ANDERSEN CORPORATION

A-SERIES REINFORCED MULLION ASSEMBLY

INSTALLATION NOTES:

1. *ONE (1)* INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
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. FOR INSTALLATION THROUGH 2X BUCK USE #10 WOOD SCREWS. INSTALLATION SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:
   - 4.1. MINIMUM EMBEDMENT OF 1-1/2" INTO WOOD
   - 4.2. MINIMUM EDGE DISTANCE OF 1/2"
   - 4.3. MINIMUM O.C. DISTANCE OF 3/4"
5. FOR INSTALLATION THROUGH METAL FRAME USE *#10* SELF-DRILLING, SAE GR. 5, TYPE SCREWS. INSTALLATION SHALL CONFORM TO THE FOLLOWING REQUIREMENTS.
   - 5.1. THREE (3) THREADS MINIMUM PENETRATION BEYOND METAL FRAME WALL.
   - 5.2. MINIMUM EDGE DISTANCE OF 1/2"
   - 5.3. MINIMUM O.C. DISTANCE OF 3/4"
6. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE SHEATHING, & WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
7. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
8. ASSEMBLY SCREWS, #10 FH SCREWS, ARE LOCATED THROUGH SPACER CLIPS (ITEM #3) AT 24" O.C.
9. 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.
10. 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. GROUT-FILLED CMU- UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C 476, MINIMUM GROUT COMPRESSIVE STRENGTH OF 2000 PSI.
    - D. HOLLOW BLOCK CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.
    - E. STEEL - MINIMUM WALL THICKNESS OF 54 MILS (16 GA.) WHEN THROUGH GUSSET INSTALLATION.
    - F. ALUMINUM - 1/8" MINIMUM THICKNESS (6063-T5)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 5TH EDITION (2014) FLORIDA BUILDING CODE (FBC) INCLUDING HVHZ, 2012 INTERNATIONAL BUILDING CODE & 2012 INTERNATIONAL RESIDENTIAL CODE. ALL PRODUCTS UNDER THE SCOPE OF THIS DOCUMENT HAVE BEEN EVALUATED ACCORDING TO THE 2014 FBC AND THE FOLLOWING:
   - TAS 201-94
   - TAS 202-94
   - TAS 203-94
2. 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.
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 IN NON-HVHZ AREAS. IN HVHZ AREAS, ONE TIME PRODUCT APPROVAL TO BE OBTAINED FROM MIAMI-DADE PERA OR AHJ.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. WINDOW/DOOR FRAME MATERIAL: *PONDEROSA PINE OR EQUIVALENT (S.G.=0.45)*.
7. IN ACCORDANCE WITH 2014 FBC, WOOD COMPONENTS SHALL HAVE BEEN PRESERVATIVE TREATED OR SHALL BE OF A DURABLE SPECIES.
8. IN ACCORDANCE WITH THE 2014 FBC, DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED.
9. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:
   X: OPERABLE PANEL
   O: FIXED PANEL
11. CUSTOM SIZES AVAILABLE UPON REQUEST. CUSTOM DESIGN PRESSURE WILL BE ASSIGNED EQUAL TO NEXT LARGER STANDARD SIZE.
12. MULL ASSEMBLIES ARE QUALIFIED FOR TWO OR MORE UNITS PER OPENING IN THE FOLLOWING CONFIGURATIONS:
    - "ONE WAY" - RIBBON OR STACKED MULLIONS
    - "TWO WAY" - 'X' OR 'T' MULLIONS
13. GROUPS I, II, & III CONSIST OF 4-9/16" MULLIONS (ITEM #1A). GROUPS IV, V, & VI CONSIST OF 6-9/16" MULLIONS (ITEM #1B)

TABLE OF CONTENTS

PRODUCT ABBREVIATION KEY	
ABBREVIATION	**PRODUCT NAME**
Flexi =	Flexiframe Window
FW =	A Series Specialty Window
Arch. =	Specialty Window
APW =	A Series Picture Window
ATF =	A Series Transom/Fixed
AAN =	A Series Awning
ATV =	A Series Venting Transom
ACW =	A Series Casement
ADH =	A Series Double Hung
FWGD =	A Series Frenchwood Glider Door
FWOD =	A Series Frenchwood Outswing Door
FWHID =	A Series Frenchwood Inswing Door
FWSLT =	A Series Sidelite/Transom Door

MULLING INSTRUCTIONS:

- STEP 1: ESTABLISH MULL ASSEMBLY FRAME TYPES AND MULL CONFIGURATION.
- STEP 2: VERIFY MULL ASSEMBLY CONSTRUCTION FROM SHEETS 2-7 (REFER TO ABBREVIATION TABLE ABOVE) AND DETERMINE GROUP NUMBER.
- STEP 3: DETERMINE ALLOWABLE LOAD OF MULL ASSEMBLY FROM APPLICABLE LOAD TABLE BASED ON MULL GROUP NUMBER, REFER TO SHEETS 9-12.
- STEP 4: INSTALL MULLION BASED ON APPLICABLE SPECIFICATIONS SHOWN ON SHEET 8.

MISSILE IMPACT RATING
SMALL AND LARGE MISSILE IMPACT RATED

FL#: FL15922

Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: A SERIES REINFORCED MULLION ASSEMBLY GENERAL AND INSTALLATION NOTES

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

REVISIONS

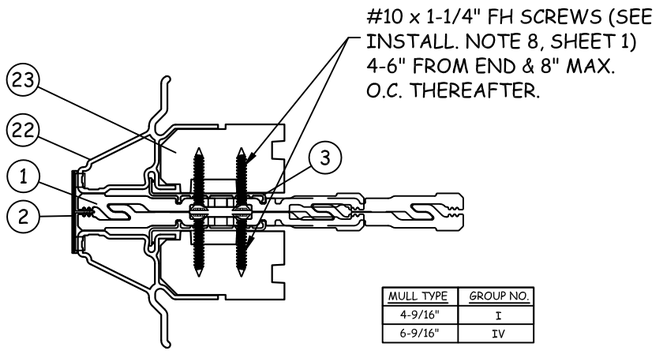
NO.	DESCRIPTION	BY	DATE
A	REV. TO ICNLUDE 6-9/16" MULL	MS	02.09.16
B	UPDATE MULL TABLES & T.O.C.	MS	07.11.16

