

10/4/2023 1:16 PM
s:\projects\andersen windows\cc-23-0347 - fbc 2023 code change (8th edition)\dwgs\115752\awd238.dwg

ANDERSEN CORPORATION

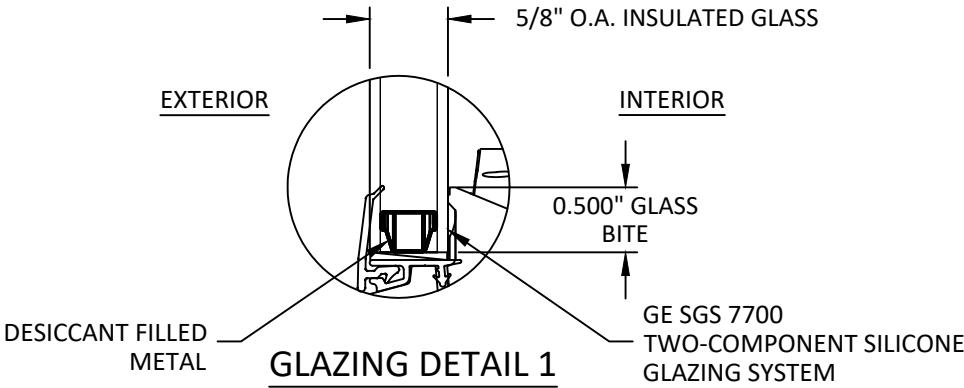
400 SERIES TILT WASH DOUBLE HUNG WINDOW WITH PG UPGRADE (NON-HVHZ)(NON-IMPACT)

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), **EXCLUDING** HVHZ AND HAS BEEN EVALUATED TO THE FOLLOWING:
 - AAMA/WDMA/CSA 101/I.S.2/A440-17
- 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 REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- WINDOW FRAME MATERIAL: PONDEROSA PINE OR EQUIV. (MIN S.G. = 0.40)
- GLASS SHALL MEET THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAIL.
- DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:
X: OPERABLE SASH
O: FIXED SASH

DESIGN PRESSURE RATING		
SIZE	DESIGN PRESSURE	MISSILE IMPACT RATING
37 $\frac{5}{8}$ " X 76 $\frac{7}{8}$ "	+50.0 / -50.0 PSF	NON-IMPACT
45 $\frac{5}{8}$ " X 64 $\frac{7}{8}$ "	+50.0 / -50.0 PSF	NON-IMPACT
45 $\frac{5}{8}$ " X 76 $\frac{7}{8}$ "	+50.0 / -50.0 PSF	NON-IMPACT

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL NOTES & GLAZING DETAIL
2	ELEVATION & ANCHOR LAYOUTS
3	VERTICAL SECTION
4	HORIZONTAL SECTION
5	INSTALLATION NOTES & ANCHOR DETAILS
6	COMPONENTS AND BILL OF MATERIALS
7	COMPONENTS (1)
8	COMPONENTS (2)
9	ONE-WAY WOOD MULL DP TABLE & MULL DETAILS
10	ONE-WAY & TWO-WAY DP STEEL MULL TABLE & MULL DETAILS



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

ANDERSEN
WINDOWS & DOORS

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

TITLE: 400 SERIES TILT WASH DOUBLE HUNG WINDOW WITH PG UPGRADE (NON-HVHZ)(NON-IMPACT)

GENERAL NOTES & GLAZING DETAIL

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
7TH FBC CODE CHANGE	SR	3.19.20
8TH FBC CODE CHANGE	OL	6.01.23

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.

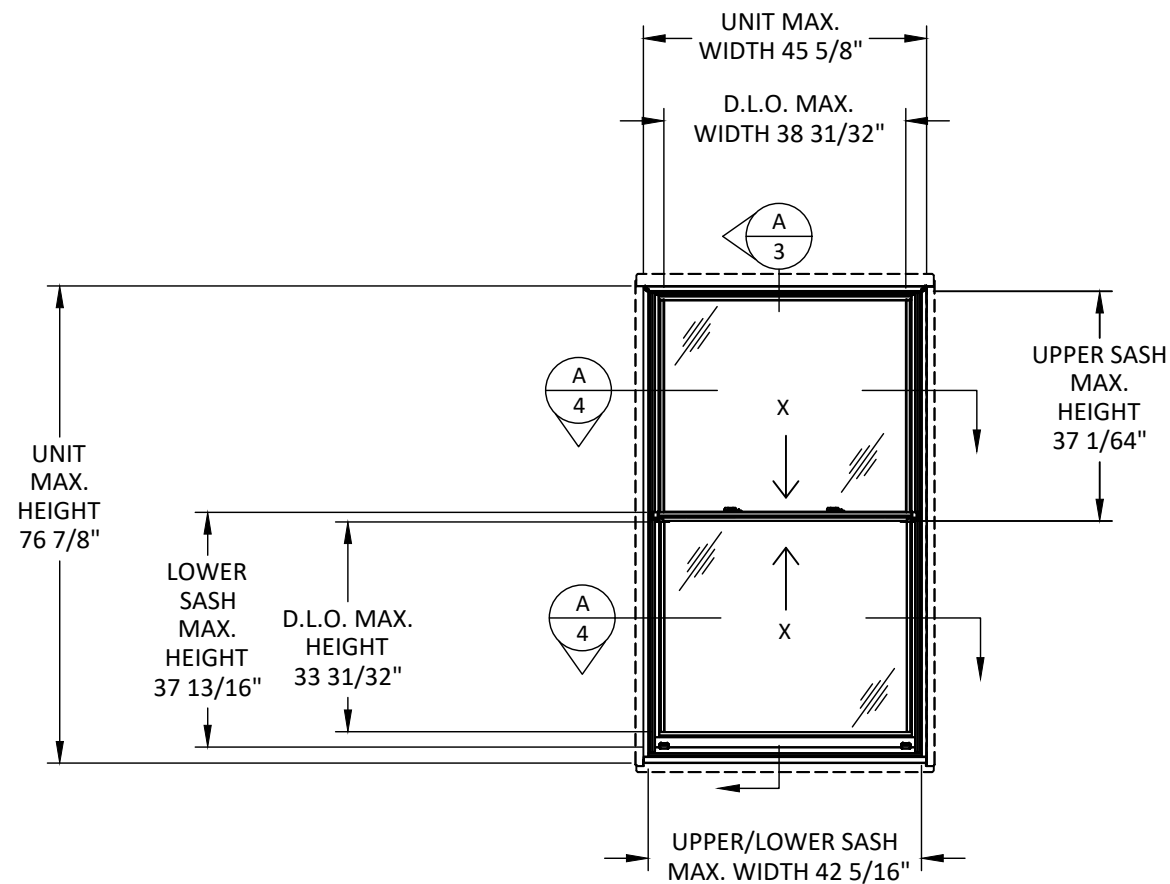
Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.10.18 13:46:31 -0400

HERMES F. NORERO, P.E.
FLORIDA LICENSE NO. 73778
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

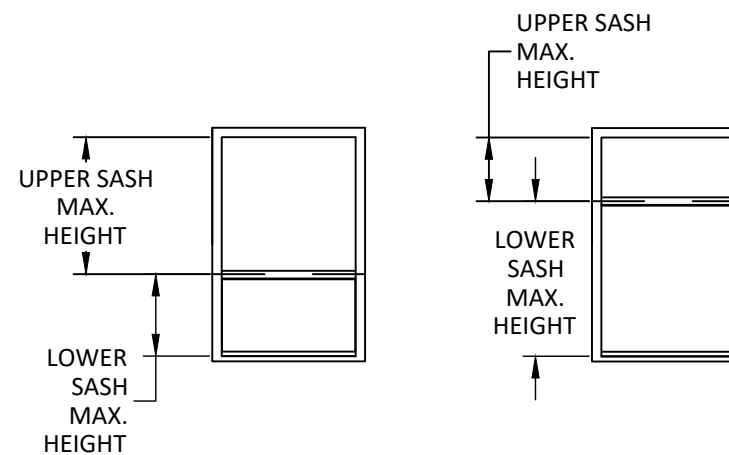
FL #:	FL15752
DATE:	05.07.18
DWG. BY:	HR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD238
SHEET:	1

OF 10

s:\projects\andersen windows\cc-23-0347 - fbc 2023 code change (8th edition)\dwgs\115752\awd238.dwg 10/4/2023 1:16 PM

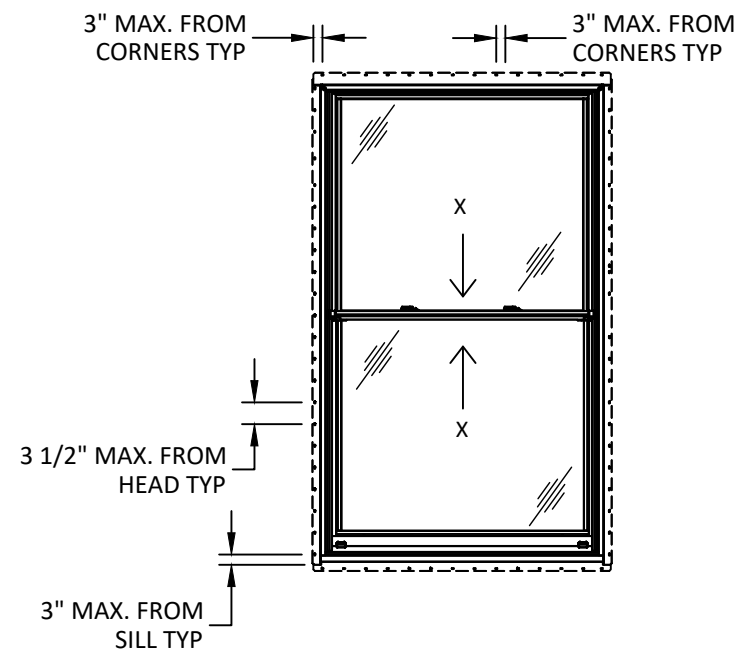


ELEVATION

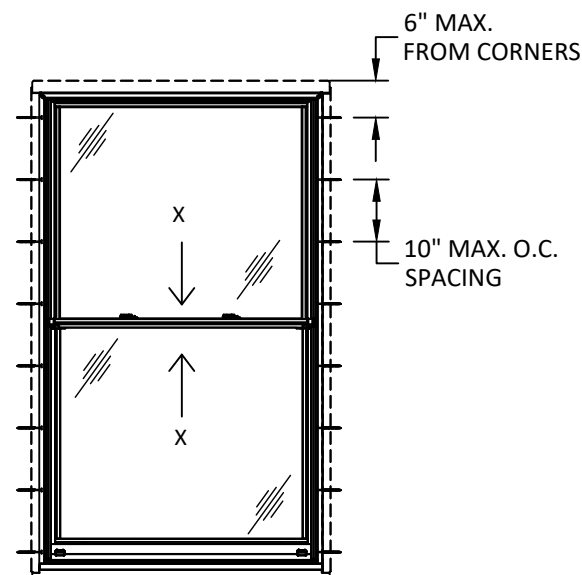


NOTE: FOR SASH WIDTHS OF UP TO 34 5/16", COTTAGE & REVERSE COTTAGE CONFIGURATIONS APPROVED SUCH THAT MAXIMUM SASH HEIGHTS DO NOT EXCEED 37 13/16" FOR A DESIGN PRESSURE OF +50/-50 PSF.

