	AWD062	

SHEET: 1 OF 12

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**ACTIVE DOOR LEGEND (X)**

- × = TWO (2) ANCHORS THRU HINGE PLATE
- ◇ = ANCHORS THRU END RECEIVER
  - WOOD OR METAL: THREE (3)
  - CONCRETE/MASONRY: TWO (2)
- + = ANCHORS THRU CENTER RECEIVER
  - WOOD OR STEEL: FOUR (4)
  - CONCRETE/MASONRY: TWO (2)

**STATIONARY DOOR LEGEND (O)**

- = ADDITIONAL FIELD DRILLED 3/16\"/>

*MIN. EDGE DISTANCES		
ANCHOR	CONCRETE	CMU
3/16" TAPCON	2 1/8"	2 3/8"
1/4" TAPCON	2 1/8"	3 1/2"

\*MIN. EDGE DISTANCES FOR INSTALLATION OF STATIONARY DOORS ONLY

100 FOURTH AVE NORTH  
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**TITLE: A-SERIES HINGED PATIO DOOR-OUTSWING WITH STORMWATCH PROTECTION (IMPACT) ELEVATION & ANCHOR LAYOUT**

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ANCHOR SCHEDULE - FOR 1/4" MAX. SHIM									
SIZE (IN.)	CONFIGURATION	HEAD				JAMBS			
		MAX. FROM CORNER (IN.)	ANCHOR QUANTITY	MAX. DISTANCE FROM SILL (IN.)	MAX. SPACING O.C. (IN.)	MIN. ANCHOR QUANTITY AT HINGE JAMBS	MIN. ANCHOR QUANTITY AT LOCK JAMBS	MIN. METAL/ CONCRETE/MASONRY ANCHOR QUANTITY AT STATIONARY JAMBS	MIN. WOOD ANCHOR QUANTITY AT STATIONARY JAMBS
38.125 X 119.50	X OR O	9.625	2	8.0	26	10	18	6	7
38.125 X 95.50	X OR O	9.625	2	8.0	26	8	14	5	6
38.125 X 82.38	X OR O	9.625	2	8.0	33	6	13	4	5

ANCHOR SCHEDULE - FOR 3/8" MAX. SHIM									
SIZE (IN.)	CONFIGURATION	HEAD				JAMBS			
		MAX. FROM CORNER (IN.)	ANCHOR QUANTITY	MAX. DISTANCE FROM SILL (IN.)	MAX. SPACING O.C. (IN.)	MIN. ANCHOR QUANTITY AT HINGE JAMBS	MIN. ANCHOR QUANTITY AT LOCK JAMBS	MIN. CONCRETE/ MASONRY ANCHOR QUANTITY AT STATIONARY JAMBS	MIN. WOOD/ METAL ANCHOR QUANTITY AT STATIONARY JAMBS
38.125 X 119.50	X OR O	9.625	2	8.0	26	10	18	6	8
38.125 X 95.50	X OR O	9.625	2	8.0	26	8	14	5	7
38.125 X 82.38	X OR O	9.625	2	8.0	33	6	13	4	6

- NOTE:
- 1) ANCHOR SCHEDULE REFLECTS MINIMUM NUMBER OF ANCHORS REQUIRED, TOTAL QUANTITY MAY VARY DEPENDING ON LEGEND REQUIREMENTS.
  - 2) HINGE REQUIREMENTS - DOORS GREATER THAN 8' IN HEIGHT SHALL UTILIZE 5 HINGES, DOORS GREATER THAN 6'-10 3/8" IN HEIGHT SHALL UTILIZE 4 HINGES, AND DOORS EQUAL TO OR LESS THAN 6'-10 3/8" SHALL UTILIZE 3 HINGES.
  - 3) RECEIVER REQUIREMENTS - ALL DOORS UTILIZE CENTER RECEIVER BASKET, DOORS GREATER THAN 8' TALL SHALL UTILIZE 3 END RECEIVERS, DOORS EQUAL TO OR LESS THAN 8' TALL SHALL UTILIZE 2 END RECEIVERS (TOP & BOTTOM)

DATE: **08.03.12**

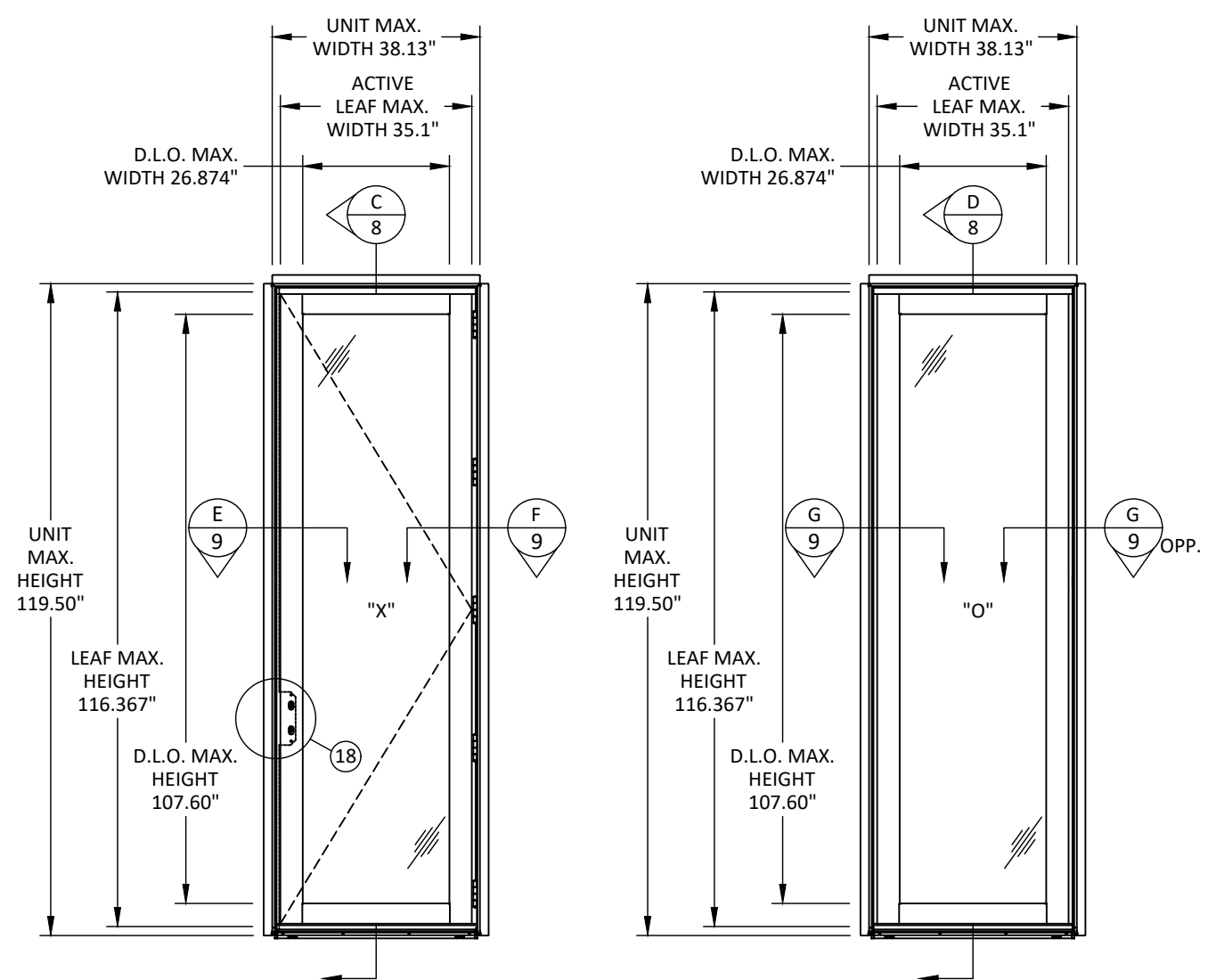
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SCALE: **NTS**

DWG. #: **AWD062**

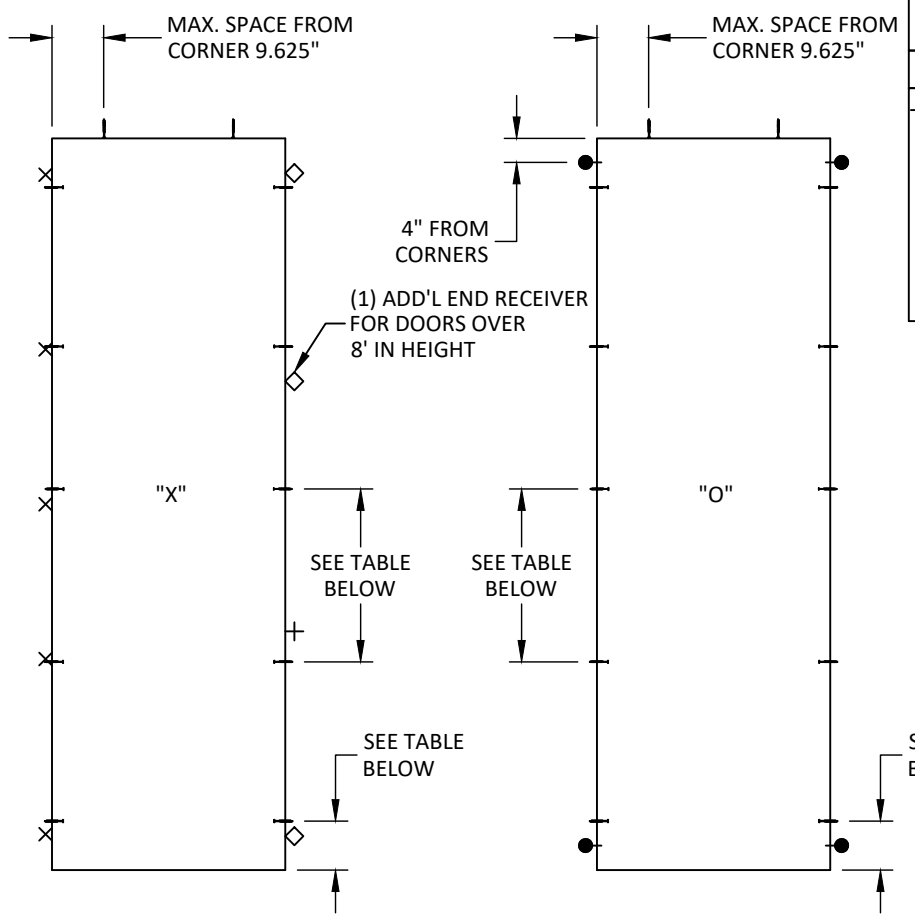
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**ELEVATION  
CONTEMPORARY**

**ELEVATION  
CONTEMPORARY**



**ANCHOR LAYOUT  
OPERABLE**

**ANCHOR LAYOUT  
STATIONARY**

**ACTIVE DOOR LEGEND (X)**

- × = TWO (2) ANCHORS THRU HINGE PLATE
- ◇ = ANCHORS THRU END RECEIVER  
-WOOD OR METAL: THREE (3)  
-CONCRETE/MASONRY: TWO (2)
- + = ANCHORS THRU CENTER RECEIVER  
- WOOD OR STEEL: FOUR (4)  
-CONCRETE/MASONRY: TWO (2)

**STATIONARY DOOR LEGEND (O)**

- = ADDITIONAL FIELD DRILLED 3/16" ITW TAPCON ANCHOR FOR DOORS EQUAL TO AND LESS THAN 10' IN HEIGHT, APPLIES TO INSTALLATION INTO CONCRETE/MASONRY SUBSTRATES WHEN UTILIZING 3/16" ITW TAPCONS ONLY. ADDITIONAL FASTENERS NOT REQUIRED WHEN 1/4" ITW TAPCONS ARE UTILIZED.