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

DATE: 10.12.15 | DWN BY: LMS | CHK BY: HFN | SCALE: NTS

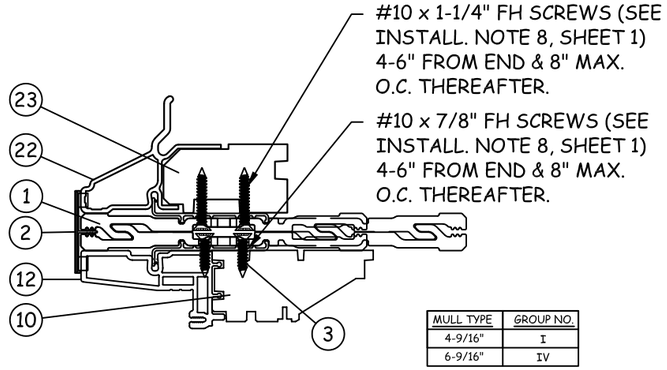
DWG #: AWD086

SHEET: 1 OF 15



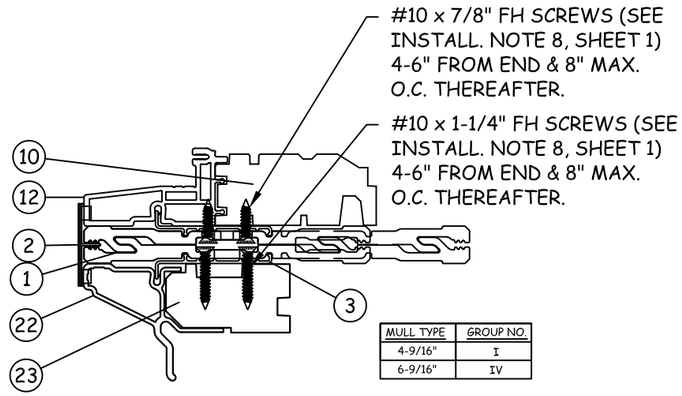
MULL TYPE	GROUP NO.
4-9/16"	I
6-9/16"	IV

A/2 FLEXI TO FLEXI
VERTICAL OR HORIZONTAL MULL



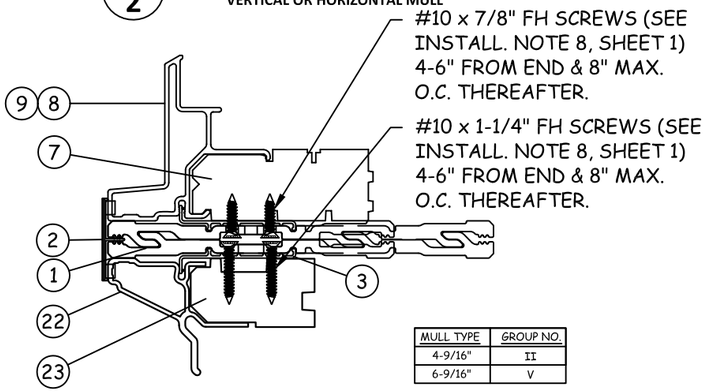
MULL TYPE	GROUP NO.
4-9/16"	I
6-9/16"	IV

B/2 FLEXI TO AAN/ATV/ACW
VERTICAL OR HORIZONTAL MULL



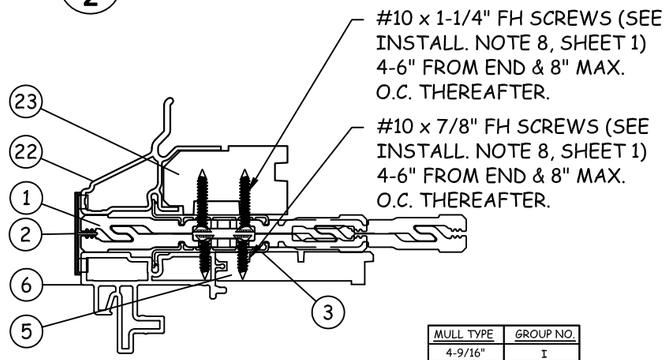
MULL TYPE	GROUP NO.
4-9/16"	I
6-9/16"	IV

C/2 AAN TO FLEXI
VERTICAL OR HORIZONTAL MULL



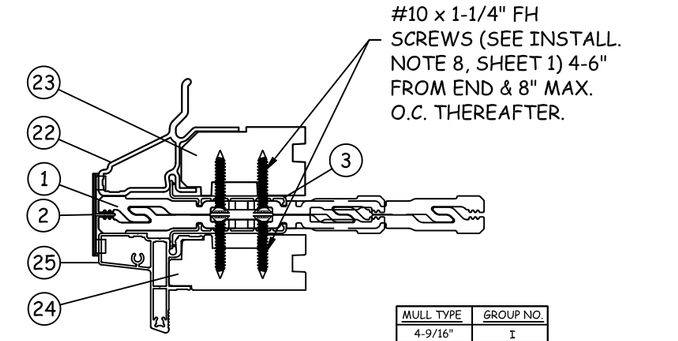
MULL TYPE	GROUP NO.
4-9/16"	II
6-9/16"	V

D/2 ATF/APW TO FLEXI
VERTICAL OR HORIZONTAL MULL



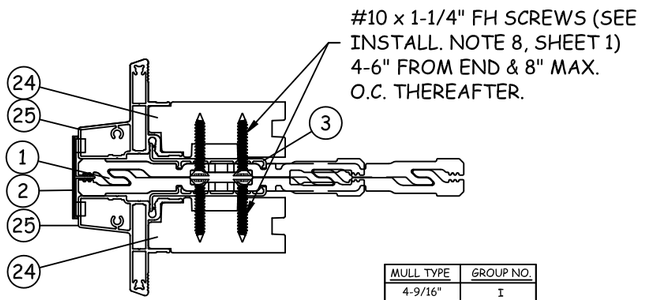
MULL TYPE	GROUP NO.
4-9/16"	I
6-9/16"	IV

E/2 FLEXI TO ADH
VERTICAL OR HORIZONTAL MULL



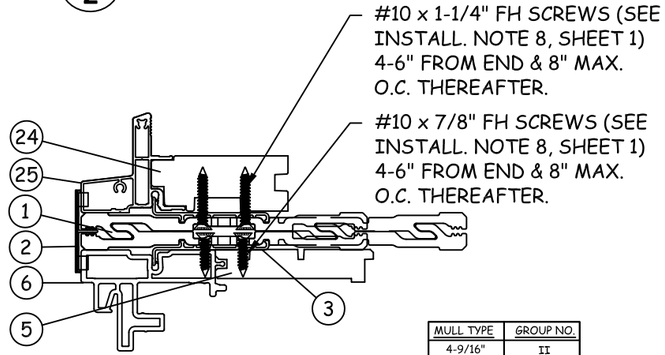
MULL TYPE	GROUP NO.
4-9/16"	I
6-9/16"	IV