FOR SASH WIDTHS GREATER THAN 34 5/16", COTTAGE & REVERSE COTTAGE CONFIGURATIONS APPROVED SUCH THAT MAXIMUM SASH HEIGHTS DO NOT EXCEED 37 13/16" FOR A DESIGN PRESSURE OF +50/-50 psf OR 31 13/16" FOR A DESIGN PRESSURE OF +50/-50 PSF.



ANCHOR LAYOUT
NAIL FIN INSTALLATION



ANCHOR LAYOUT
THROUGH FRAME INSTALLATION



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

TITLE: 400 SERIES TILT WASH DOUBLE
HUNG WINDOW WITH PG UPGRADE
(NON-HVHZ)(NON-IMPACT)

ELEVATIONS AND
ANCHOR LAYOUTS

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



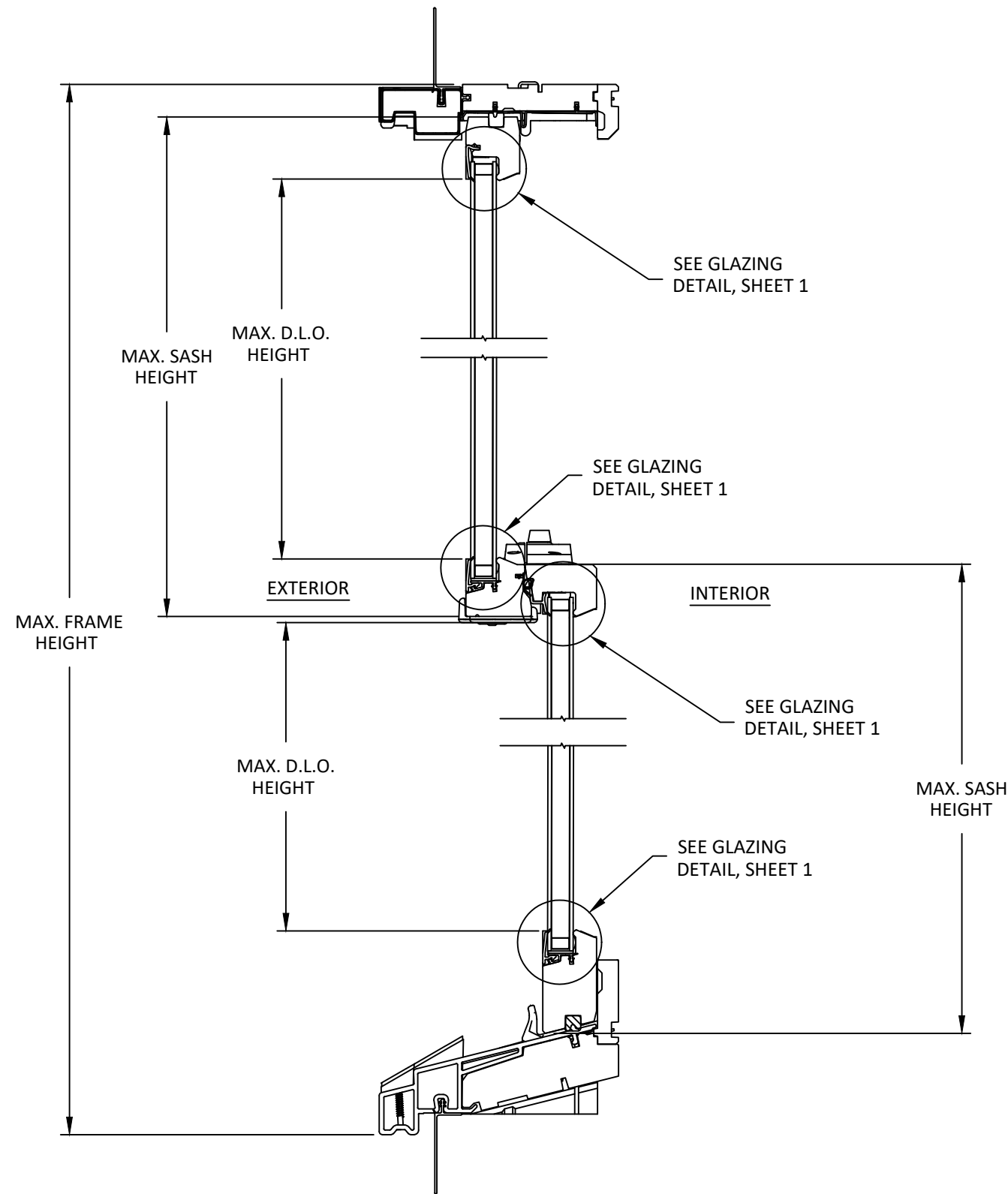
REMARKS	BY	DATE
7TH FBC CODE CHANGE	SR	3.19.20
8TH FBC CODE CHANGE	OL	6.01.23

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.



FL #:	FL15752
DATE:	05.07.18
DWG. BY:	HR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD238
SHEET:	2

s:\projects\andersen windows\cc-23-0347 - fbc 2023 code change (8th edition)\dwgs\115752\awd238.dwg 10/4/2023 1:16 PM



A
3 **VERTICAL SECTION**
THROUGHT FRAME & NAIL FIN INSTALLATION



ANDERSEN
WINDOWS & DOORS

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

TITLE: 400 SERIES TILT WASH DOUBLE
HUNG WINDOW WITH PG UPGRADE
(NON-HVHZ)(NON-IMPACT)

VERTICAL SECTION

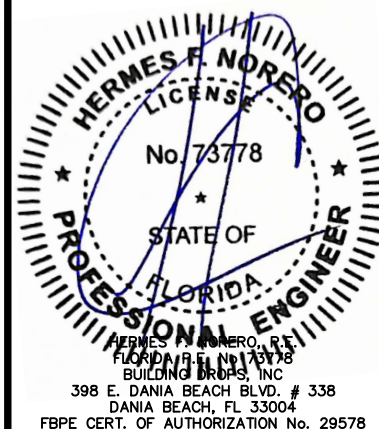
PREPARED BY:

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
7TH FBC CODE CHANGE	SR	3.19.20
8TH FBC CODE CHANGE	OL	6.01.23

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.



FL #:

FL15752

DATE: **05.07.18**

DWG. BY:	CHK. BY:
HR	HFN

SCALE: **NTS**

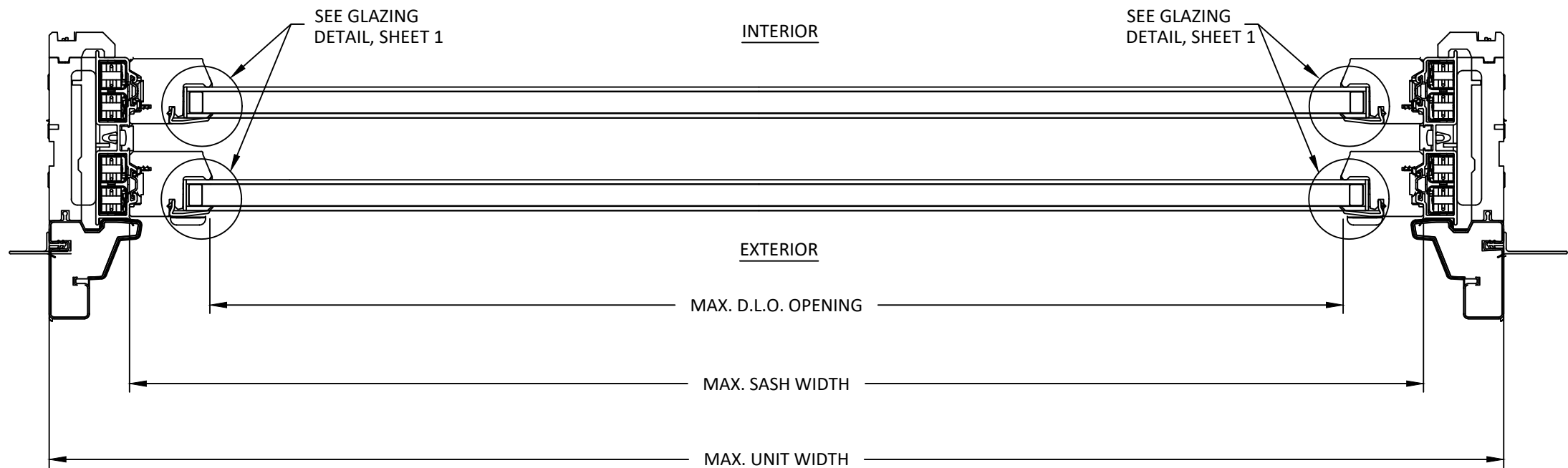
DWG. #: **AWD238**

SHEET:

3

OF 10

s:\projects\andersen windows\cc-23-0347 - fbc 2023 code change (8th edition)\dwgs\115752\awd238.dwg 10/4/2023 1:17 PM



A
4 **HORIZONTAL SECTION**
THROUGH FRAME AND NAIL FIN INSTALLATION



ANDERSEN
WINDOWS & DOORS

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

TITLE: 400 SERIES TILT WASH DOUBLE
HUNG WINDOW WITH PG UPGRADE
(NON-HVHZ)/(NON-IMPACT)

HORIZONTAL SECTION

PREPARED BY:

BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004

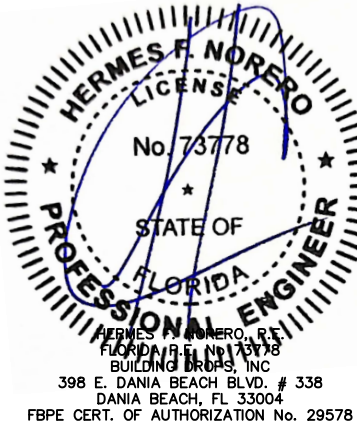
PH: (954) 399-8478
FAX: (954) 744-4738

WEB: www.buildingdrops.com



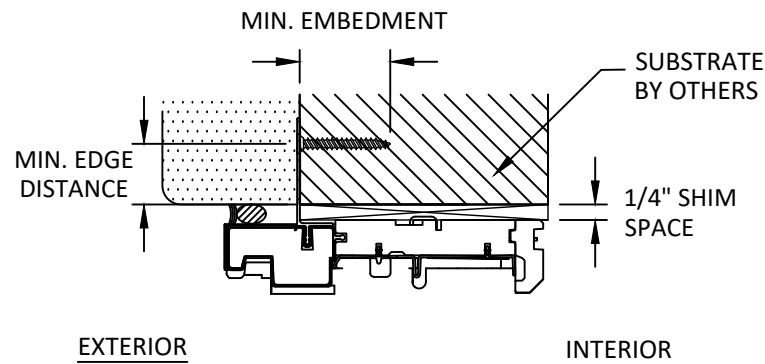
REMARKS	BY	DATE
7TH FBC CODE CHANGE	SR	3.19.20
8TH FBC CODE CHANGE	OL	6.01.23

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.

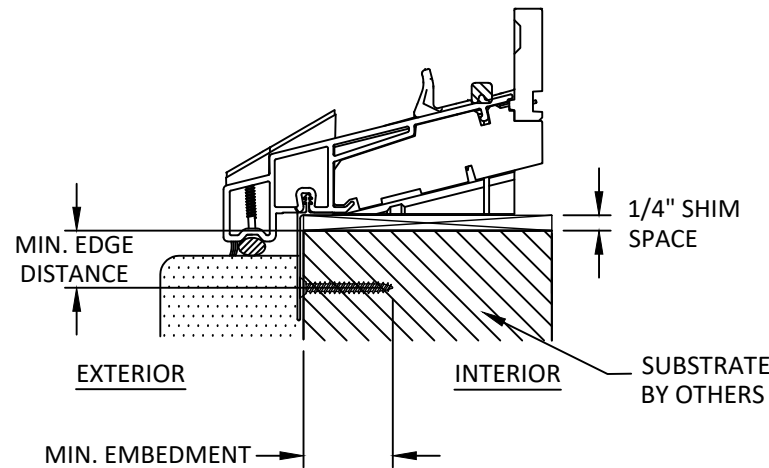


FL #:	FL15752
DATE:	05.07.18
DWG. BY:	HR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD238
SHEET:	4

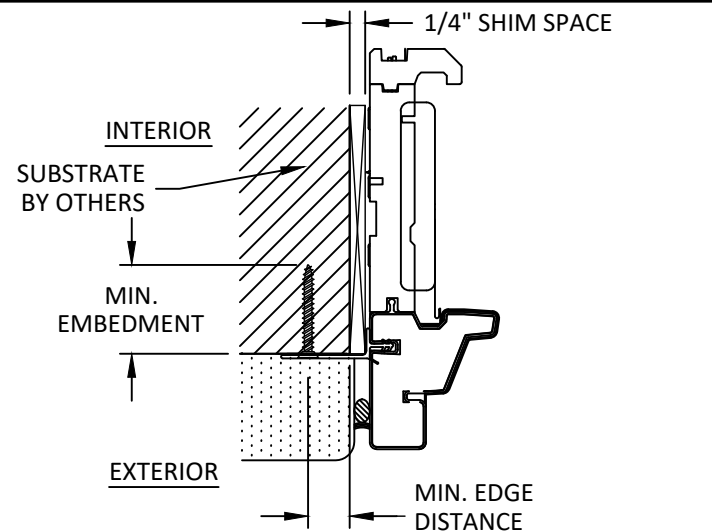
s:\projects\andersen windows\cc-23-0347 - fbc 2023 code change (8th edition)\dwgs\115752\awd238.dwg 10/4/2023 1:17 PM



A
5 **HORIZONTAL SECTION**
NAIL FIN INSTALLATION - HEAD



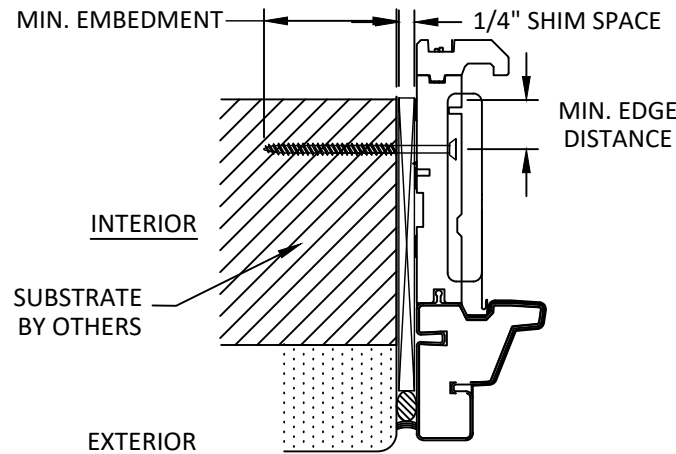
B
5 **HORIZONTAL SECTION**
NAIL FIN INSTALLATION - SILL



C
5 **HORIZONTAL SECTION**
NAIL FIN INSTALLATION - JAMB

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 OF THE MAXIMUM SIZE LISTED.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/4$ INCH THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAILS (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 MASONRY OR CONCRETE OPENINGS, A 1X WOOD BUCK MAY BE USED (OPTIONAL) AS LONG AS THE MINIMUM EMBEDMENT AND EDGE DISTANCE REQUIREMENTS ARE STILL MET WITHIN THE CORRESPONDING HOST SUBSTRATE. SEE GENERAL NOTE #3 ON SHEET 1 FOR MORE INFORMATION.
- 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.



D
5 **HORIZONTAL SECTION**
THROUGH FRAME INSTALLATION JAMB

ANCHOR SCHEDULE				
METHOD	SUBSTRATE	ANCHOR SCHEDULE	MIN EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME	WOOD: MIN. SG = 0.55	#10 WOOD SCREW FLAT HEAD	1.5"	0.75"
	METAL: 18 GAUGE Steel, MIN. Fy = 33KSI	#10 TEK SCREW FLAT HEAD	3 THREADS MIN PENETRATION BEYOND METAL	0.5"
	CONCRETE: MIN. f'c=3000PSI	3/16" ITW TAPCON FLATHEAD	1"	2"
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI	3/16" ITW TAPCON FLATHEAD	1"	2.25"
NAIL FIN INSTALLATION	WOOD: MIN. SG = 0.55	#8 WOOD SCREW FLAT HEAD	1.5"	0.75"
	METAL: 18 GAUGE Steel, MIN. Fy = 33KSI	#8 TEK SCREW FLAT HEAD	3 THREADS MIN PENETRATION BEYOND METAL	0.5"



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

TITLE: 400 SERIES TILT WASH DOUBLE
HUNG WINDOW WITH PG UPGRADE
(NON-HVHZ)/(NON-IMPACT)

INSTALLATION DETAILS & ANCHOR DETAILS

PREPARED BY:

BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338

DANIA BEACH, FL 33004

PH: (954) 399-8478

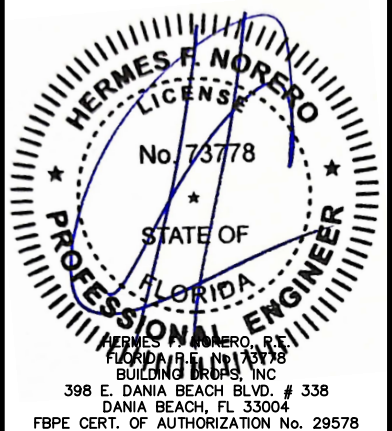
FAX: (954) 744-4738

WEB: www.buildingdrops.com



REMARKS	BY	DATE
7TH FBC CODE CHANGE	SR	3.19.20
8TH FBC CODE CHANGE	OL	6.01.23

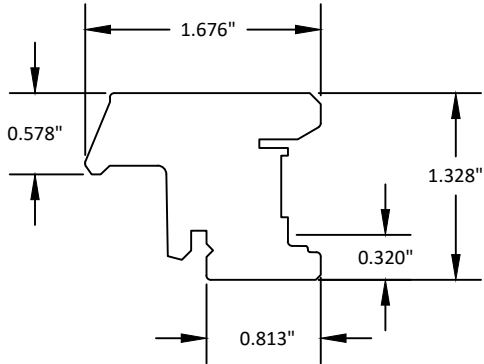
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