*MIN. EDGE DISTANCES		
ANCHOR	CONCRETE	CMU
3/16" TAPCON	2 1/8"	2 3/8"
1/4" TAPCON	2 1/8"	3 1/2"

\*MIN. EDGE DISTANCES FOR INSTALLATION OF STATIONARY DOORS ONLY

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ANCHOR SCHEDULE - FOR 1/4" MAX. SHIM									
SIZE (IN.)	CONFIGURATION	HEAD				JAMBS			
		MAX. FROM CORNER (IN.)	ANCHOR QUANTITY	MAX. DISTANCE FROM SILL (IN.)	MAX. SPACING O.C. (IN.)	MIN. ANCHOR QUANTITY AT HINGE JAMBS	MIN. ANCHOR QUANTITY AT LOCK JAMBS	MIN. METAL/ CONCRETE/MASONRY ANCHOR QUANTITY AT STATIONARY JAMBS	MIN. WOOD ANCHOR QUANTITY AT STATIONARY JAMBS
38.125 X 119.50	X OR O	9.625	2	8.0	26	10	18	6	7
38.125 X 95.50	X OR O	9.625	2	8.0	26	8	14	5	6
38.125 X 82.38	X OR O	9.625	2	8.0	33	6	13	4	5

ANCHOR SCHEDULE - FOR 3/8" MAX. SHIM									
SIZE (IN.)	CONFIGURATION	HEAD				JAMBS			
		MAX. FROM CORNER (IN.)	ANCHOR QUANTITY	MAX. DISTANCE FROM SILL (IN.)	MAX. SPACING O.C. (IN.)	MIN. ANCHOR QUANTITY AT HINGE JAMBS	MIN. ANCHOR QUANTITY AT LOCK JAMBS	MIN. CONCRETE/ MASONRY ANCHOR QUANTITY AT STATIONARY JAMBS	MIN. WOOD/ METAL ANCHOR QUANTITY AT STATIONARY JAMBS
38.125 X 119.50	X OR O	9.625	2	8.0	26	10	18	6	8
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- NOTE:**
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  - 2) HINGE REQUIREMENTS - DOORS GREATER THAN 8' IN HEIGHT SHALL UTILIZE 5 HINGES, DOORS GREATER THAN 6'-10 3/8" IN HEIGHT SHALL UTILIZE 4 HINGES, AND DOORS EQUAL TO OR LESS THAN 6'-10 3/8" SHALL UTILIZE 3 HINGES.
  - 3) RECEIVER REQUIREMENTS - ALL DOORS UTILIZE CENTER RECEIVER BASKET, DOORS GREATER THAN 8' TALL SHALL UTILIZE 3 END RECEIVERS, DOORS EQUAL TO OR LESS THAN 8' TALL SHALL UTILIZE 2 END RECEIVERS (TOP & BOTTOM)

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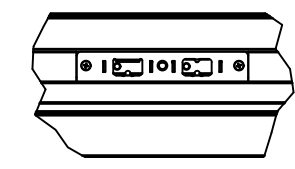
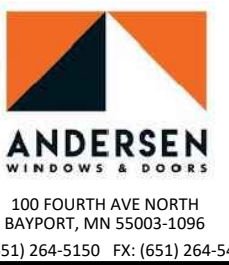
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SCALE: **NTS**

DWG. #: **AWD062**

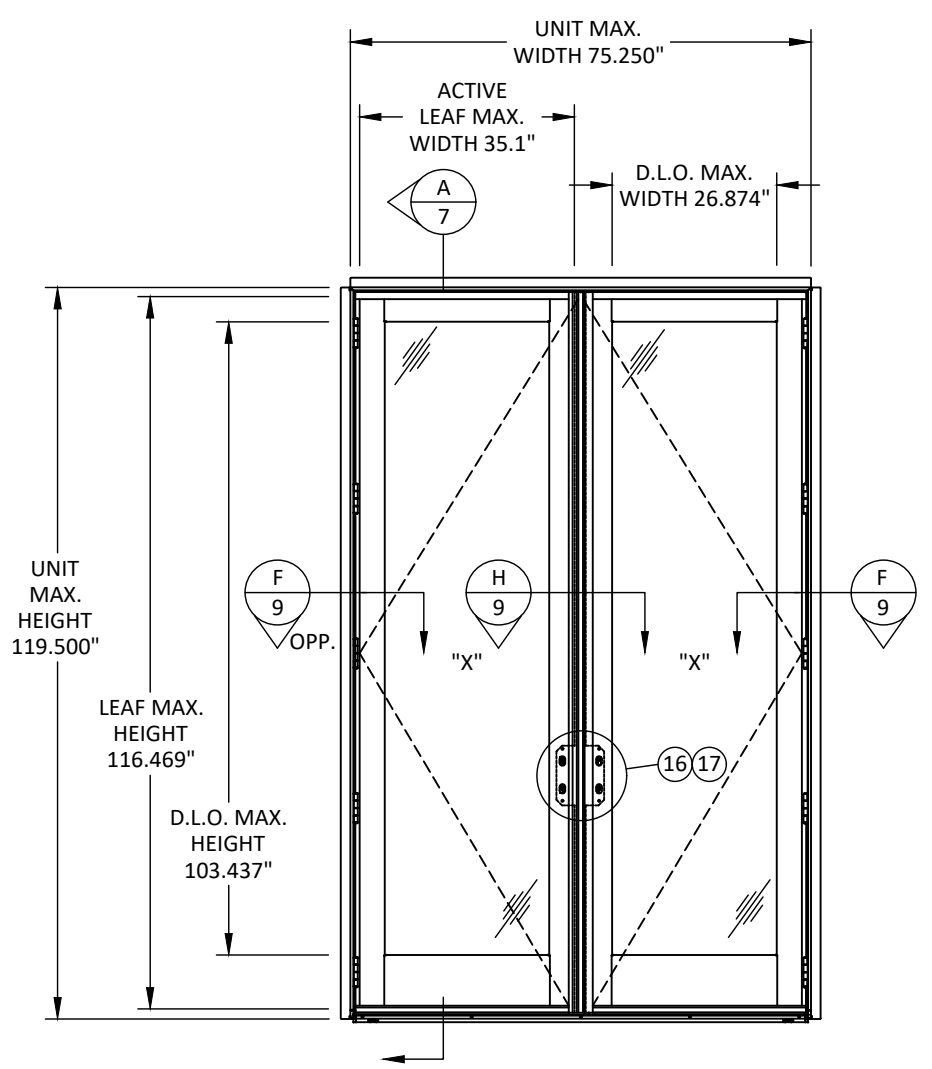
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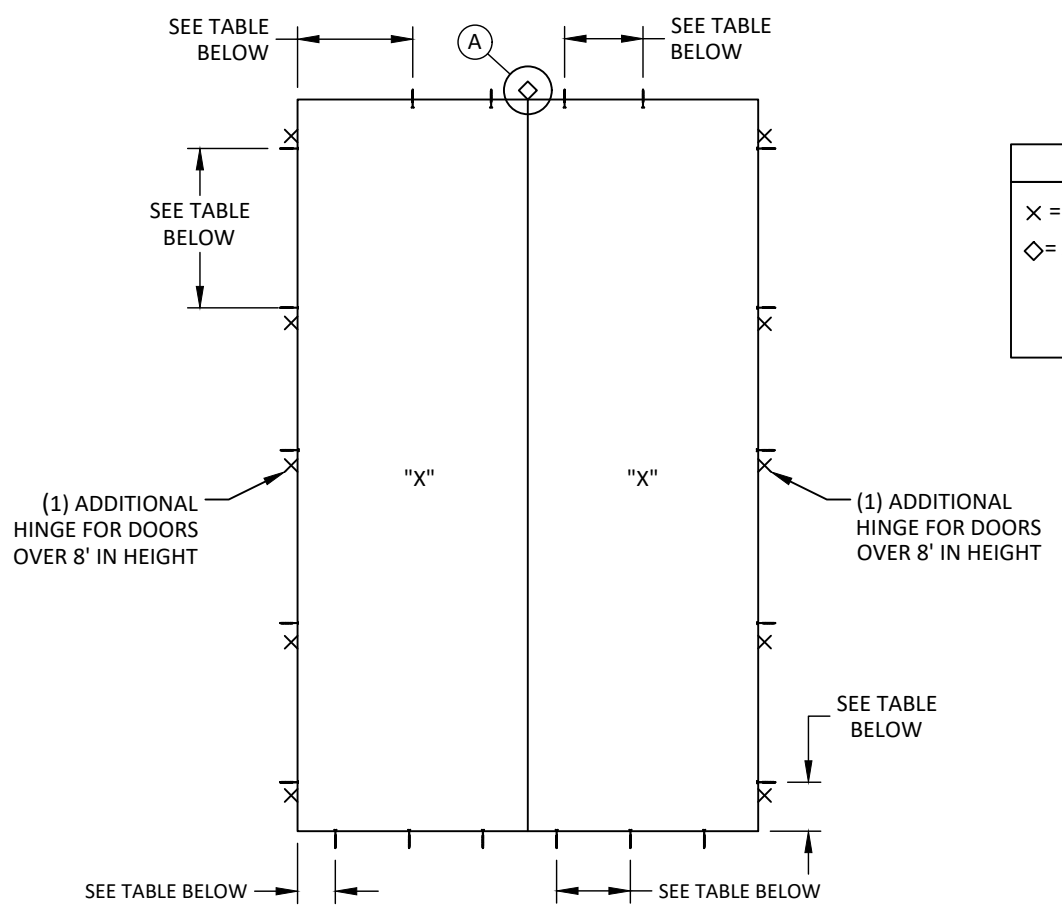


**DETAIL A**  
HEAD JAMB RECEIVER  
SEE LEGEND BELOW FOR QTY

DOOR LEGEND (XX)	
X	= TWO (2) ANCHORS THRU HINGE PLATE
◇	= ANCHORS THRU HEAD RECEIVER SEE DETAIL 'A' ABOVE
	- WOOD OR METAL: FIVE (5)
	- CONCRETE/MASONRY: FOUR (4)



**ELEVATION  
TRADITIONAL**



**ANCHOR LAYOUT**

ANCHOR SCHEDULE - FOR 1/4" MAX. SHIM												
SIZE (IN.)	CONFIGURATION	HEAD				JAMBS				SILL		
		MAX. FROM CORNER (IN.)	MAX. WOOD/METAL SPACING O.C. (IN.)	WOOD/METAL ANCHOR QUANTITY	MAX. CONCRETE/MASONRY SPACING O.C. (IN.)	CONCRETE/MASONRY ANCHOR QUANTITY	MAX. DISTANCE FROM SILL (IN.)	MAX. SPACING O.C. (IN.)	MIN. ANCHOR QUANTITY AT HINGE JAMBS	MAX. FROM CORNER (IN.)	MAX. SPACING O.C. (IN.)	ANCHOR QUANTITY
75.25 X 119.50	XX	17.75	MIDSPAN	8	MIDSPAN	7	8.0	26	10	6.0	12.7	6
75.25 X 95.50	XX	17.75	MIDSPAN	8	MIDSPAN	7	8.0	26	8	6.0	12.7	6
75.25 X 82.38	XX	17.75	MIDSPAN	8	MIDSPAN	7	8.0	33	6	6.0	12.7	6

ANCHOR SCHEDULE - FOR 3/8" MAX. SHIM												
SIZE (IN.)	CONFIGURATION	HEAD				JAMBS				SILL		
		MAX. FROM CORNER (IN.)	MAX. WOOD/METAL SPACING O.C. (IN.)	WOOD/METAL ANCHOR QUANTITY	MAX. CONCRETE/MASONRY SPACING O.C. (IN.)	CONCRETE/MASONRY ANCHOR QUANTITY	MAX. DISTANCE FROM SILL (IN.)	MAX. SPACING O.C. (IN.)	MIN. ANCHOR QUANTITY AT HINGE JAMBS	MAX. FROM CORNER (IN.)	MAX. SPACING O.C. (IN.)	ANCHOR QUANTITY
75.25 X 119.50	XX	17.75	MIDSPAN	8	13.25	8	8.0	26	10	6.0	12.7	6
75.25 X 95.50	XX	17.75	MIDSPAN	8	13.25	8	8.0	26	8	6.0	12.7	6
75.25 X 82.38	XX	17.75	MIDSPAN	8	13.25	8	8.0	33	6	6.0	12.7	6

- NOTE:
- 1) FOR SILL ANCHORAGE SEE LEGEND LEFT.
  - 2) ANCHOR SCHEDULE REFLECTS MINIMUM NUMBER OF ANCHORS REQUIRED, TOTAL QUANTITY MAY VARY DEPENDING ON LEGEND REQUIREMENTS.
  - 3) HINGE REQUIREMENTS - DOORS GREATER THAN 8' IN HEIGHT SHALL UTILIZE 5 HINGES, DOORS GREATER THAN 6'-10 3/8" IN HEIGHT SHALL UTILIZE 4 HINGES, AND DOORS EQUAL TO OR LESS THAN 6'-10 3/8" SHALL UTILIZE 3 HINGES.