F/2 FLEXI TO FW
VERTICAL OR HORIZONTAL MULL



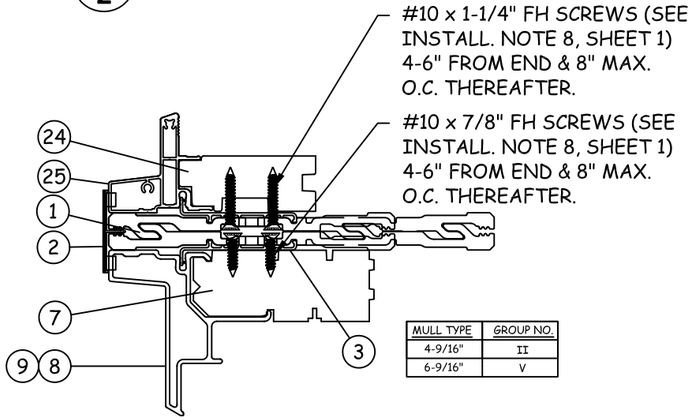
MULL TYPE	GROUP NO.
4-9/16"	I
6-9/16"	IV

G/2 FW TO FW
VERTICAL OR HORIZONTAL MULL



MULL TYPE	GROUP NO.
4-9/16"	II
6-9/16"	V

H/2 FW TO ADH
VERTICAL OR HORIZONTAL MULL



MULL TYPE	GROUP NO.
4-9/16"	II
6-9/16"	V

I/2 FW TO ATF/APW
VERTICAL OR HORIZONTAL MULL

Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: A SERIES REINFORCED MULLION ASSEMBLY
MULL ASSEMBLY SECTIONS (1)

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

REVISIONS

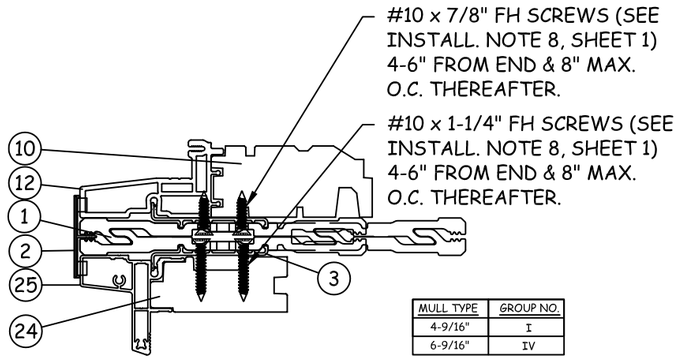
NO.	DESCRIPTION	BY	DATE
A	REV. TO ICNLUDE 6-9/16" MULL	MS	02.09.16

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

DATE: 10.12.15
DWN BY: LMS
CHK BY: HFN
SCALE: NTS

DWG #: AWD086

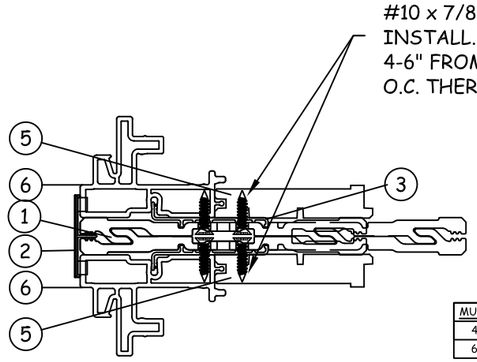
SHEET: 2 OF 15



MULL TYPE	GROUP NO.
4-9/16"	I
6-9/16"	IV

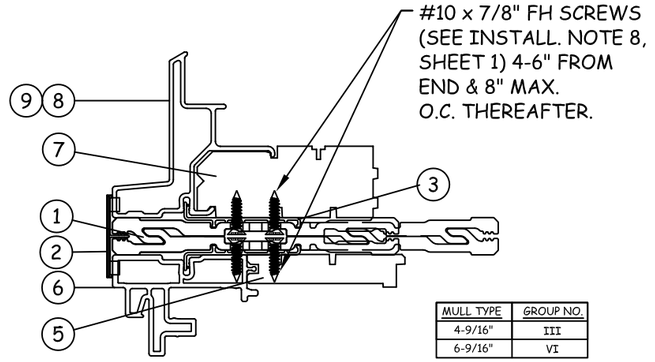
J/3 AAN/ATV TO FW
VERTICAL OR HORIZONTAL MULL

K/3 ACW TO FW
VERTICAL OR HORIZONTAL MULL



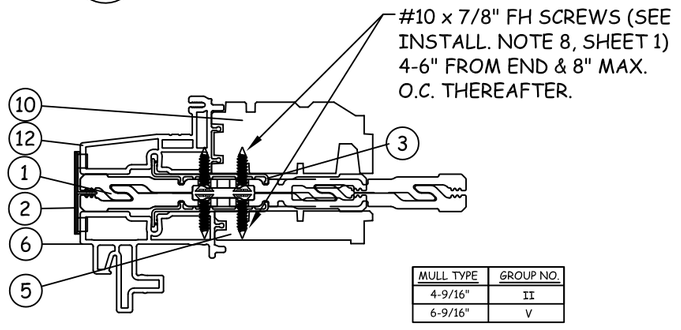
MULL TYPE	GROUP NO.
4-9/16"	III
6-9/16"	VI

L/3 ADH TO ADH
VERTICAL MULL



MULL TYPE	GROUP NO.
4-9/16"	III
6-9/16"	VI

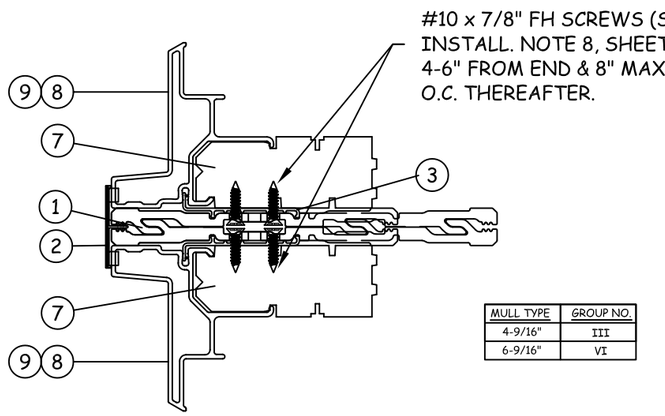
M/3 ATF/APW TO ADH
VERTICAL OR HORIZONTAL MULL