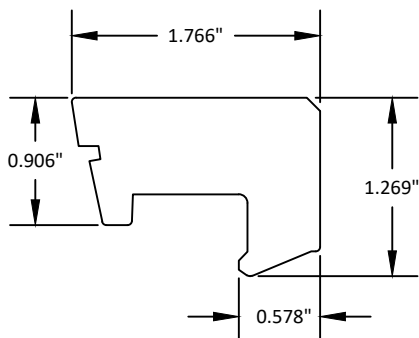
FL #:	FL15752
DATE:	05.07.18
DWG. BY:	HR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD238
SHEET:	5

s:\projects\andersen windows\cc-23-0347 - fbc 2023 code change (8th edition)\dwgs\115752\awd238.dwg 10/4/2023 1:17 PM

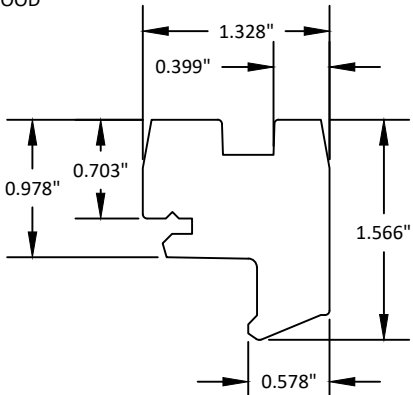
14 STILE
WOOD



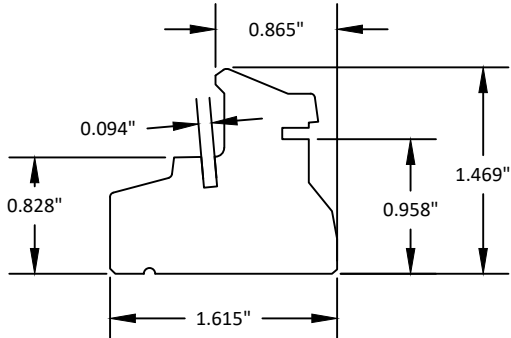
15 LOWER CHECK RAIL
WOOD



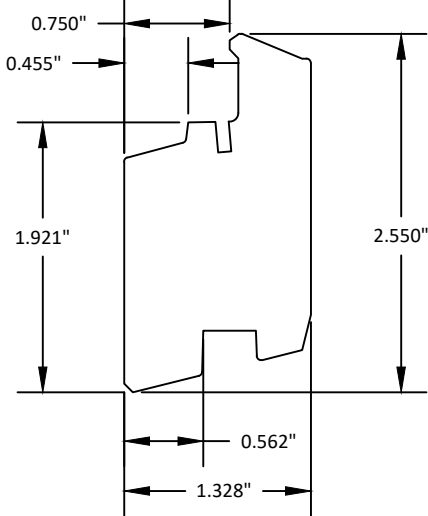
16 TOP RAIL
WOOD



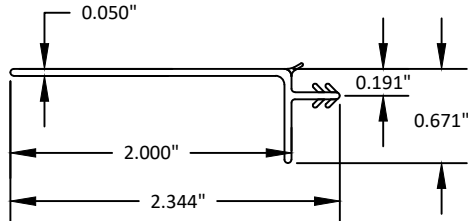
17 UPPER CHECK RAIL
WOOD



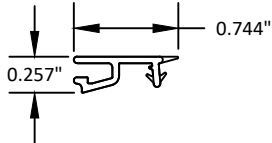
18 BOTTOM RAIL
WOOD



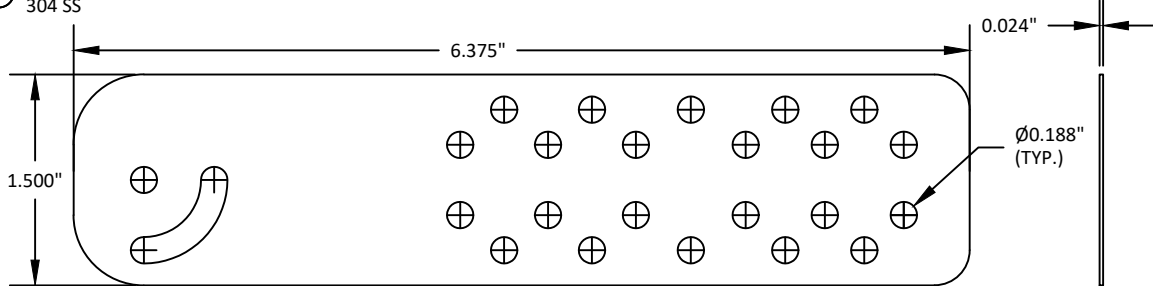
19 NAILING FLANGE
PVC - 0.050" TYP. WALL THICKNESS



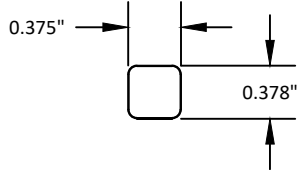
20 RAIL LINER
PVC



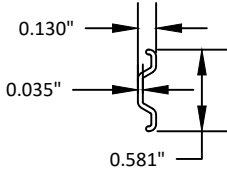
30 INSTALLATION CLIP
304 SS



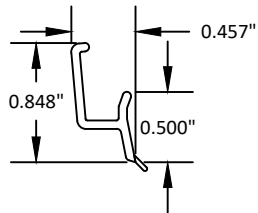
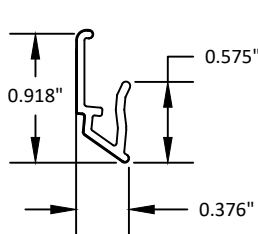
22 FOAM WEATHER STRIP



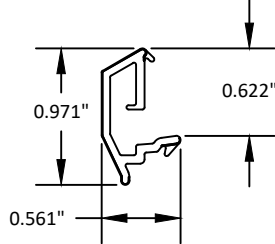
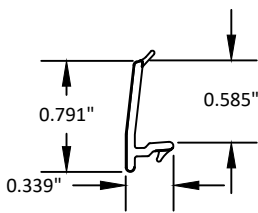
23 BALANCER COVER
PVC - 0.035" TYP WALL THICKNESS



21 LOWER SASH HEAD GLAZING BEADS
PVC



24 SASH GLAZING BEADS
PVC



NOTE: ALL WOOD TO BE
PONDEROSA PINE OR EQUAL

BILL OF MATERIALS

NO	PART NUMBER	DESCRIPTION	MATERIAL	MANUFACTURER
1	AW 29146	HEAD JAMB	WOOD	ANDERSEN
2	AW 20028	HEAD OUTER FRAME MEMBER	WOOD	ANDERSEN
3	AW 29377	HEAD OUTER FRAME MEMBER COVER	PVC	ANDERSEN
4	AW 29285	INSIDE STOP HEAD	WOOD	ANDERSEN
5	AW 29825	HEAD JAMB LINER	PVC	ANDERSEN
6	AW 29147	BASE SILL	WOOD	ANDERSEN
7	AW 29375	SILL COVER	PVC	ANDERSEN
8	AW 24877	INSIDE SILL STOP	WOOD	ANDERSEN
9	AW 29824	SIDE JAMB	WOOD	ANDERSEN
10	AW 29760	OUTER FRAME MEMBER CORE	WOOD	ANDERSEN
11	AW 29376	OUTER FRAME MEMBER COVER	PVC	ANDERSEN
12	AW 0107171	JAMB LINER	PVC	ANDERSEN
13	AW 29285	INSIDE JAMB STOP	WOOD	ANDERSEN
14	AW 29085	STILE	WOOD	ANDERSEN
15	AW 29083	LOWER CHECK RAIL	WOOD	ANDERSEN
16	AW 29080	TOP RAIL	WOOD	ANDERSEN
17	AW 29754	UPPER CHECK RAIL	WOOD	ANDERSEN
18	AW 29084	BOTTOM RAIL	WOOD	ANDERSEN
19	AW 29089	NAILING FLANGE	PVC	ANDERSEN
20	AW 0106187	RAIL LINER	PVC	ANDERSEN
21	AW 29749 & AW 29699	LOWER SASH HEAD GLAZING BEADS	PVC	ANDERSEN
22	AW 20057	FOAM WEATHER STRIP		
23	AW 29067	BALANCER COVER	PVC	ANDERSEN
24	AW 29689 & AW 29748	SASH GLAZING BEADS	PVC	ANDERSEN
25		3/8" O.A. INSULATED GLASS (SHALL CONFORM TO ASTM E1300-04)		
32		SETTING BLOCK		
33		GE SGS 7700 2-COMP SILICONE GLAZING SYSTEM	SILICONE	GENERAL ELECTRIC
34		WEATHER STRIPPING	POLYPROPYLENE	
38		SASH LOCK ASSEMBLY	ZINC ALLOY	
39	AW 24855	MULL SPACER	RIGID PVC	ANDERSEN
40	AW 010745	EXTERIOR TRIM STRIP	RIGID PVC	ANDERSEN
41		MULL JOINING CLIP	GALV. STEEL	ANDERSEN
42		SILL GUSSET PLATE	STEEL	ANDERSEN
43	AW 27143	HEAD/JAMB GUSSET PLATE	STEEL	ANDERSEN
44		V-NOTCH GUSSET (FOR STEEL MULL)	GALV. STEEL	ANDERSEN
45		3/16" X 4" STEEL MULL REINFORCEMENT	A36 STEEL	ANDERSEN
46		EXTERIOR SILL BRACKET	ZINC ALLOY	ANDERSEN



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

TITLE: 400 SERIES TILT WASH DOUBLE
HUNG WINDOW WITH PG UPGRADE
(NON-HVHZ)/(NON-IMPACT)

COMPONENTS AND BILL
OF MATERIALS

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
7TH FBC CODE CHANGE	SR	3.19.20
8TH FBC CODE CHANGE	OL	6.01.23

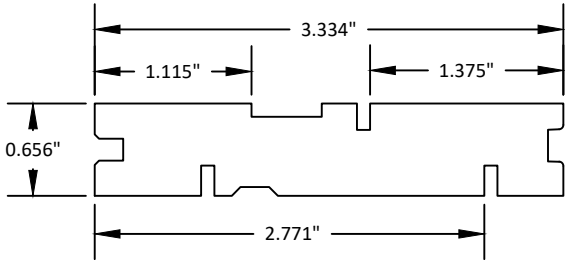
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC
AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC
SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE
FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED
ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC
DOCUMENTS FOR USE WITH THIS DOCUMENT.