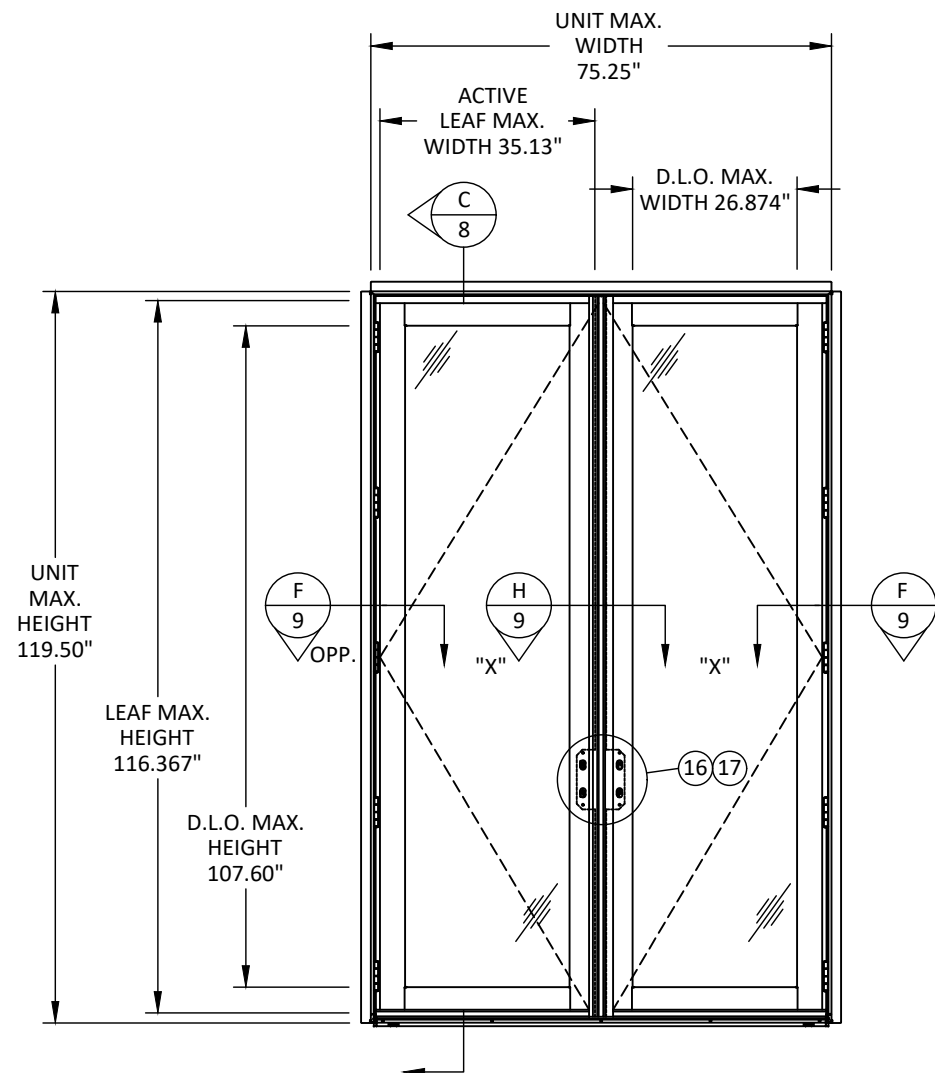


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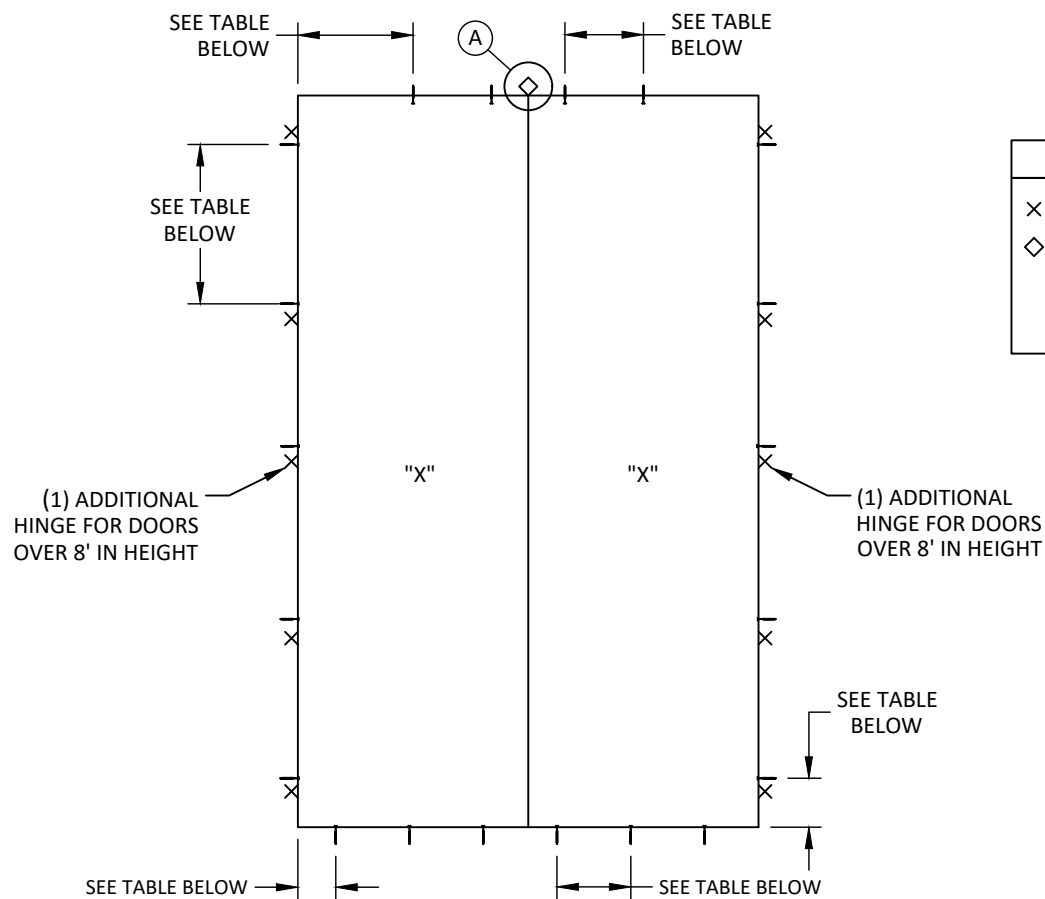
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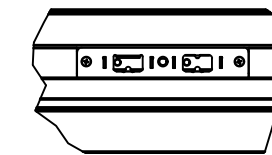
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**ELEVATION  
CONTEMPORARY**



**ANCHOR LAYOUT**



**DETAIL A  
HEAD JAMB RECEIVER  
SEE LEGEND BELOW FOR QTY**

DOOR LEGEND (XX)	
X	= TWO (2) ANCHORS THRU HINGE PLATE
◇	= ANCHORS THRU HEAD RECEIVER SEE DETAIL 'A' ABOVE
	- WOOD OR METAL: FIVE (5)
	- CONCRETE/MASONRY: FOUR (4)

ANCHOR SCHEDULE - FOR 1/4" MAX. SHIM												
SIZE (IN.)	CONFIGURATION	HEAD					JAMBS			SILL		
		MAX. FROM CORNER (IN.)	MAX. WOOD/METAL SPACING O.C. (IN.)	WOOD/METAL ANCHOR QUANTITY	MAX. CONCRETE/MASONRY SPACING O.C. (IN.)	CONCRETE/MASONRY ANCHOR QUANTITY	MAX. DISTANCE FROM SILL (IN.)	MAX. SPACING O.C. (IN.)	MIN. ANCHOR QUANTITY AT HINGE JAMBS	MAX. FROM CORNER (IN.)	MAX. SPACING O.C. (IN.)	ANCHOR QUANTITY
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75.25 X 82.38	XX	17.75	MIDSPAN	8	MIDSPAN	7	8.0	33	6	6.0	12.7	6

ANCHOR SCHEDULE - FOR 3/8" MAX. SHIM												
SIZE (IN.)	CONFIGURATION	HEAD					JAMBS			SILL		
		MAX. FROM CORNER (IN.)	MAX. WOOD/METAL SPACING O.C. (IN.)	WOOD/METAL ANCHOR QUANTITY	MAX. CONCRETE/MASONRY SPACING O.C. (IN.)	CONCRETE/MASONRY ANCHOR QUANTITY	MAX. DISTANCE FROM SILL (IN.)	MAX. SPACING O.C. (IN.)	MIN. ANCHOR QUANTITY AT HINGE JAMBS	MAX. FROM CORNER (IN.)	MAX. SPACING O.C. (IN.)	ANCHOR QUANTITY
75.25 X 119.50	XX	17.75	MIDSPAN	8	13.25	8	8.0	26	10	6.0	12.7	6
75.25 X 95.50	XX	17.75	MIDSPAN	8	13.25	8	8.0	26	8	6.0	12.7	6
75.25 X 82.38	XX	17.75	MIDSPAN	8	13.25	8	8.0	33	6	6.0	12.7	6

- NOTE:**
- 1) FOR SILL ANCHORAGE SEE LEGEND LEFT.
  - 2) ANCHOR SCHEDULE REFLECTS MINIMUM NUMBER OF ANCHORS REQUIRED, TOTAL QUANTITY MAY VARY DEPENDING ON LEGEND REQUIREMENTS.
  - 3) HINGE REQUIREMENTS - DOORS GREATER THAN 8' IN HEIGHT SHALL UTILIZE 5 HINGES, DOORS GREATER THAN 6'-10 3/8" IN HEIGHT SHALL UTILIZE 4 HINGES, AND DOORS EQUAL TO OR LESS THAN 6'-10 3/8" SHALL UTILIZE 3 HINGES.