MULL TYPE	GROUP NO.
4-9/16"	II
6-9/16"	V

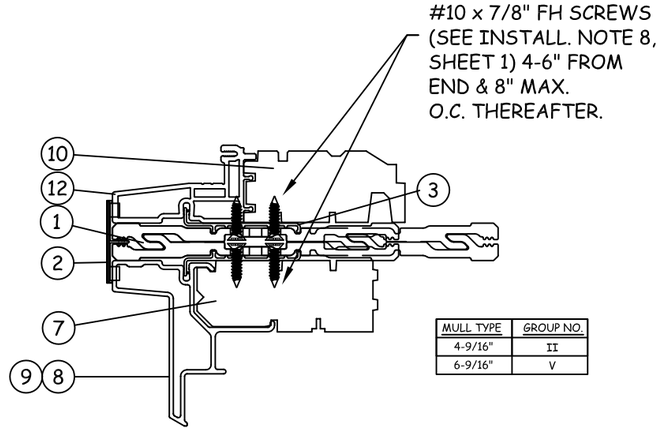
N/3 ATV TO ADH
HORIZONTAL MULL

O/3 ACW TO ADH
VERTICAL MULL



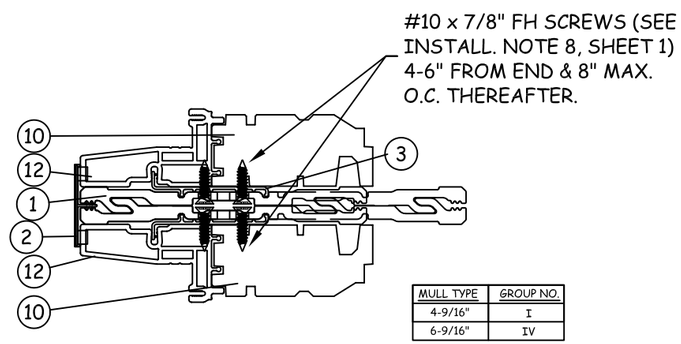
MULL TYPE	GROUP NO.
4-9/16"	III
6-9/16"	VI

P/3 ATF/APW TO ATF/APW
VERTICAL OR HORIZONTAL MULL



MULL TYPE	GROUP NO.
4-9/16"	II
6-9/16"	V

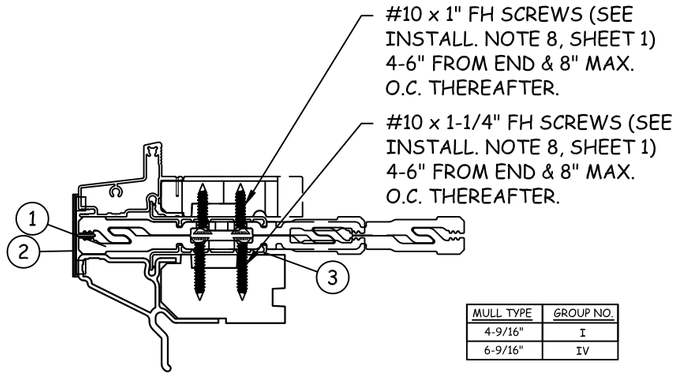
Q/3 ATV TO ATF/APW
VERTICAL OR HORIZONTAL MULL



MULL TYPE	GROUP NO.
4-9/16"	I
6-9/16"	IV

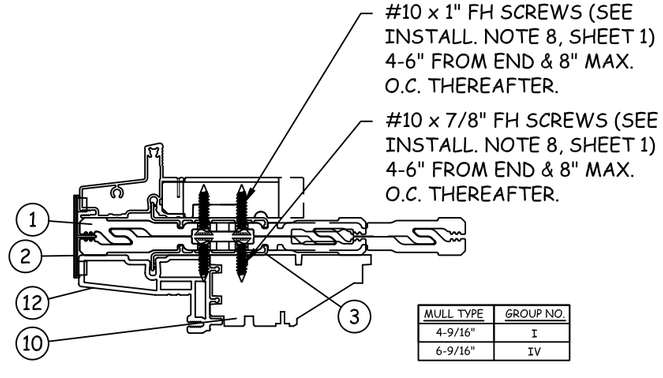
R/3 AAN/ATV TO AAN/ATV
VERTICAL OR HORIZONTAL MULL

S/3 ACW TO ACW
VERTICAL OR HORIZONTAL MULL



MULL TYPE	GROUP NO.
4-9/16"	I
6-9/16"	IV

T/3 ARCH. TO FLEXI
VERTICAL OR HORIZONTAL MULL



MULL TYPE	GROUP NO.
4-9/16"	I
6-9/16"	IV

U/3 ARCH. TO AAN/ATV
VERTICAL OR HORIZONTAL MULL

V/3 ARCH. TO ACW
VERTICAL OR HORIZONTAL

Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: A SERIES REINFORCED MULLION ASSEMBLY
MULL ASSEMBLY SECTIONS (2)

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

REVISIONS

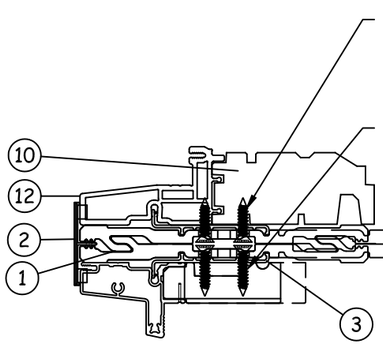
NO.	DESCRIPTION	BY	DATE
A	REV. TO ICNLUDE 6-9/16" MULL	MS	02.09.16