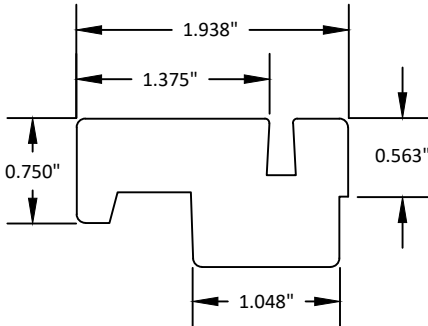
FL #:	FL15752
DATE:	05.07.18
DWG. BY:	HR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD238
SHEET:	6

s:\projects\andersen windows\cc-23-0347 - fbc 2023 code change (8th edition)\dwgs\115752\awd238.dwg 10/4/2023 1:17 PM

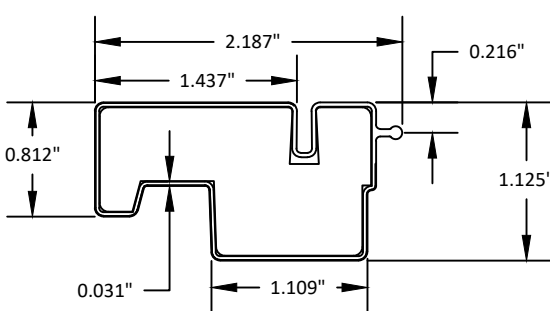
① HEAD JAMB
WOOD



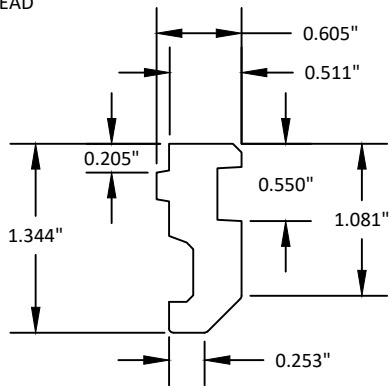
② HEAD OUTER FRAME MEMBER
WOOD



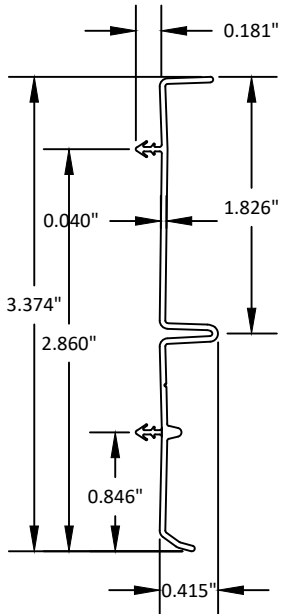
③ HEAD OUTER FRAME MEMBER COVER
PVC - 0.031" TYP WALL THICKNESS



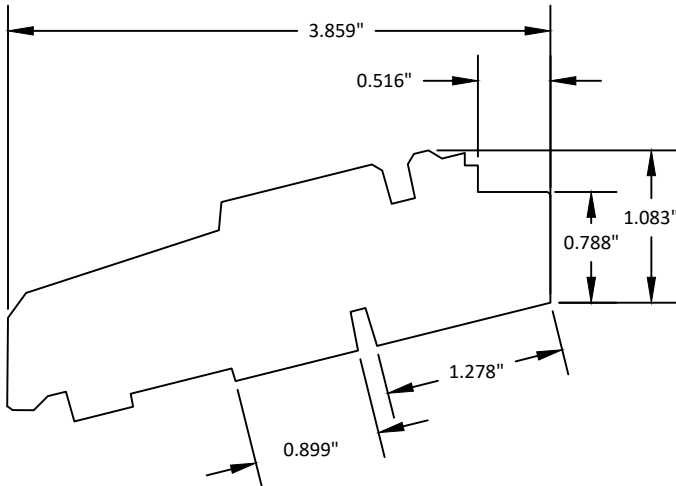
④ INSIDE STOP HEAD
WOOD



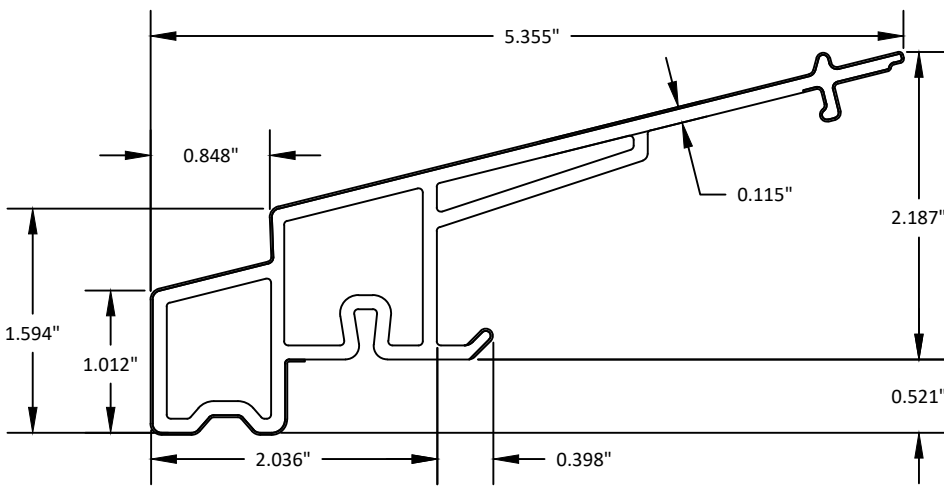
⑤ HEAD JAMB LINER
PVC - 0.043" TYP WALL THICKNESS



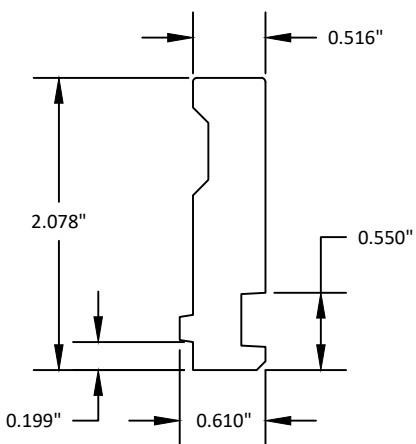
⑥ BASE SILL
WOOD



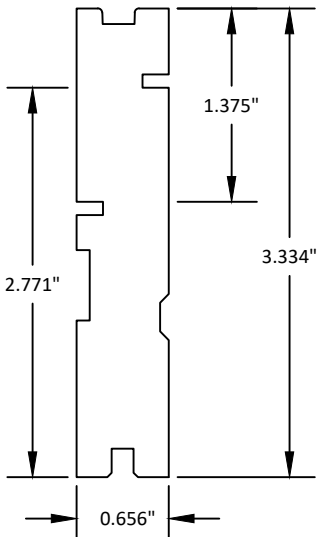
⑦ SILL COVER
0.115" TYP WALL THICKNESS



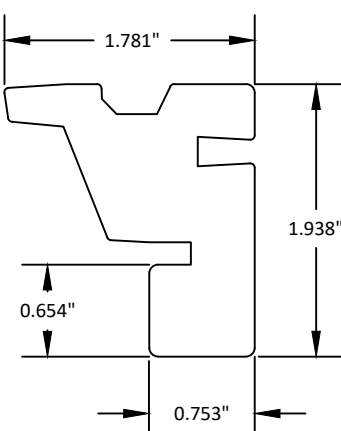
⑧ INSIDE SILL STOP
WOOD



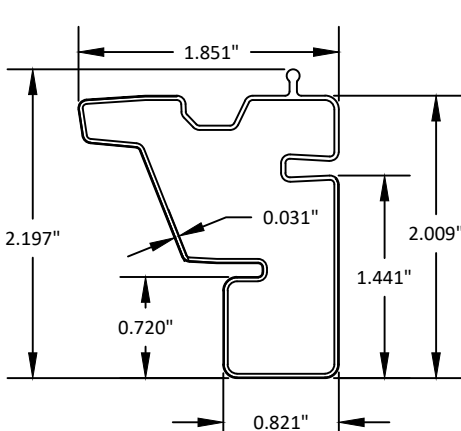
⑨ SIDE JAMB
WOOD



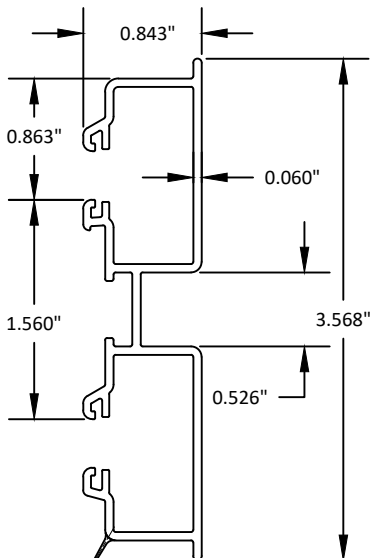
⑩ OUTER FRAME MEMBER CORE
WOOD



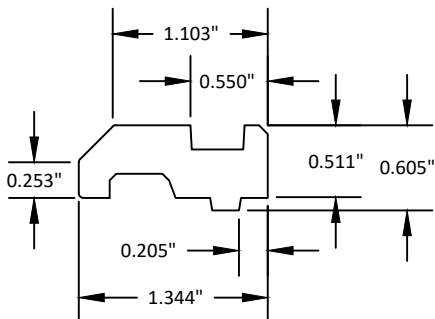
⑪ OUTER FRAME MEMBER COVER
PVC - 0.031" TYP. WALL THICKNESS



⑫ JAMB LINER
PVC - 0.060" TYP. WALL THICKNESS



⑬ INSIDE JAMB STOP
WOOD



ANDERSEN
WINDOWS & DOORS

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

TITLE: 400 SERIES TILT WASH DOUBLE
HUNG WINDOW WITH PG UPGRADE
(NON-HVHZ)/(NON-IMPACT)