100 FOURTH AVE NORTH  
BAYPORT, MN 55003-1096  
PH: (651) 264-5150 FX: (651) 264-5485

**TITLE: A-SERIES HINGED  
PATIO DOOR-OUTSWING  
WITH STORMWATCH PROTECTION  
(IMPACT)**

**ELEVATION & ANCHOR LAYOUT**

**PREPARED BY:**

**BUILDING DROPS, INC.**  
398 E. DANIA BEACH BLVD., STE. 338  
DANIA BEACH, FL 33004  
PH: (954) 359-8478  
FAX: (954) 744-4738  
WEB: www.buildingdrops.com



REMARKS	BY	DATE
GLAZING DETAILS UPD.	MS	4.30.14
CONTEMPORARY UPD.	SH	2.21.23

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TEXAS P.E. No. 118471  
BUILDING DROPS, INC  
398 E. DANIA BEACH BLVD. # 338  
DANIA BEACH, FL 33004  
TBPE FIRM No. 13734

DATE: **08.03.12**

DWG. BY: **MSS**      CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **AWD062**

SHEET:

**5**

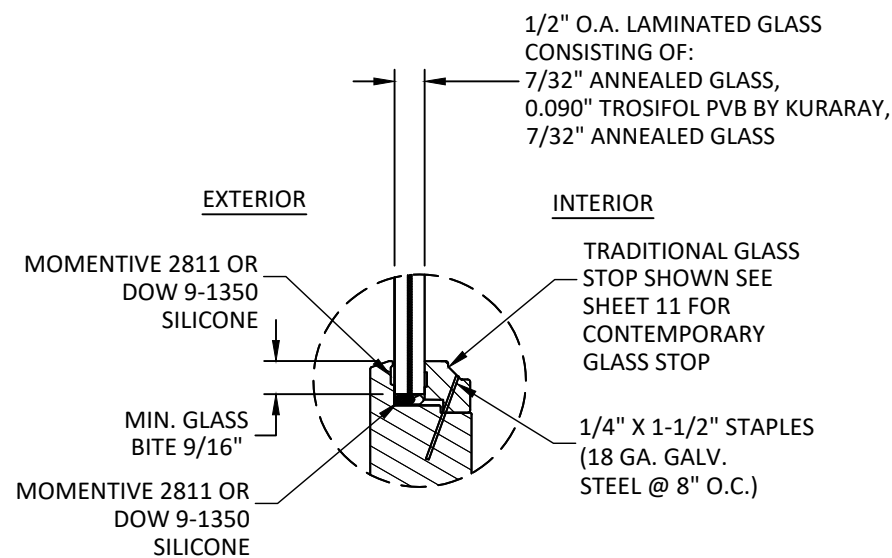
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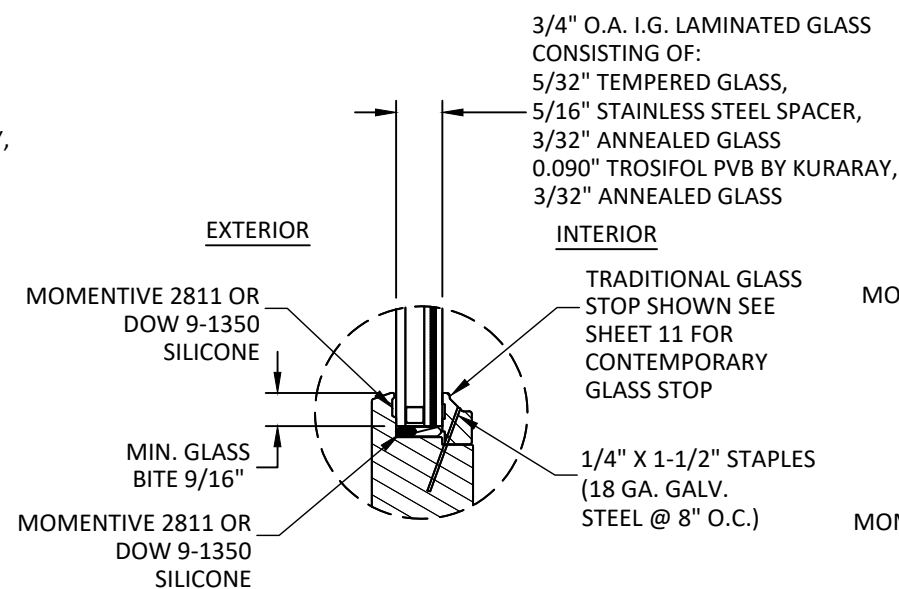
A-SERIES OUTSWING DOOR UNITS WITH DROP-NOSE SILL								
CONFIGURATION	HEIGHT (IN.)	WIDTH (IN.)	DESIGN PRESSURE (PSF)					
			G1		G2		G3	
			POS.	NEG.	POS.	NEG.	POS.	NEG.
XX	82.38	75.25	65.0	80.0	65.0	80.0	-	-
XX	95.50	75.25	65.0	70.0	-	-	65.0	70.0
XX	119.50	75.250	55.0	55.0	-	-	55.0	55.0
X or O	82.38	38.125	65.0	80.0	65.0	80.0	-	-
X	95.50	38.125	65.0	70.0	-	-	65.0	70.0
O	95.50	38.125	65.0	80.0	-	-	65.0	80.0
X or O	119.50	38.125	65.0	70.0	-	-	65.0	70.0

A-SERIES OUTSWING DOOR UNITS WITHOUT DROP-NOSE SILL								
CONFIGURATION	HEIGHT (IN.)	WIDTH (IN.)	DESIGN PRESSURE (PSF)					
			G1		G2		G3	
			POS.	NEG.	POS.	NEG.	POS.	NEG.
XX	82.38	75.25	45.0	80.0	45.0	80.0	-	-
XX	95.50	75.25	45.0	70.0	-	-	45.0	70.0
XX	119.50	75.25	45.0	55.0	-	-	45.0	55.0
X or O	82.38	38.125	45.0	80.0	45.0	80.0	-	-
X	95.50	38.125	45.0	70.0	-	-	45.0	70.0
O	95.50	38.125	45.0	80.0	-	-	45.0	80.0
X or O	119.50	38.125	45.0	70.0	-	-	45.0	70.0

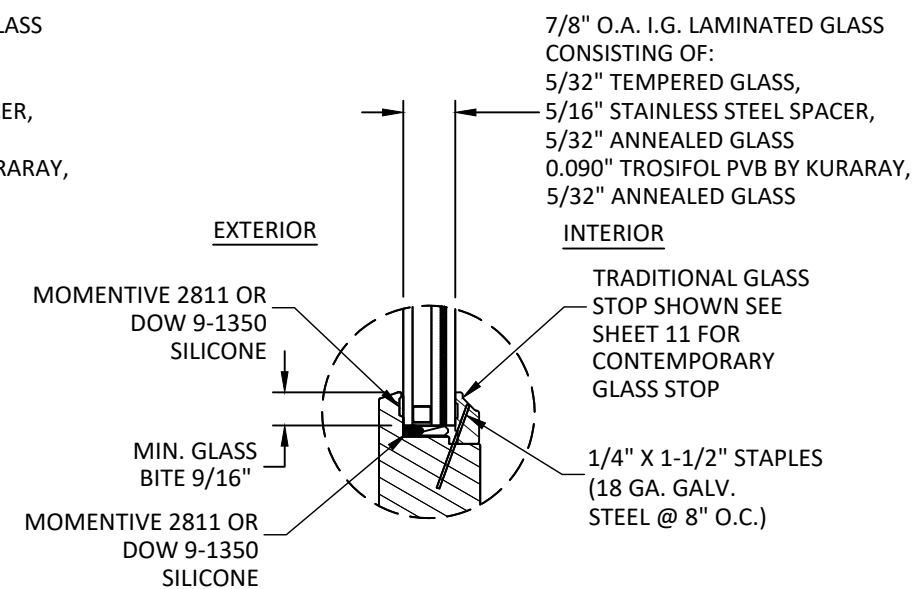
NOTE: ALL PRESSURES MEET WATER INFILTRATION REQUIREMENTS



**GLAZING DETAIL 1**



**GLAZING DETAIL 2**



**GLAZING DETAIL 3**

- GLAZING NOTES:
1. GLAZING COMPLIES WITH ASTM E1300 AND IBC SAFETY GLAZING REQUIREMENTS.
  2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN CHAPTER 24.
  3. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER CHAPTER 24.
  4. D.L.O. MAY NOT EXCEED MAX DIMENSIONS SHOWN ON ELEVATIONS.



100 FOURTH AVE NORTH  
BAYPORT, MN 55003-1096  
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: A-SERIES HINGED PATIO DOOR-OUTSWING WITH STORMWATCH PROTECTION (IMPACT)

DP TABLES & GLAZING DETAILS

PREPARED BY: BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD., STE. 338  
DANIA BEACH, FL 33004  
PH: (954) 399-8478  
FAX: (954) 744-4738  
WEB: www.buildingdrops.com



REMARKS	BY	DATE
GLAZING DETAILS UPD.	MS	4.30.14
CONTEMPORARY UPD.	SH	2.21.23

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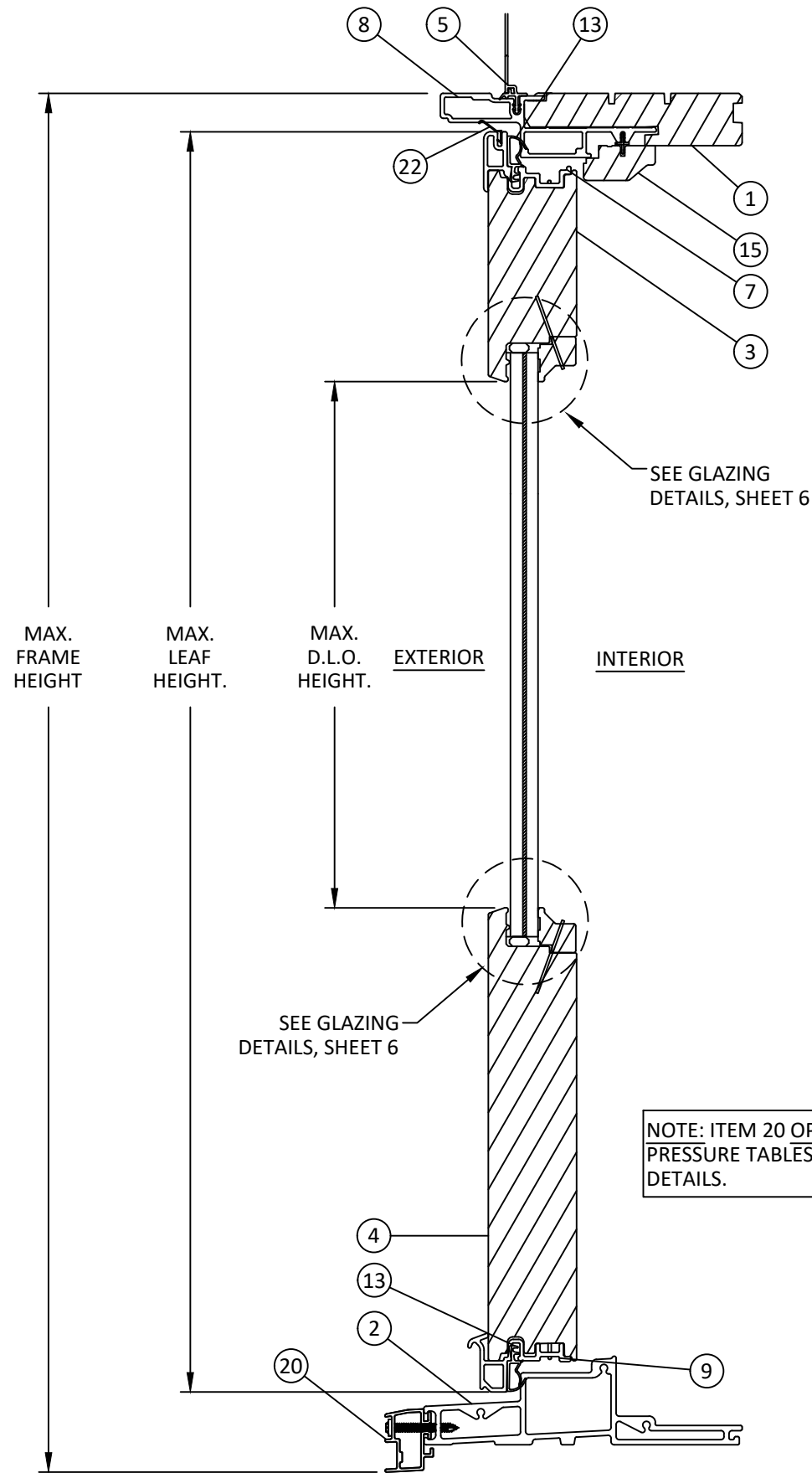