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

DATE: 10.12.15
DWN BY: LMS
CHK BY: HFN
SCALE: NTS

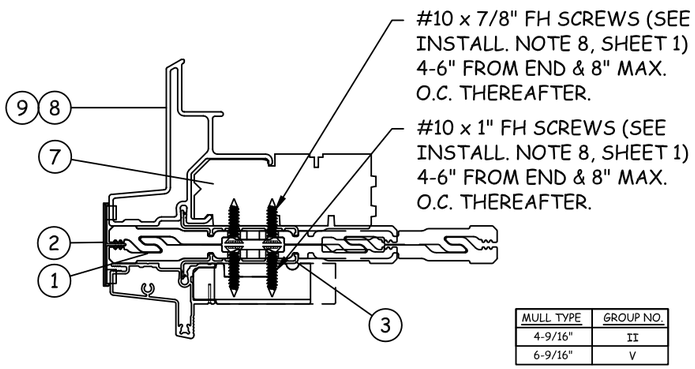
DWG #: AWD086

SHEET: 3 OF 15



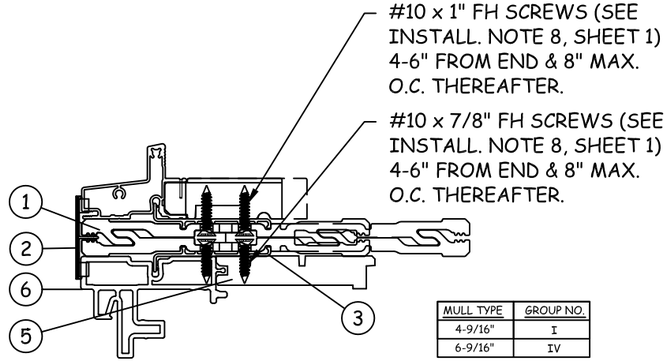
MULL TYPE	GROUP NO.
4-9/16"	I
6-9/16"	IV

W4 AAN TO ARCH.
HORIZONTAL MULL



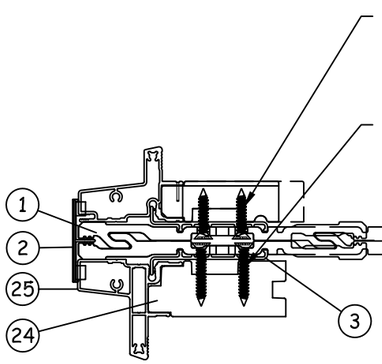
MULL TYPE	GROUP NO.
4-9/16"	II
6-9/16"	V

X4 ATF/APW TO ARCH.
VERTICAL OR HORIZONTAL MULL



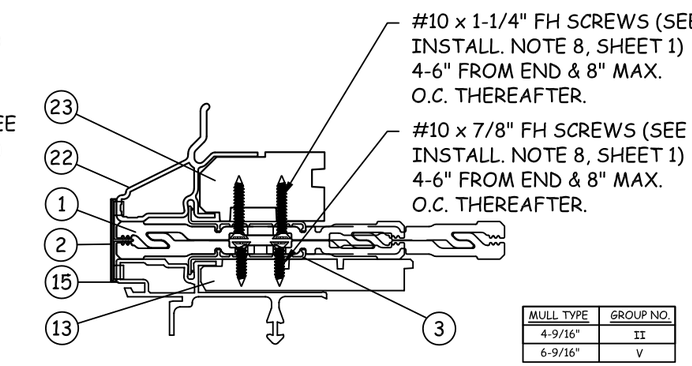
MULL TYPE	GROUP NO.
4-9/16"	I
6-9/16"	IV

Y4 ARCH. TO ADH
VERTICAL OR HORIZONTAL MULL



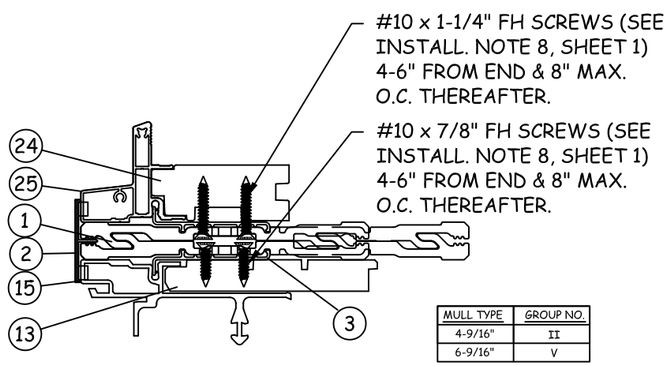
MULL TYPE	GROUP NO.
4-9/16"	I
6-9/16"	IV

Z4 ARCH TO FW
VERTICAL OR HORIZONTAL MULL



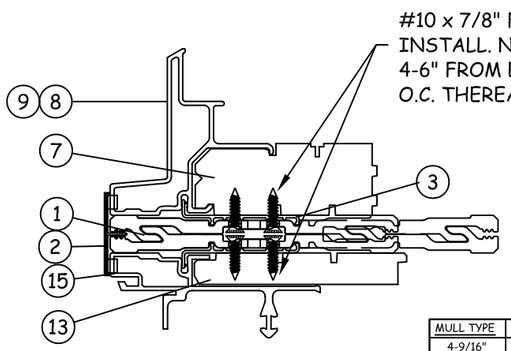
MULL TYPE	GROUP NO.
4-9/16"	II
6-9/16"	V

AA4 FLEXI TO FWGD
VERTICAL OR HORIZONTAL MULL



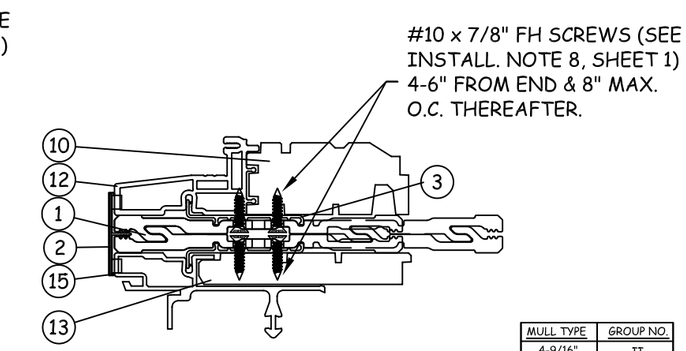
MULL TYPE	GROUP NO.
4-9/16"	II
6-9/16"	V

AB4 FW TO FWGD
VERTICAL OR HORIZONTAL MULL



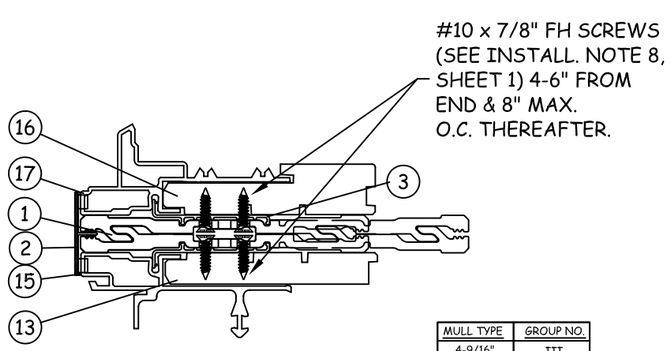
MULL TYPE	GROUP NO.
4-9/16"	III
6-9/16"	VI