COMPONENTS (1)

PREPARED BY:

BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004

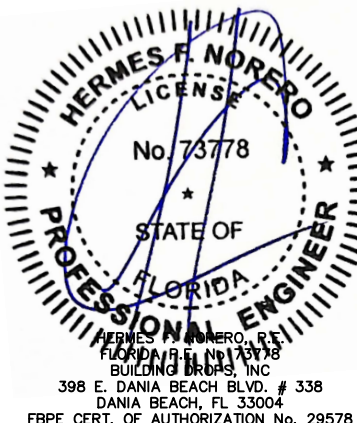
PH: (954) 399-8478
FAX: (954) 744-4738

WEB: www.buildingdrops.com



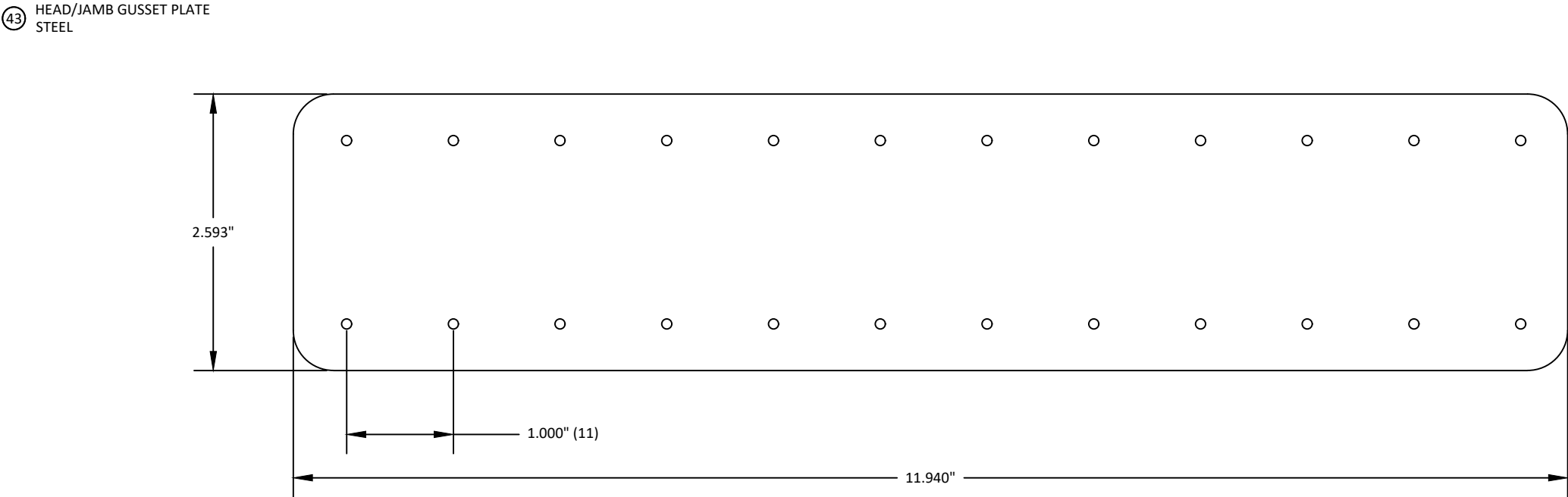
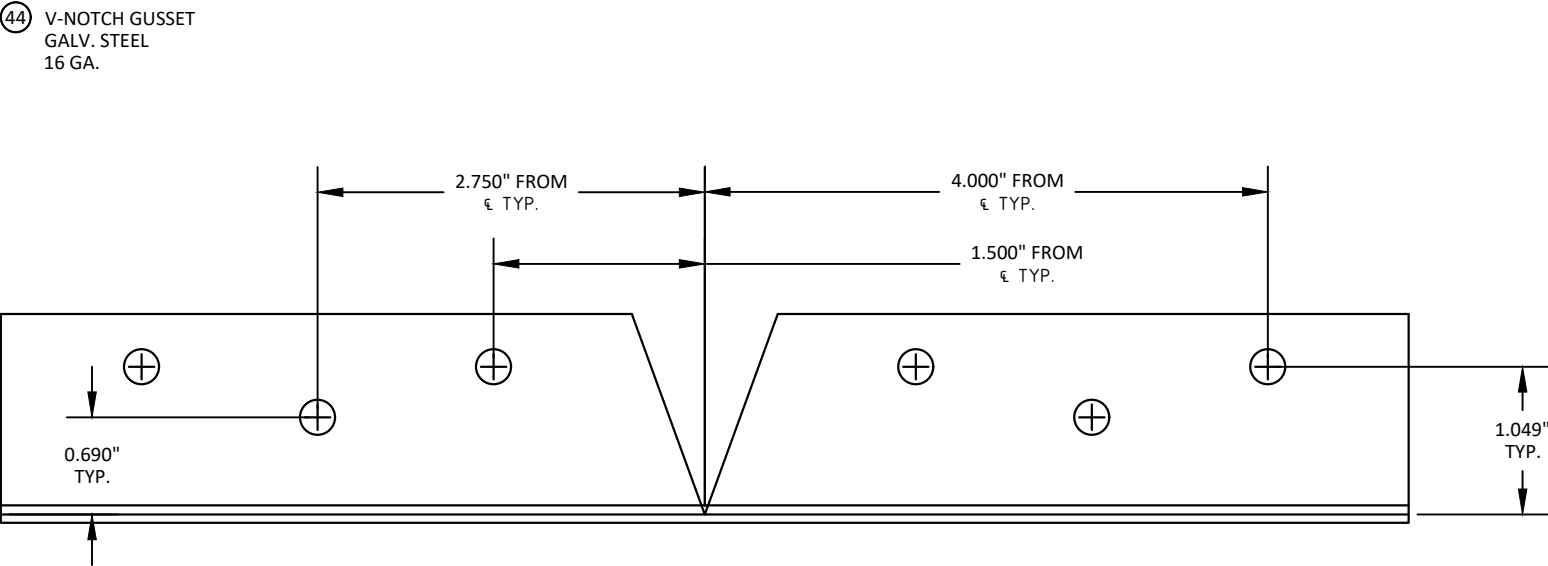
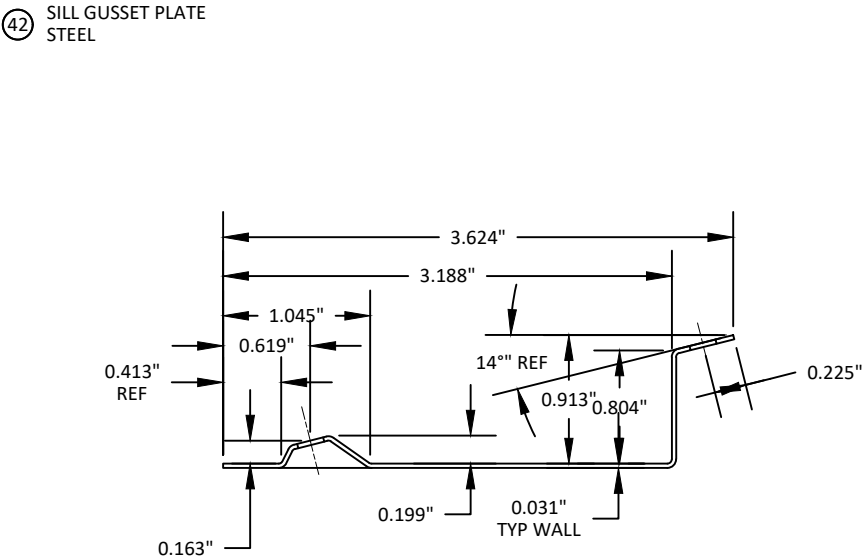
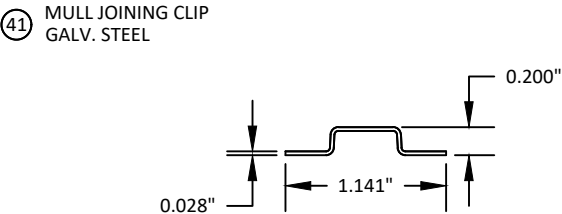
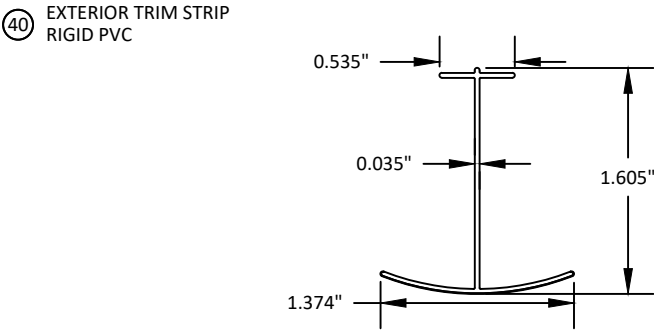
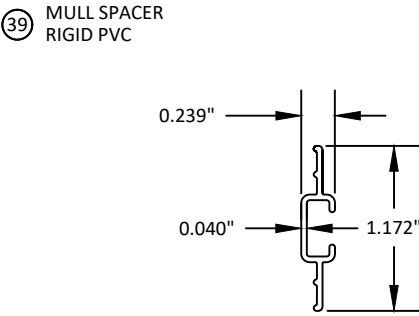
REMARKS	BY	DATE
7TH FBC CODE CHANGE	SR	3.19.20
8TH FBC CODE CHANGE	OL	6.01.23

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.



FL #:	FL15752
DATE:	05.07.18
DWG. BY:	HR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD238
SHEET:	7

s:\projects\andersen windows\cc-23-0347 - fbc 2023 code change (8th edition)\dwgs\115752\awd238.dwg 10/4/2023 1:17 PM



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

TITLE: 400 SERIES TILT WASH DOUBLE
HUNG WINDOW WITH PG UPGRADE
(NON-HVHZ)/(NON-IMPACT)

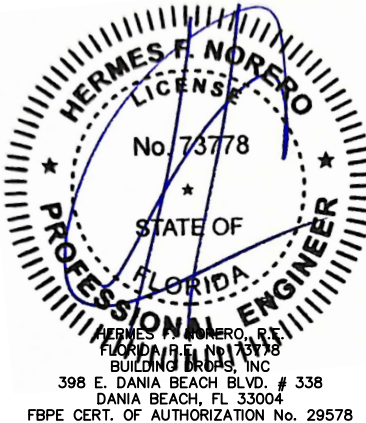
COMPONENTS (2)

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
7TH FBC CODE CHANGE	SR	3.19.20
8TH FBC CODE CHANGE	OL	6.01.23

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.