HERMES F. NORERO, P.E.  
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398 E. DANIA BEACH BLVD. # 338  
DANIA BEACH, FL 33004  
TBPE FIRM No. 13734

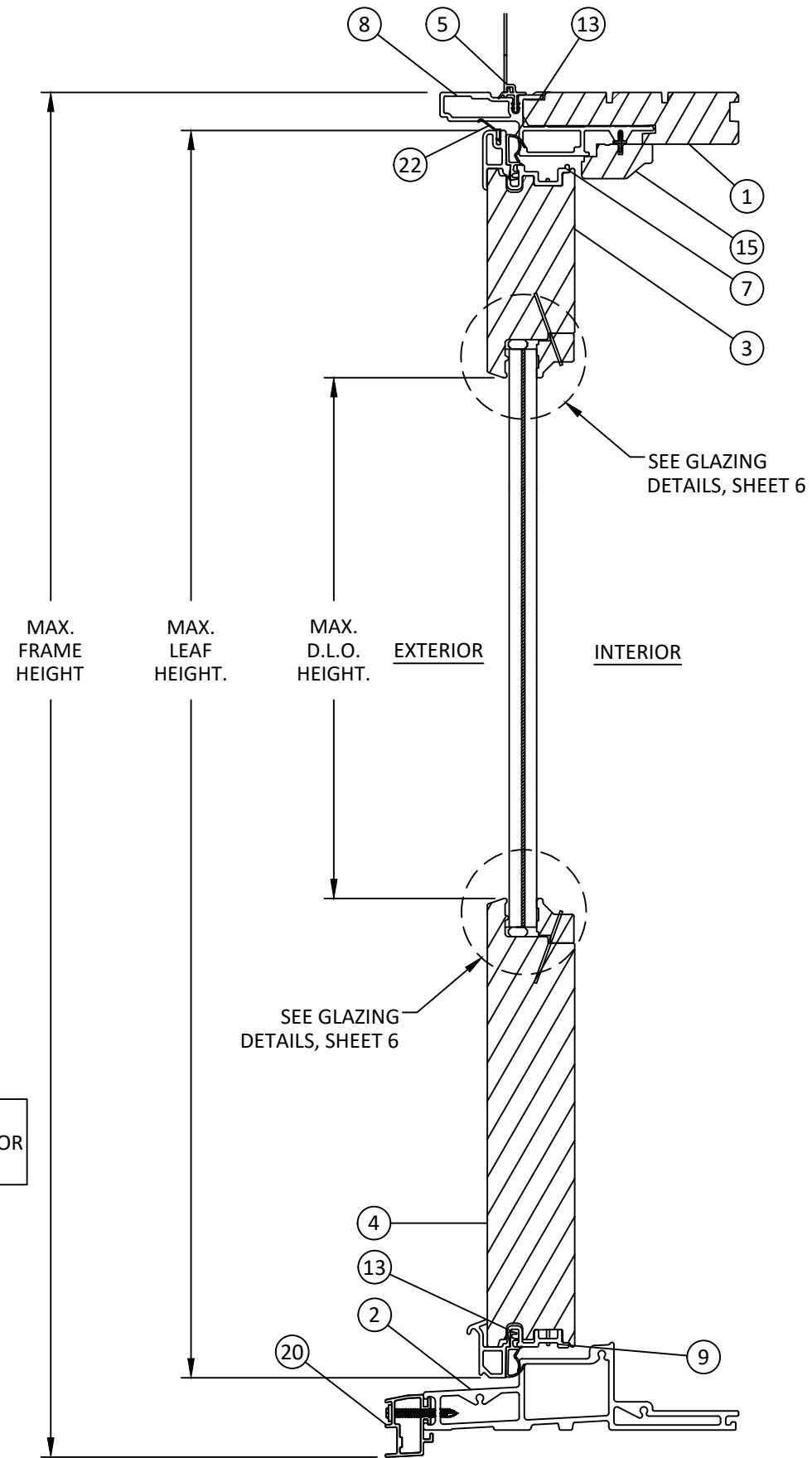
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DWG. BY:	MSS	CHK. BY: HFN
SCALE:	NTS	
DWG. #:	AWD062	

SHEET: 6

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**A**  
**7** VERTICAL SECTION  
TRADITIONAL - ACTIVE DOOR



**B**  
**7** VERTICAL SECTION  
TRADITIONAL - STATIONARY DOOR

NOTE: ITEM 20 OPTIONAL. SEE PRESSURE TABLES ON SHEET 6 FOR DETAILS.



100 FOURTH AVE NORTH  
BAYPORT, MN 55003-1096  
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: A-SERIES HINGED PATIO DOOR-OUTSWING WITH STORMWATCH PROTECTION (IMPACT) VERTICAL SECTIONS  
PREPARED BY: BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD., STE. 338  
DANIA BEACH, FL 33004  
PH: (954) 359-8478  
FAX: (954) 744-4738  
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REMARKS	BY	DATE
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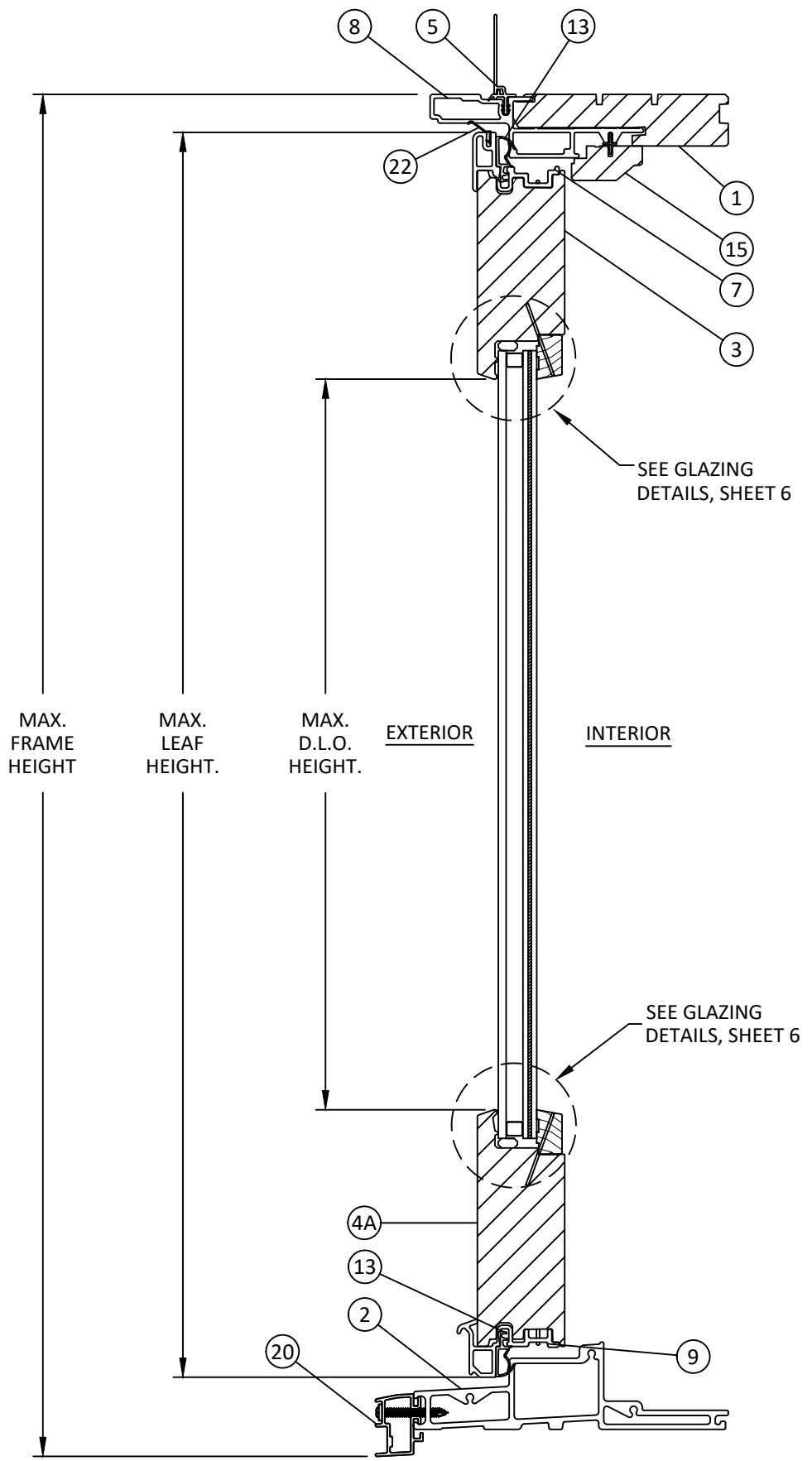
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TEXAS P.E. No. 118471  
BUILDING DROPS, INC  
398 E. DANIA BEACH BLVD. # 338  
DANIA BEACH, FL 33004  
TBPE FIRM No. 13734

DATE: 08.03.12

DWG. BY: MSS	CHK. BY: HFN
SCALE: NTS	
DWG. #: AWD062	

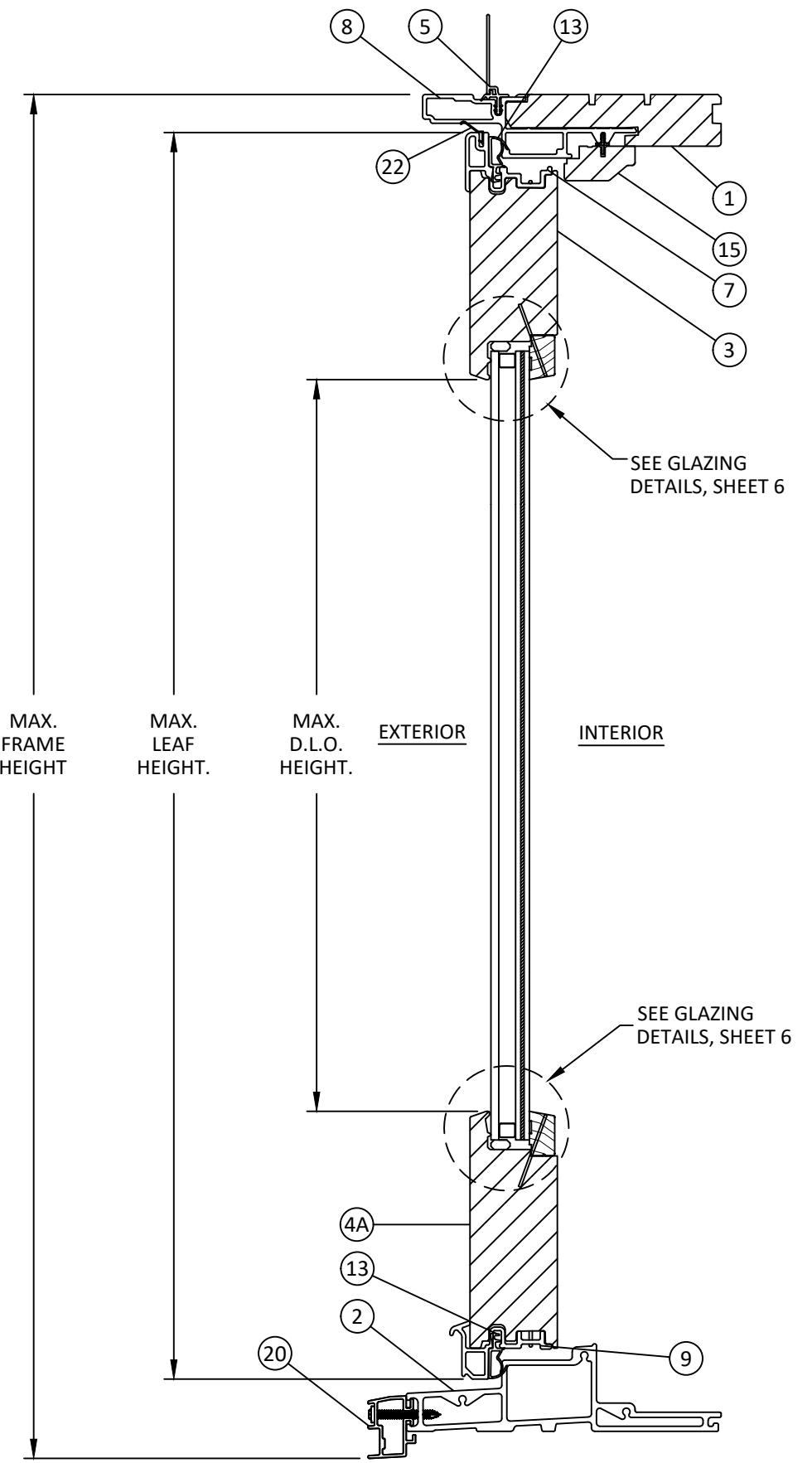
SHEET: 7 OF 12

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**C**  
**8** **VERTICAL SECTION**  
CONTEMPORARY - ACTIVE DOOR

NOTE: ITEM 20 OPTIONAL. SEE PRESSURE TABLES ON SHEET 6 FOR DETAILS.