AC4 ATF TO FWGD
VERTICAL OR HORIZONTAL MULL



MULL TYPE	GROUP NO.
4-9/16"	II
6-9/16"	V

AD4 ATV TO FWGD
VERTICAL OR HORIZONTAL MULL



MULL TYPE	GROUP NO.
4-9/16"	III
6-9/16"	VI

AE4 FWSLT TO FWGD
VERTICAL OR HORIZONTAL MULL

Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: A SERIES REINFORCED MULLION ASSEMBLY
MULL ASSEMBLY SECTIONS (3)

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

REVISIONS

NO.	DESCRIPTION	BY	DATE
A	REV. TO ICNLUDE 6-9/16" MULL	MS	02.09.16

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

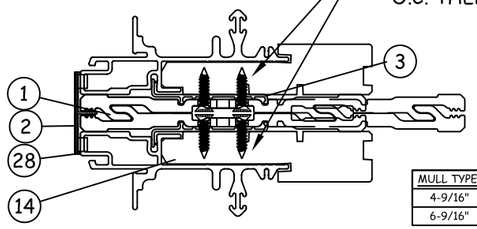
DATE: 10.12.15
DWN BY: LMS
CHK BY: HFN
SCALE: NTS

DWG #: AWD086

SHEET: 4 OF 15

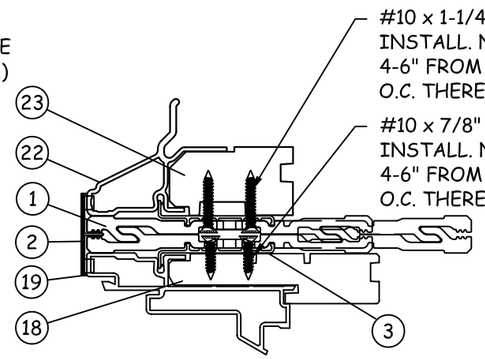
8/20/2016 7:02 PM

s:\projects\andersen windows\foc-16-0614.3 - a series reinforced mullion revision\dwgs\awd086.dwg



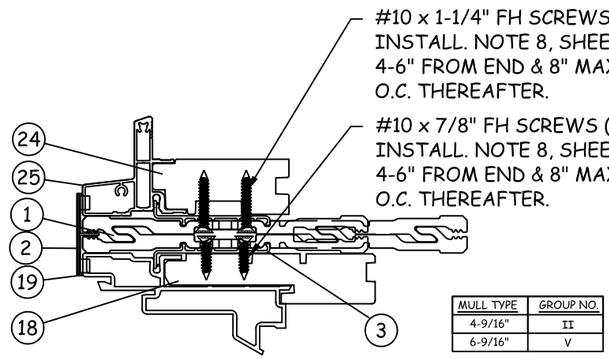
MULL TYPE	GROUP NO.
4-9/16"	II
6-9/16"	V

AF 5 FWGD TO FWGD
VERTICAL MULL



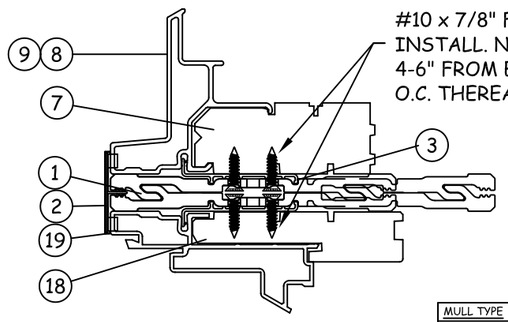
MULL TYPE	GROUP NO.
4-9/16"	II
6-9/16"	V

AG 5 FLEXI TO FWHID
VERTICAL OR HORIZONTAL MULL



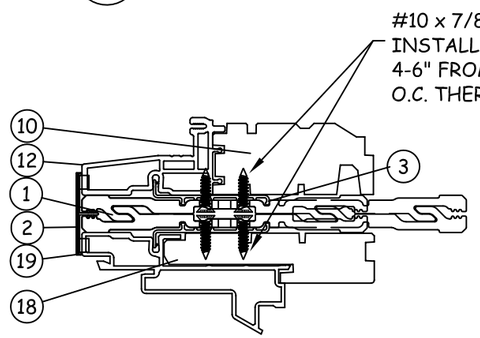
MULL TYPE	GROUP NO.
4-9/16"	II
6-9/16"	V

AH 5 FW TO FWHID
VERTICAL OR HORIZONTAL MULL



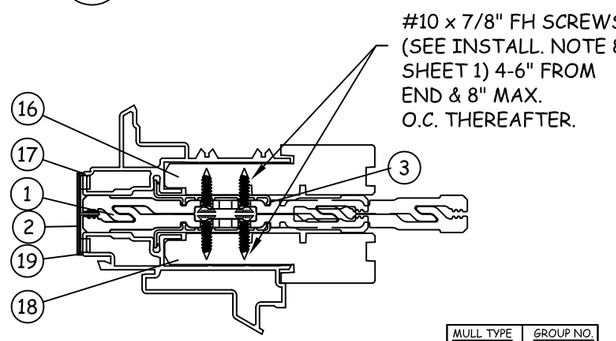
MULL TYPE	GROUP NO.
4-9/16"	III
6-9/16"	VI

AI 5 ATF TO FWHID
VERTICAL OR HORIZONTAL MULL



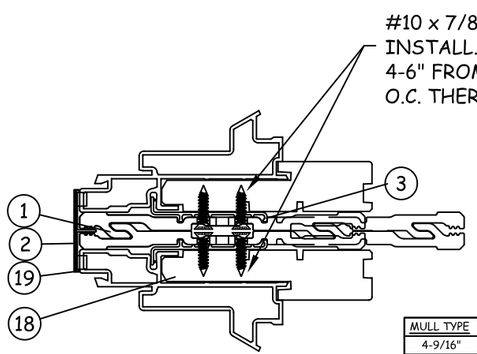
MULL TYPE	GROUP NO.
4-9/16"	II
6-9/16"	V

AJ 5 ATV TO FWHID
VERTICAL OR HORIZONTAL MULL



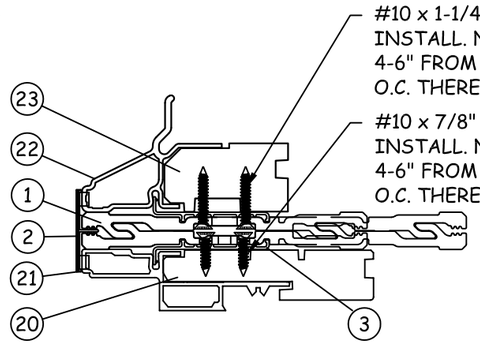
MULL TYPE	GROUP NO.
4-9/16"	III
6-9/16"	VI