FL #:
FL15752

DATE: **05.07.18**

DWG. BY: HR	CHK. BY: HFN
-----------------------	------------------------

SCALE: **NTS**

DWG. #: **AWD238**

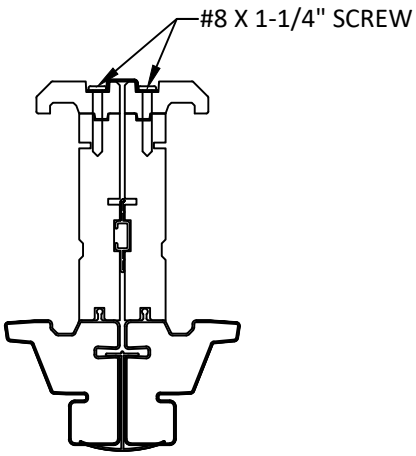
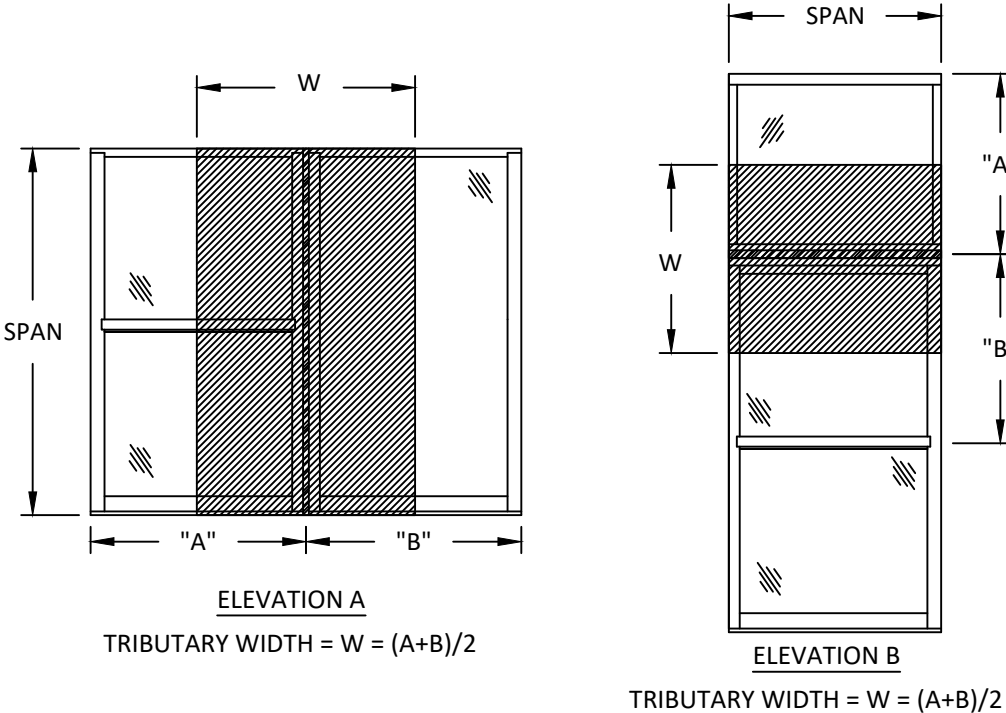
SHEET:
8
OF 10

10/4/2023 1:17 PM
s:\projects\andersen windows\cc-23-0347 - fbc 2023 code change (8th edition)\dwgs\115752\awd238.dwg

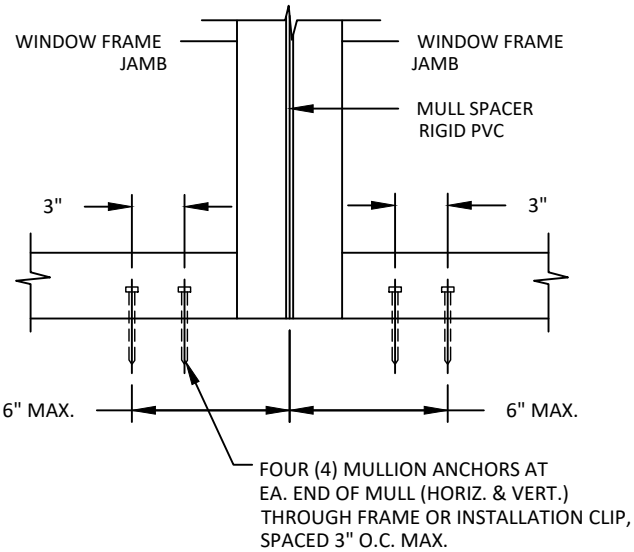
Maximum design pressure capacity chart (psf)
400 Series TW/TWT/DHP/CTN Back to Back Wood Mullion
Design pressures are limited by mullion capacity only.

Span (in)	Tributary width (in)															
	12.0	18.0	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	84.0	90.0	96.0	
24.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	
30.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	
36.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	
42.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	
48.0	80.0	80.0	80.0	68.1	60.8	56.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	
54.0	80.0	80.0	62.6	52.2	45.8	41.9	39.7	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	
60.0	80.0	65.1	50.1	41.4	35.9	32.4	30.1	28.9	28.4	28.4	28.4	28.4	28.4	28.4	28.4	
66.0	79.2	53.5	41.0	33.6	29.0	25.9	23.8	22.4	21.6	21.4	21.4	21.4	21.4	21.4	21.4	
72.0	66.4	44.8	34.2	27.9	23.9	21.2	19.3	18.0	17.1	16.6	16.5	16.5	16.5	16.5	16.5	
78.0	56.5	38.1	29.0	23.6	20.1	17.7	16.0	14.8	14.0	13.4	13.1	12.9	12.9	12.9	12.9	
84.0	48.7	32.7	24.9	20.2	17.2	15.1	13.6	12.5	11.7	11.1	10.7	10.4	10.4	10.4	10.4	
90.0	42.4	28.5	21.6	17.5	14.8	13.0	11.6	10.6	9.9	9.3	8.9	8.6	8.5	8.4	8.4	
96.0	37.2	25.0	18.9	15.3	12.9	11.3	10.1	9.2	8.5	8.0	7.6	7.3	7.1	7.0	6.9	

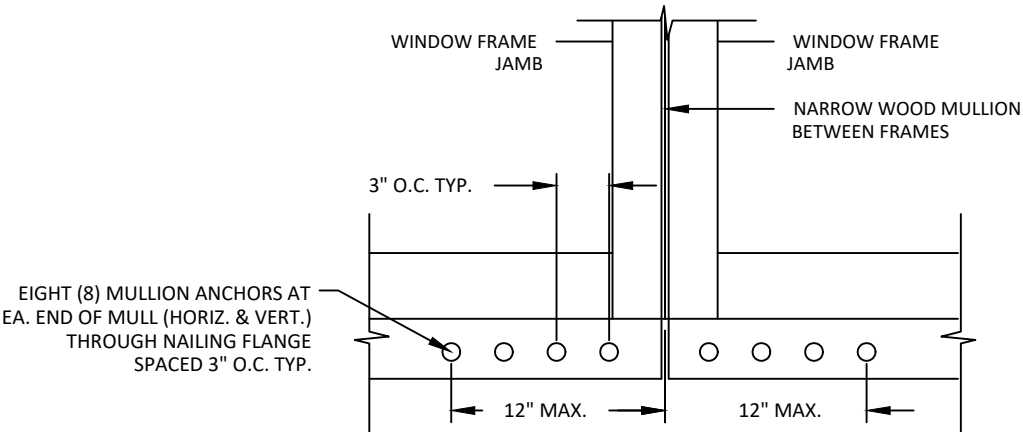
- NOTE:
- MULLION CHART APPLIES TO NARROW WOOD MULLION ASSEMBLIES, SEE TYP. DETAIL A/9, WHEN USED TO MULL WINDOWS IN CONFIGURATIONS SHOWN IN ELEVATIONS A & B.
 - DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
 - MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
 - DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION OR THE INDIVIDUAL WINDOW UNIT OF INSTALLATION.
 - MULLION CHART ABOVE APPLIES TO MULLED ASSEMBLIES CONSISTING OF 400 SERIES TW DOUBLE HUNG WINDOWS, CTN, PICTURE, AND TRANSOM WINDOWS. CTN, PICTURE AND TRANSOM WINDOWS UNDER SEPARATE APPROVAL
 - ADJACENT WINDOWS SHALL BE FASTENED TO THE ROUGH OPENING WITH ADDITIONAL ANCHORS IN ACCORDANCE WITH DETAILS B/9 & C/9, SHEET 9.