**D**  
**8** **VERTICAL SECTION**  
CONTEMPORARY - STATIONARY DOOR



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BAYPORT, MN 55003-1096  
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: **A-SERIES HINGED PATIO DOOR-OUTSWING WITH STORMWATCH PROTECTION (IMPACT) VERTICAL SECTIONS**

PREPARED BY: **BUILDING DROPS, INC.**  
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DANIA BEACH, FL 33004  
TBPE FIRM No. 13734

DATE: **08.03.12**

DWG. BY: **MSS**      CHK. BY: **HFN**

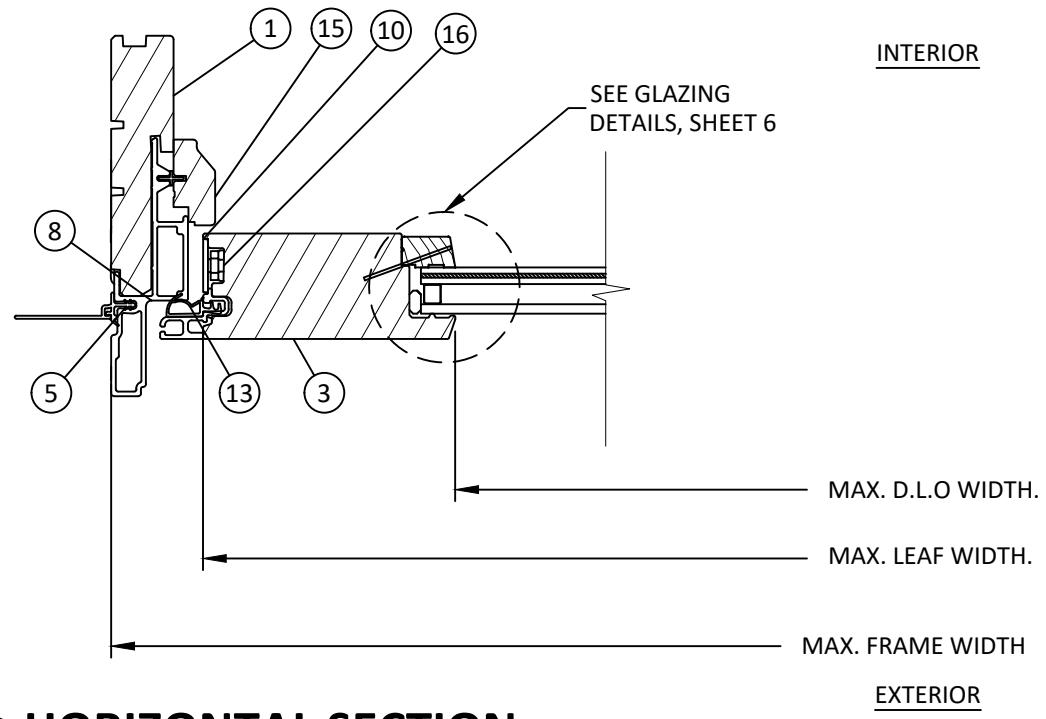
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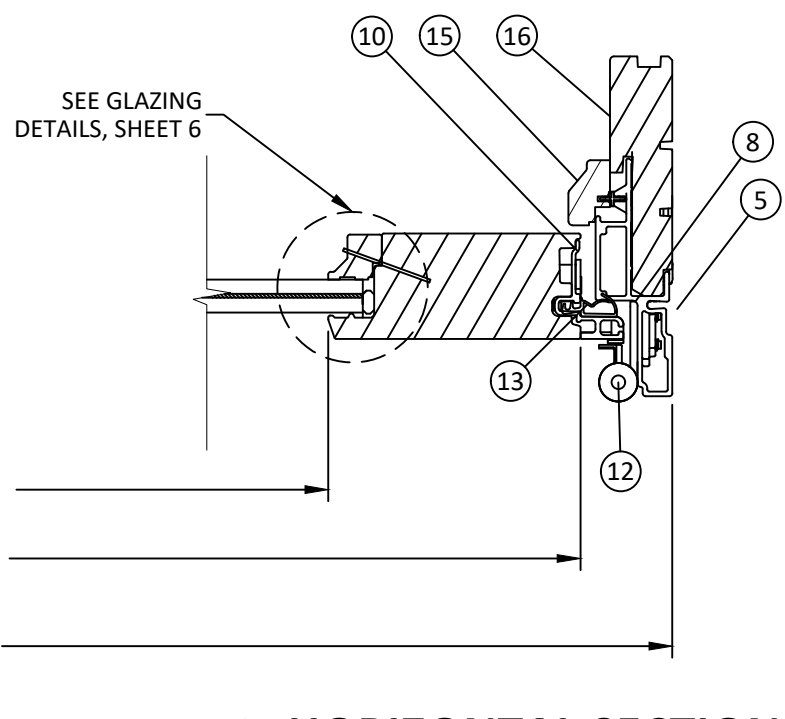
SHEET: **8**  
OF 12



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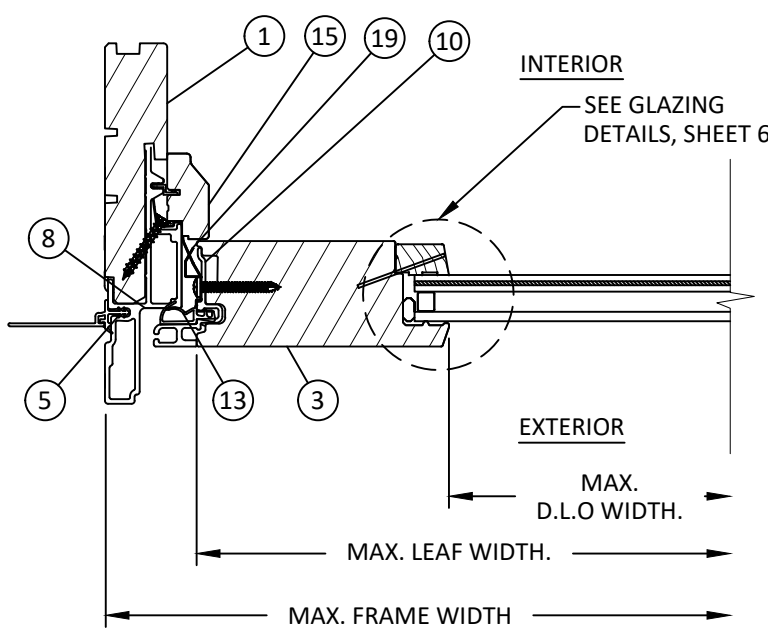


**E**  
**9** **HORIZONTAL SECTION**  
OPERABLE PANEL - LOCK JAMB

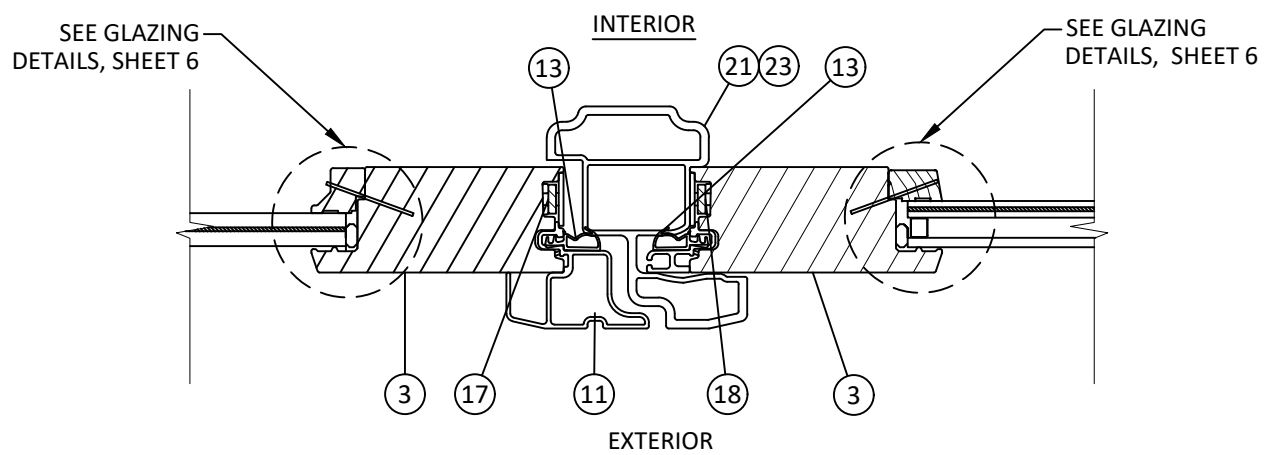


**F**  
**9** **HORIZONTAL SECTION**  
OPERABLE PANEL - HINGE JAMB

NOTE: DETAILS SHOWN ARE TYPICAL OF TRADITIONAL AND CONTEMPORARY DOORS



**G**  
**9** **HORIZONTAL SECTION**  
STATIONARY PANEL



**H**  
**9** **HORIZONTAL SECTION**  
ASTRAGAL



100 FOURTH AVE NORTH  
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TITLE: **A-SERIES HINGED PATIO DOOR-OUTSWING WITH STORMWATCH PROTECTION (IMPACT)**  
HORIZONTAL SECTIONS  
PREPARED BY: **BUILDING DROPS, INC.**  
398 E. DANIA BEACH BLVD., STE. 338  
DANIA BEACH, FL 33004  
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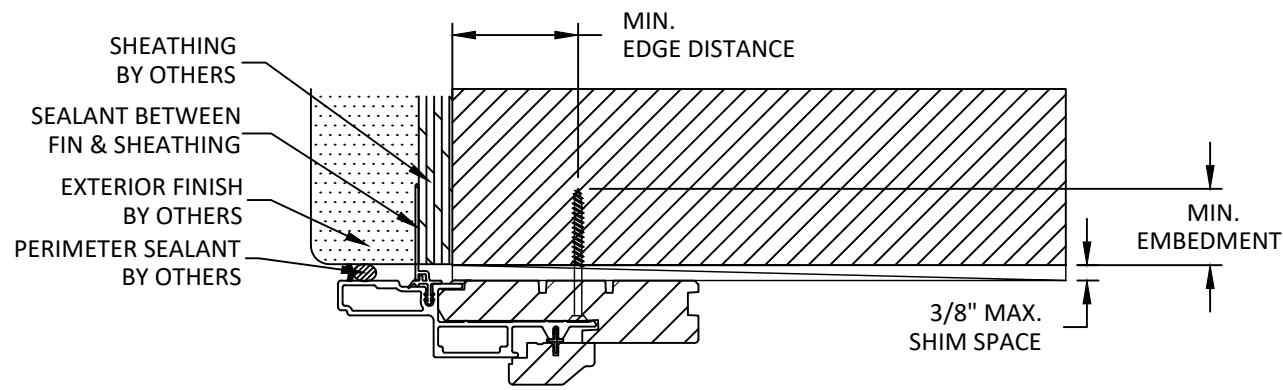
HERMES F. NORERO, P.E.  
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BUILDING DROPS, INC  
398 E. DANIA BEACH BLVD. # 338  
DANIA BEACH, FL 33004  
TBPE FIRM No. 13734