AK 5 FWSLT TO FWHID
VERTICAL OR HORIZONTAL MULL



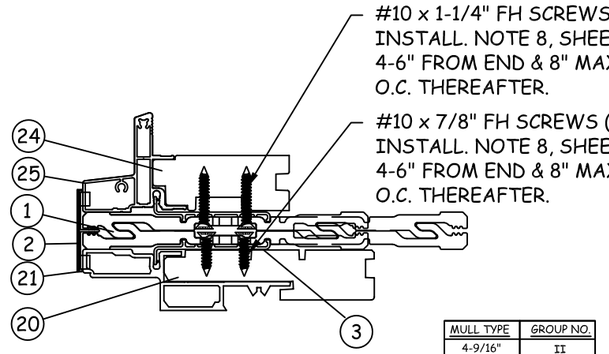
MULL TYPE	GROUP NO.
4-9/16"	III
6-9/16"	VI

AL 5 FWHID TO FWHID
VERTICAL MULL



MULL TYPE	GROUP NO.
4-9/16"	II
6-9/16"	V

AM 5 FLEXI TO FWOD
VERTICAL OR HORIZONTAL MULL



MULL TYPE	GROUP NO.
4-9/16"	II
6-9/16"	V

AN 5 FW TO FWOD
VERTICAL OR HORIZONTAL MULL

Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: A SERIES REINFORCED MULLION ASSEMBLY
MULL ASSEMBLY SECTIONS (4)

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

REVISIONS

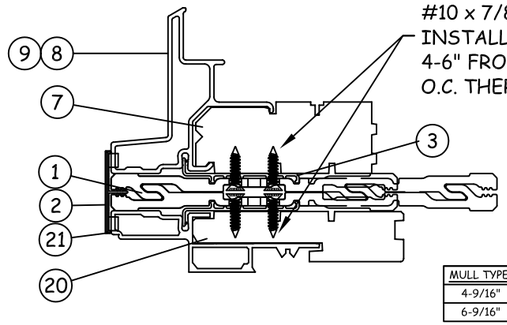
NO.	DESCRIPTION	BY	DATE
A	REV. TO ICNLUDE 6-9/16" MULL	MS	02.09.16