A
9
HORIZONTAL SECTION
TW-TW OR TWT-DHP-TWT



B
9
FRONT VIEW
MULLION ANCHOR DETAIL
THROUGH FRAME OR INSTALLATION CLIP



C
9
FRONT VIEW
MULLION ANCHOR DETAIL
NAILING FIN

ANDERSEN
WINDOWS & DOORS

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

TITLE: 400 SERIES TILT WASH DOUBLE
HUNG WINDOW WITH PG UPGRADE
(NON-HVHZ)/(NON-IMPACT)

ONE-WAY WOOD MULL DP TABLES
& MULL 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
7TH FBC CODE CHANGE	SR	3.19.20
8TH FBC CODE CHANGE	OL	6.01.23

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
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

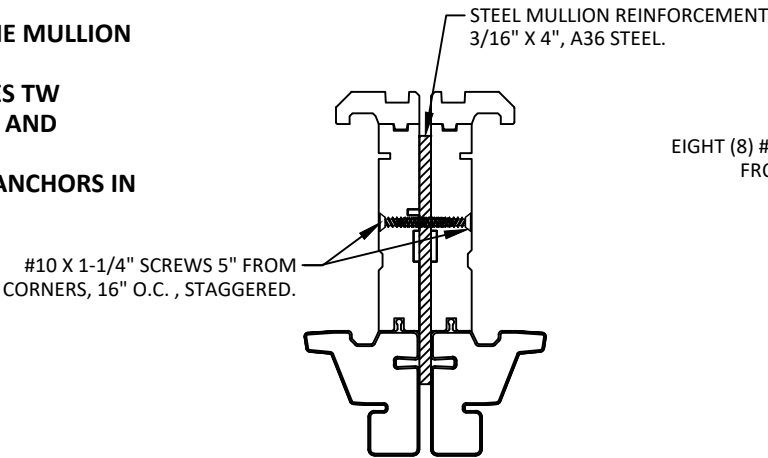
HERMES F. NORERO, P.E.
FLORIDA LICENSE NO. 73778
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:	FL15752
DATE:	05.07.18
DWG. BY:	HR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD238
SHEET:	9

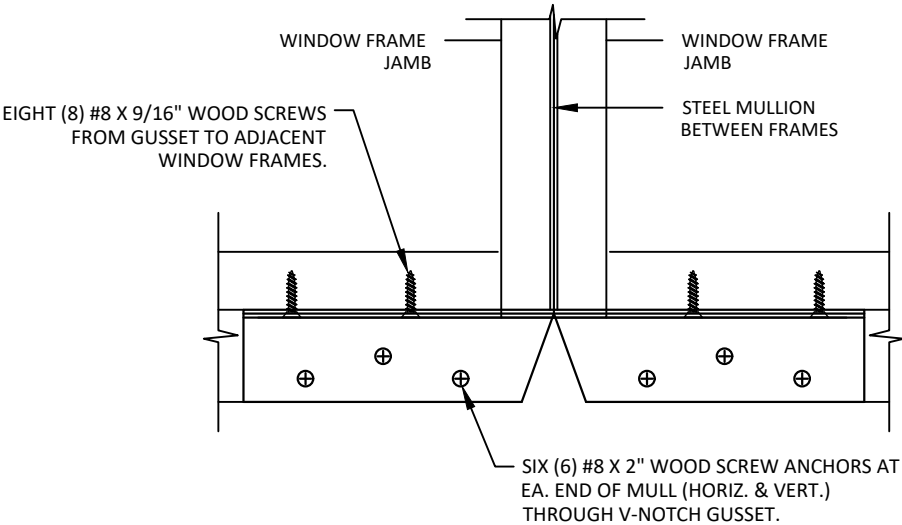
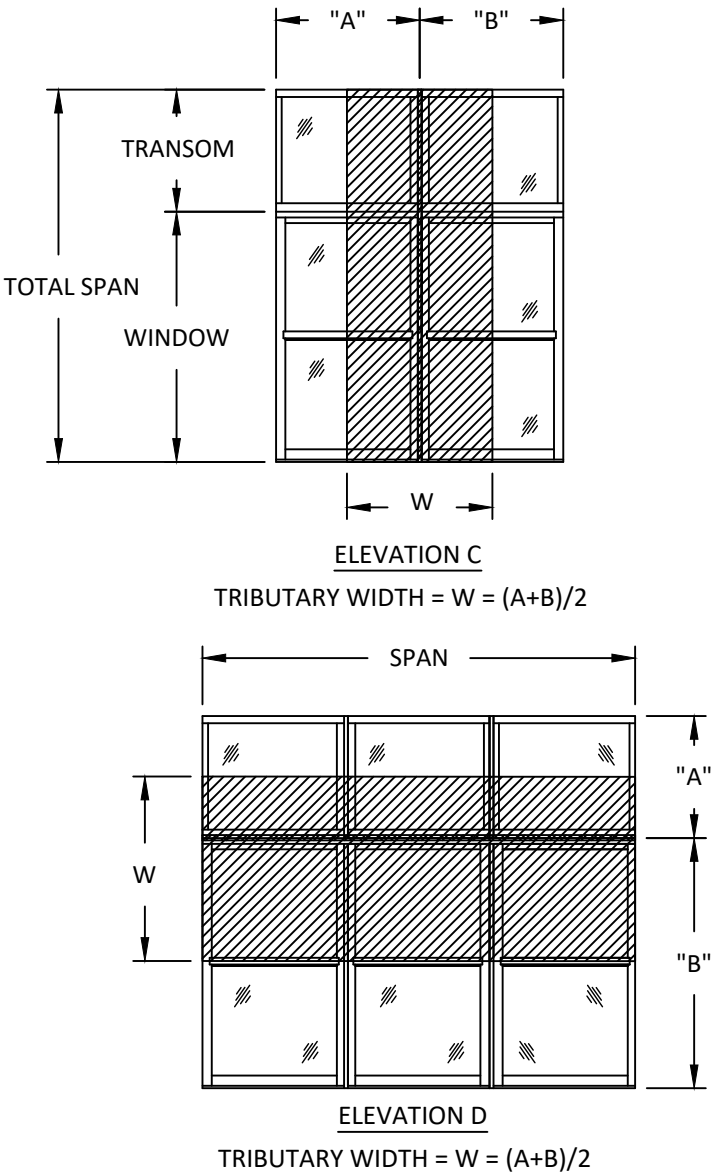
Maximum design pressure capacity chart (psf)
400 Series TW/TWT/DHP/CTN V-Notch Steel Mullion
Design pressures are limited by mullion capacity only.

Span (in.)	Tributary Width (in)															
	12.0	18.0	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	84.0	90.0	96.0	
24.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	
30.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	
36.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	
42.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	
48.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	
54.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	
60.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	48.9	
66.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.8	46.2	43.1	40.4
72.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.4	45.3	41.8	38.8	36.2	34.0	
78.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	46.3	42.1	38.6	35.6	33.1	30.9	29.0	
84.0	50.0	50.0	50.0	50.0	50.0	50.0	49.9	44.4	39.9	36.3	33.3	30.7	28.5	26.6	25.0	
90.0	50.0	50.0	50.0	50.0	50.0	49.7	43.5	38.7	34.8	31.6	29.0	26.8	24.9	23.2	21.7	
96.0	50.0	50.0	50.0	50.0	48.0	41.7	37.0	33.3	30.3	27.8	25.5	23.5	21.8	20.4	19.1	
102.0	50.0	50.0	50.0	47.2	39.8	34.6	30.7	27.6	25.1	23.0	21.3	19.7	18.4	17.3	16.3	
108.0	50.0	50.0	49.0	39.6	33.4	29.0	25.7	23.1	21.0	19.3	17.8	16.6	15.5	14.5	13.7	
114.0	50.0	50.0	41.5	33.6	28.3	24.5	21.7	19.5	17.8	16.3	15.1	14.0	13.1	12.3	11.6	
120.0	50.0	46.9	35.5	28.7	24.2	21.0	18.5	16.7	15.2	13.9	12.9	12.0	11.2	10.5	9.9	
126.0	50.0	40.4	30.6	24.7	20.8	18.0	15.9	14.3	13.0	12.0	11.1	10.3	9.6	9.0	8.5	
132.0	50.0	35.1	26.6	21.5	18.1	15.6	13.8	12.4	11.3	10.4	9.6	8.9	8.3	7.8	7.4	
138.0	45.6	30.7	23.2	18.8	15.8	13.6	12.1	10.8	9.8	9.0	8.3	7.8	7.3	6.8	6.4	
144.0	40.1	27.0	20.4	16.5	13.9	12.0	10.6	9.5	8.6	7.9	7.3	6.8	6.4	6.0	5.6	

- NOTE:
- MULLION CHART APPLIES TO STEEL MULLION ASSEMBLIES, SEE TYP. DETAIL A/10, WHEN USED TO MULL WINDOWS IN CONFIGURATIONS SHOWN IN ELEVATIONS C & D.
 - DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
 - MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
 - DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION OR THE INDIVIDUAL WINDOW UNIT OF INSTALLATION.
 - MULLION CHART ABOVE APPLIES TO MULLED ASSEMBLIES CONSISTING OF 400 SERIES TW DOUBLE HUNG WINDOWS, CTN, PICTURE, AND TRANSOM WINDOWS. CTN, PICTURE AND TRANSOM WINDOWS UNDER SEPARATE APPROVAL
 - ADJACENT WINDOWS SHALL BE FASTENED TO 2X WOOD BUCKS WITH ADDITIONAL ANCHORS IN ACCORDANCE WITH DETAILS B/10, SHEET 10.



A
10
HORIZONTAL SECTION
TW-TW OR TWT-DHP-TWT



B
10
FRONT VIEW
MULLION ANCHOR DETAIL
V-NOTCH GUSSET



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

TITLE: 400 SERIES TILT WASH DOUBLE
HUNG WINDOW WITH PG UPGRADE
(NON-HVHZ)/(NON-IMPACT)

ONE-WAY & TWO-WAY STEEL MULL
DP TABLES & MULL DETAILS

PREPARED BY:

BUILDING DROPS, INC.

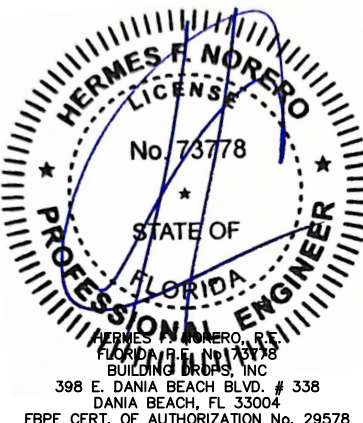
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004

PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
7TH FBC CODE CHANGE	SR	3.19.20
8TH FBC CODE CHANGE	OL	6.01.23

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.



FL #:	FL15752
DATE:	05.07.18
DWG. BY:	HR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD238
SHEET:	10