DATE: **08.03.12**

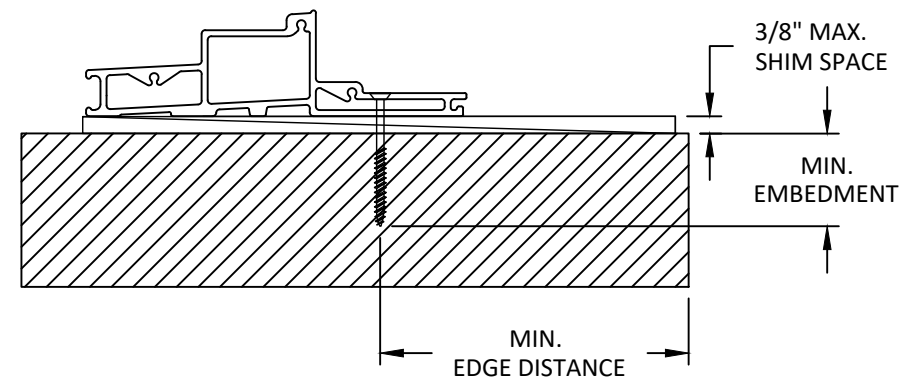
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DWG. #: <b>AWD062</b>	

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OF 12

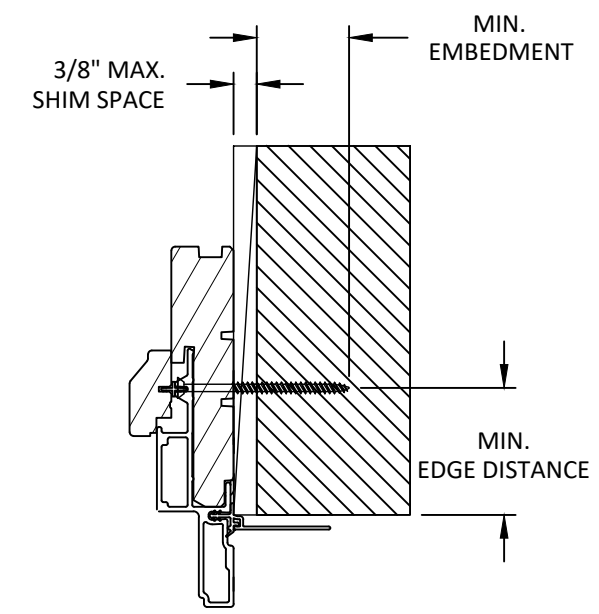
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**A**  
**10**  
**VERTICAL SECTION**  
HEAD  
THROUGH FRAME INSTALLATION



**B**  
**10**  
**VERTICAL SECTION**  
SILL  
THROUGH FRAME INSTALLATION



**C**  
**10**  
**VERTICAL SECTION**  
JAMB  
THROUGH FRAME INSTALLATION

ANCHOR SCHEDULE				
METHOD	SUBSTRATE	ANCHOR SCHEDULE	MIN EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME INSTALLATION	WOOD: MIN. SG = 0.42	#10 PAN HEAD WOOD SCREW	1.50"	0.75"
	METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI	#10 TEK SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.50"
	METAL: 1/8" ALUMINUM, MIN. (6063-T5)	#10 TEK SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.50"
	CONCRETE: f'c=3000PSI	3/16" OR 1/4" ITW TAPCON FLAT HEAD	1.75"	2.125"
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI	3/16" OR 1/4" ITW TAPCON FLAT HEAD	1.75"	MIN. 2.375" FOR 3/16" ANCHOR MIN. 2.0" FOR 1/4" ANCHOR

\*SEE SHEET 2 & 3 FOR MIN. EDGE DISTANCE ON THE STATIONARY UNITS



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ANCHOR DETAILS & SCHEDULE  
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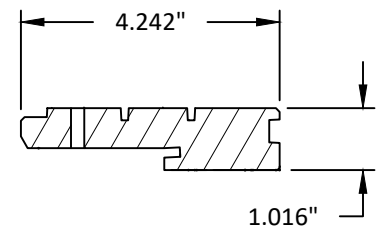
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DWG. #: **AWD062**

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OF 12

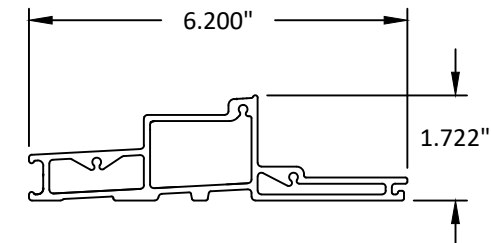
# BILL OF MATERIALS

NO.	DESCRIPTION	MATERIAL	MANUFACTURER
1	FRAME HEAD/SIDE JAMB	WOOD	ANDERSEN
2	FRAME SILL	FIBERGLASS	ANDERSEN
3	PANEL TOP RAIL & STILE	WOOD	ANDERSEN
4	TRADITIONAL BOTTOM RAIL	WOOD	ANDERSEN
4A	CONTEMPORARY BOTTOM RAIL	WOOD	ANDERSEN
5	FLANGE	PVC	ANDERSEN
6	PANEL GLAZING STOP	WOOD	ANDERSEN
6A	CONTEMPORARY GLAZING STOP	WOOD	ANDERSEN
7	PANEL TOP RAIL FILLER	FIBERGLASS	ANDERSEN
8	HEAD/SIDE FRAME CLADDING	FIBERGLASS	ANDERSEN
9	BOTTOM RAIL FILLER	FIBERGLASS	ANDERSEN
10	PANEL STILE FILLER	FIBERGLASS	ANDERSEN
11	ASTRAGAL (ACTIVE)	FIBERGLASS	ANDERSEN
12	HINGE	STEEL	ANDERSEN
13	WEATHERSTRIPPING	SANTOPRENE	ANDERSEN
14	HANDLE	-	ANDERSEN
15	PANEL STOP	WOOD	ANDERSEN
16	3 PT. LOCK SYSTEM	STEEL	ANDERSEN
17	5 PT. LOCK SYSTEM	STEEL	ANDERSEN
18	PASSIVE LOCK SYSTEM	STEEL	ANDERSEN
19	STATIONARY PANEL CLIP	STEEL	ANDERSEN
20	DROP CHANNEL	ALUMINUM 6063-T5	ANDERSEN
21	ASTRAGAL (PASSIVE)	FIBERGLASS	ANDERSEN
22	WEATHERSTRIPPING (HEAD)	PVC	ANDERSEN
23	ASTRAGAL (PASSIVE)	FIBERGLASS	ANDERSEN
24	MONO GLAZING STOP	WOOD	ANDERSEN
24A	7/8" GLAZING STOP	WOOD	ANDERSEN
24B	CONTEMPORARY 7/8" GLAZING STOP	WOOD	ANDERSEN
24C	CONTEMPORARY MONO GLAZING STOP	WOOD	ANDERSEN
25	4 PT. LOCK SYSTEM	STEEL	ANDERSEN
26	6 PT. LOCK SYSTEM	STEEL	ANDERSEN
27	PASSIVE LOCK SYSTEM	STEEL	ANDERSEN

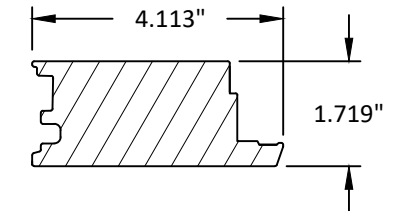
1 FRAME HEAD/SIDE JAMB  
WOOD



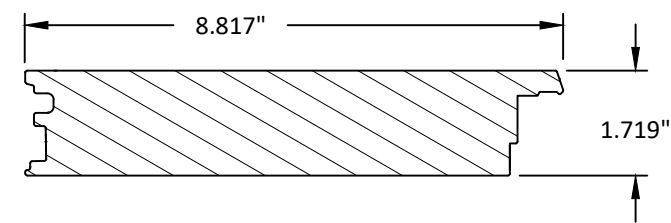
2 4-9/16" FRAME SILL  
FIBERGLASS  
TYP. WALL THICKNESS 0.090"



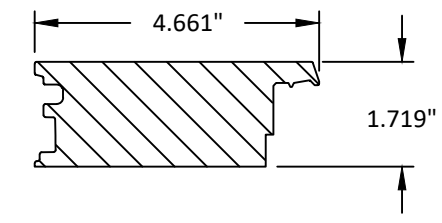
3 PANEL TOP RAIL & STILE  
WOOD



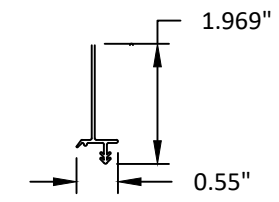
4 TRADITIONAL PANEL BOTTOM RAIL  
WOOD



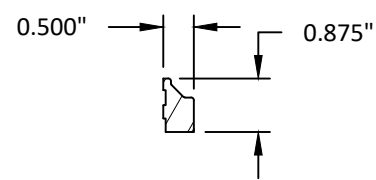
4A CONTEMPORARY PANEL BOTTOM RAIL  
WOOD



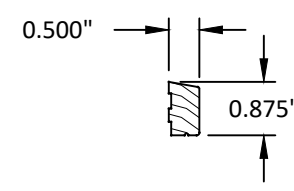
5 FLANGE  
PVC  
TYP. WALL THICKNESS 0.05"



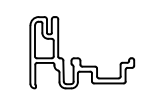
6 TRADITIONAL GLAZING STOP  
WOOD



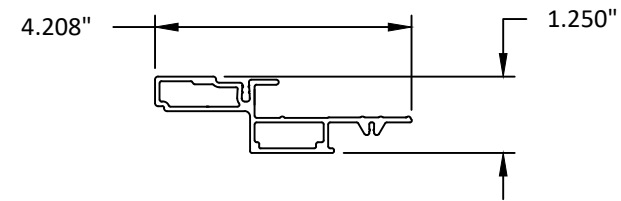
6A CONTEMPORARY GLAZING STOP  
WOOD



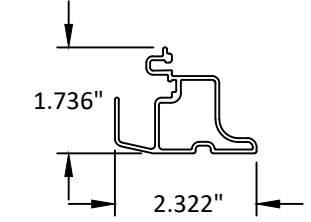
7 TOP RAIL FILLER  
FIBERGLASS



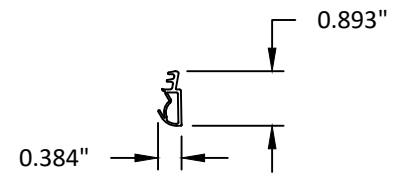
8 4-9/16" HEAD/SIDE FRAME CLADDING  
FIBERGLASS  
TYP. WALL THICKNESS 0.082"



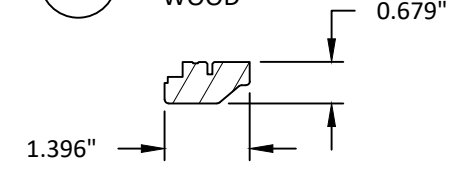
11 ASTRAGAL (ACTIVE)  
FIBERGLASS



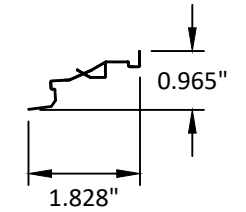
13 WEATHERSTRIPPING  
SANTOPRENE (DUROMETER: 70)  
TYP. WALL THICKNESS 0.047"



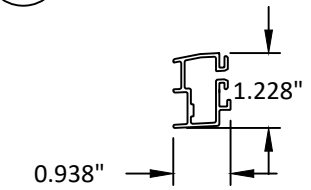
15 PANEL STOP  
WOOD



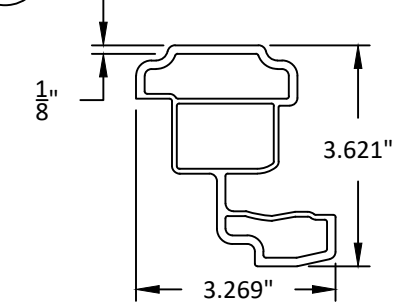
19 STATIONARY PANEL CLIP  
STEEL  
TYP. WALL THICKNESS 0.015"



20 DROP CHANNEL  
ALUMINUM 6063-T5



21 ASTRAGAL (PASSIVE)  
FIBERGLASS



100 FOURTH AVE NORTH  
BAYPORT, MN 55003-1096  
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: A-SERIES HINGED  
PATIO DOOR-OUTSWING  
WITH STORMWATCH PROTECTION  
(IMPACT)  
COMPONENTS & BOM

PREPARED BY:  
BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD., STE. 338  
DANIA BEACH, FL 33004  
PH: (954) 359-8478  
FAX: (954) 744-4738  
WEB: www.buildingdrops.com

REMARKS	BY	DATE
GLAZING DETAILS UPD.	MS	4.30.14
CONTEMPORARY UPD.	SH	2.21.23

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



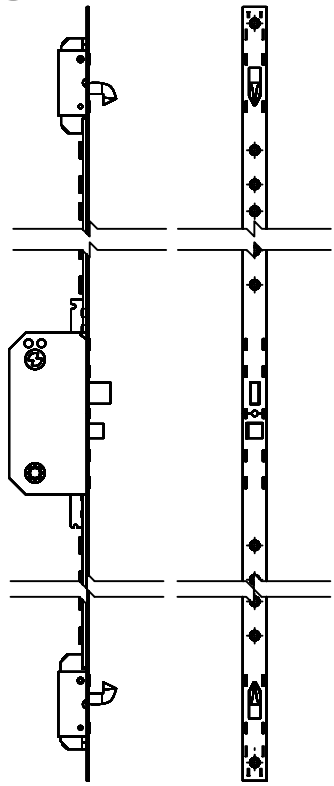
HERMES F. NORERO, P.E.  
TEXAS P.E. No. 118471  
BUILDING DROPS, INC  
398 E. DANIA BEACH BLVD. # 338  
DANIA BEACH, FL 33004  
TBPE FIRM No. 13734

DATE:	08.03.12
DWG. BY:	MSS
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD062

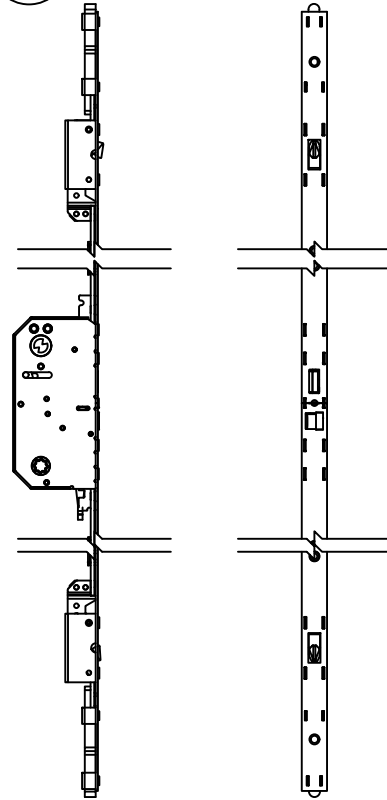
SHEET:  
11  
OF 12

6/9/2023 9:47 AM  
s:\projects\andersen windows\lfdi-23-0130 - a-series hinged patio outswing door - stormwatch protection.dwg\awd062.dwg

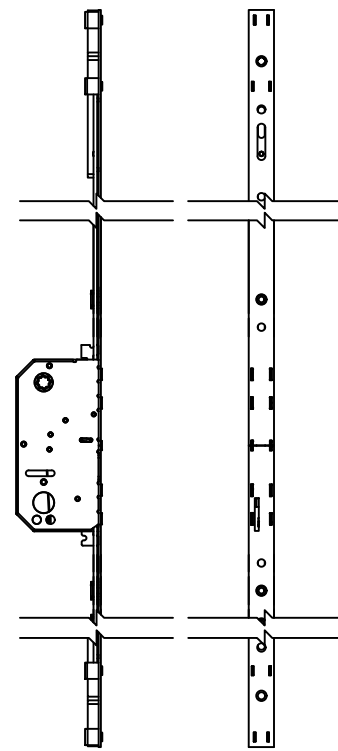
16 ACTIVE SINGLE DOOR (8' OR LESS)  
3 PT. LOCK SYSTEM  
STEEL



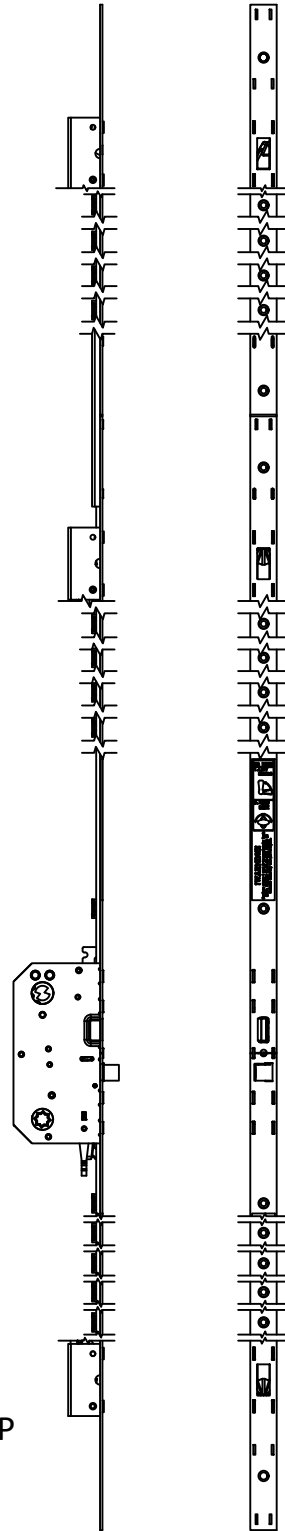
17 ACTIVE DOUBLE DOOR (8' OR LESS)  
5 PT. LOCK SYSTEM  
STEEL



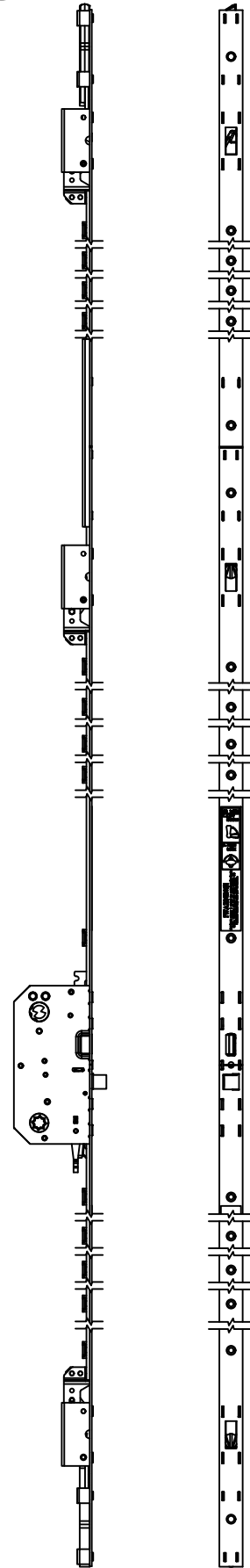
18 PASSIVE DOUBLE DOOR (8' OR LESS)  
PASSIVE LOCK SYSTEM  
STEEL



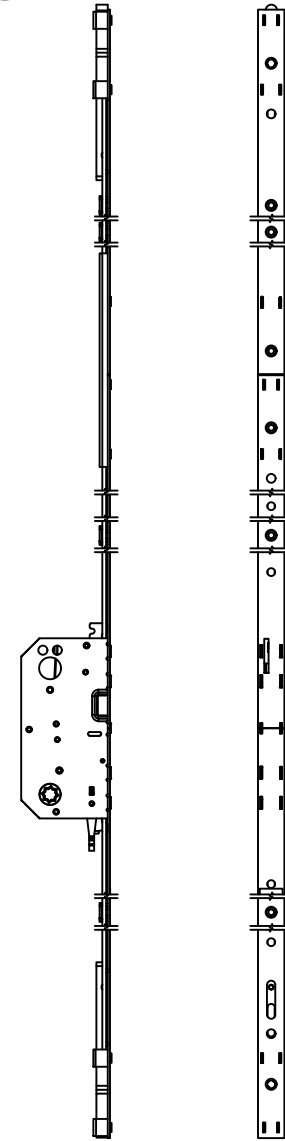
25 ACTIVE SINGLE DOOR (ABOVE 8')  
4 PT. LOCK SYSTEM  
STEEL



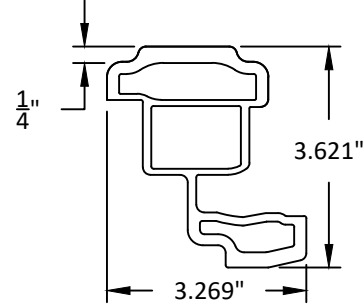
26 ACTIVE DOUBLE DOOR (ABOVE 8')  
6 PT. LOCK SYSTEM  
STEEL



27 PASSIVE DOUBLE DOOR (ABOVE 8')  
PASSIVE LOCK SYSTEM  
STEEL

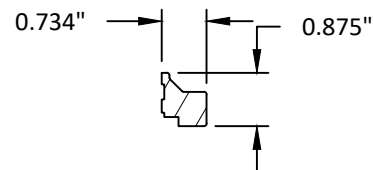


23 ASTRAGAL (PASSIVE)  
FIBERGLASS

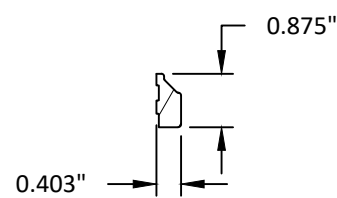


FOR USE WITH DOOR TALLER THAN 8'

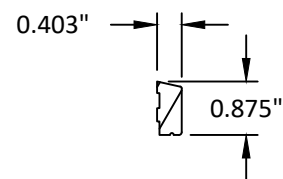
24 MONO GLAZING STOP  
WOOD



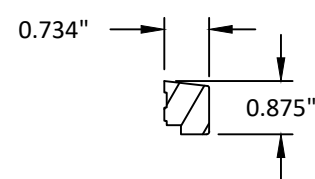
24A 7/8" GLAZING STOP  
WOOD



24B CONTEMPORARY GLAZING STOP 7/8" I.G.  
WOOD



24C CONTEMPORARY MONO GLAZING STOP  
WOOD



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PATIO DOOR-OUTSWING  
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DWG. BY: MSS  
CHK. BY: HFN

SCALE: NTS

DWG. #: AWD062

SHEET:

12

OF 12