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

DATE: 10.12.15 | DWN BY: LMS | CHK BY: HFN | SCALE: NTS

DWG #: AWD086

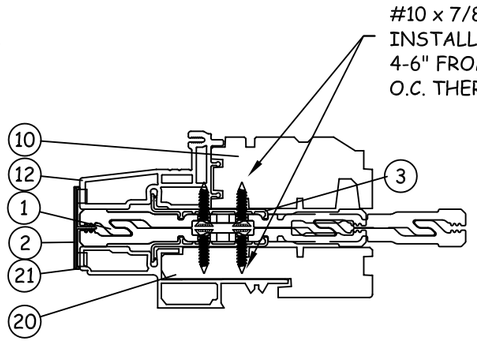
SHEET: 5 OF 15



MULL TYPE	GROUP NO.
4-9/16"	III
6-9/16"	VI

AO 6 ATF TO FWOD

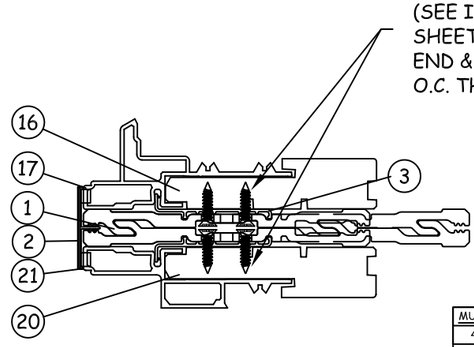
VERTICAL OR HORIZONTAL MULL



MULL TYPE	GROUP NO.
4-9/16"	II
6-9/16"	V

AP 6 ATV TO FWOD

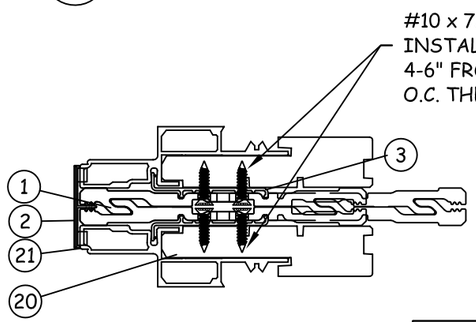
VERTICAL OR HORIZONTAL MULL



MULL TYPE	GROUP NO.
4-9/16"	III
6-9/16"	VI

AQ 6 FWSLT TO FWOD

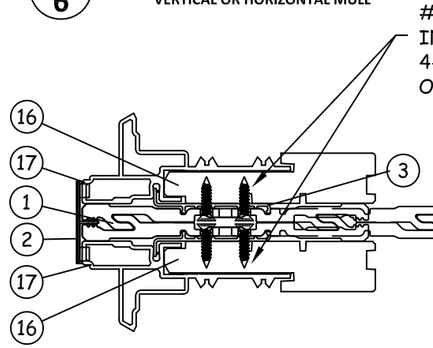
VERTICAL OR HORIZONTAL MULL



MULL TYPE	GROUP NO.
4-9/16"	II
6-9/16"	V

AR 6 FWOD TO FWOD

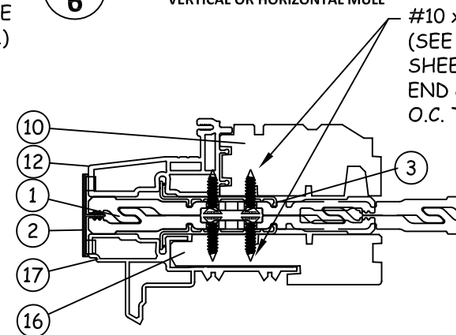
VERTICAL MULL



MULL TYPE	GROUP NO.
4-9/16"	III
6-9/16"	VI

AS 6 FWSLT TO FWSLT

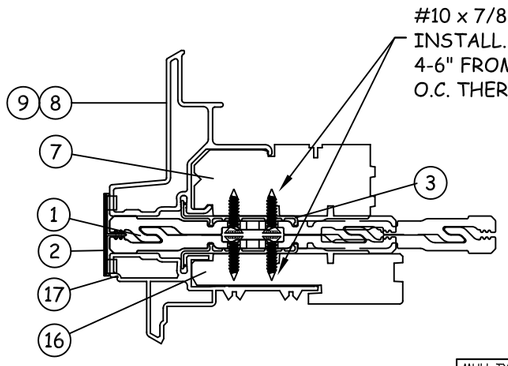
VERTICAL OR HORIZONTAL MULL



MULL TYPE	GROUP NO.
4-9/16"	II
6-9/16"	V

AT 6 ATV TO FWSLT

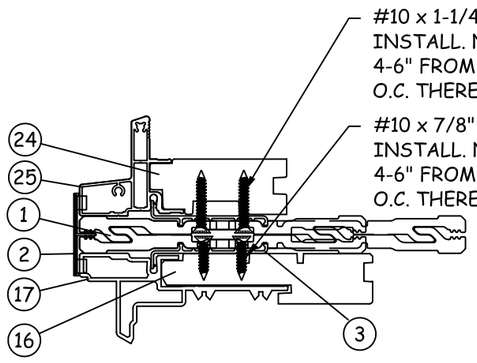
VERTICAL OR HORIZONTAL MULL



MULL TYPE	GROUP NO.
4-9/16"	III
6-9/16"	VI

AU 6 ATF TO FWSLT

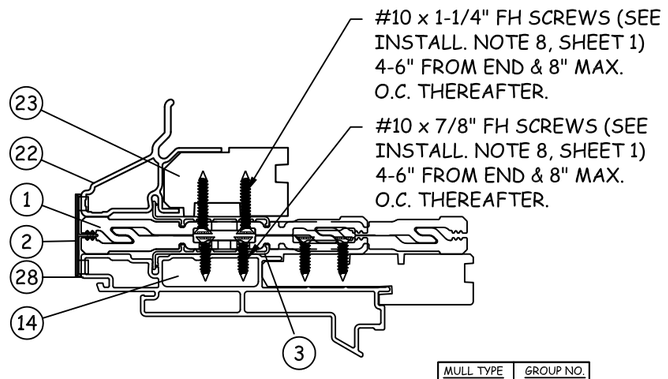
VERTICAL OR HORIZONTAL MULL



MULL TYPE	GROUP NO.
4-9/16"	II
6-9/16"	V

AV 6 FW TO FWSLT

VERTICAL OR HORIZONTAL MULL



MULL TYPE	GROUP NO.
4-9/16"	II
6-9/16"	V

AW 6 FLEXI TO FWHID

HORIZONTAL OR VERTICAL MULL

Andersen AW WINDOWS • DOORS

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

TITLE: A SERIES REINFORCED MULLION ASSEMBLY
MULL ASSEMBLY SECTIONS (5)

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

REVISIONS

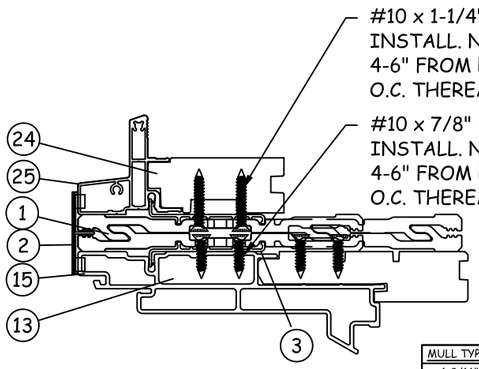
NO.	DESCRIPTION	BY	DATE
A	REV. TO ICNLUDE 6-9/16" MULL	MS	02.09.16

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

DATE: 10.12.15
DWN BY: LMS
CHK BY: HFN
SCALE: NTS

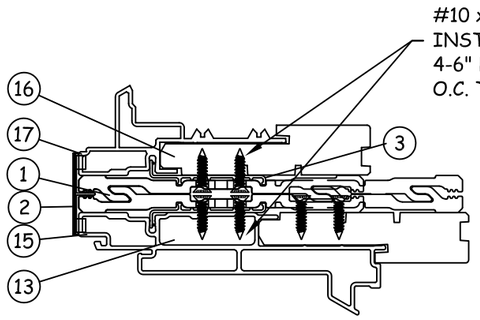
DWG #: AWD086

SHEET: 6 OF 15



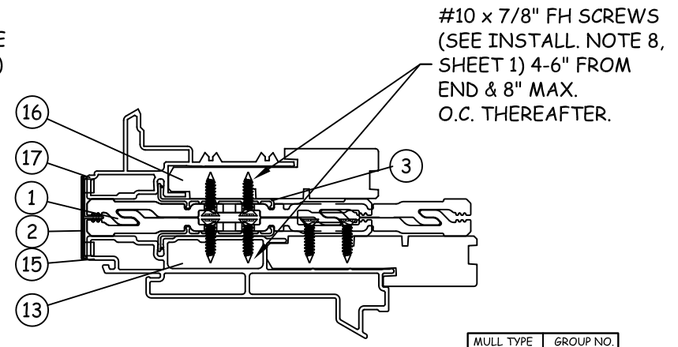
MULL TYPE	GROUP NO.
4-9/16"	II
6-9/16"	V

AX 7 **FW TO FWHID**
HORIZONTAL OR VERTICAL MULL



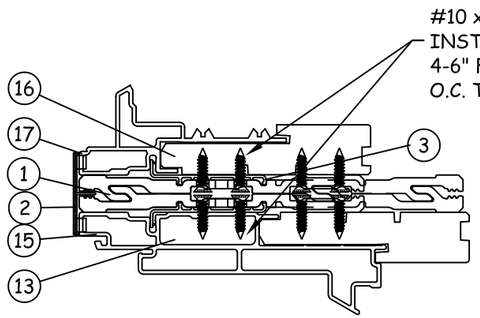
MULL TYPE	GROUP NO.
4-9/16"	III
6-9/16"	VI

AY 7 **ATF TO FWHID**
HORIZONTAL OR VERTICAL MULL



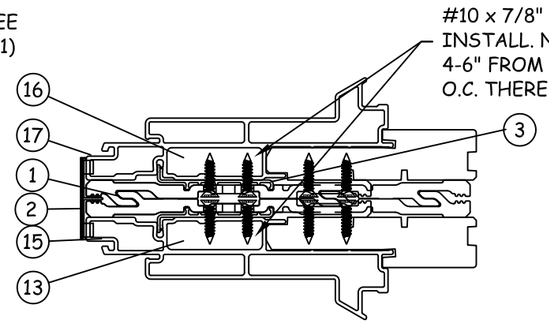
MULL TYPE	GROUP NO.
4-9/16"	II
6-9/16"	V

AZ 7 **ATV TO FWHID**
VERTICAL OR HORIZONTAL MULL



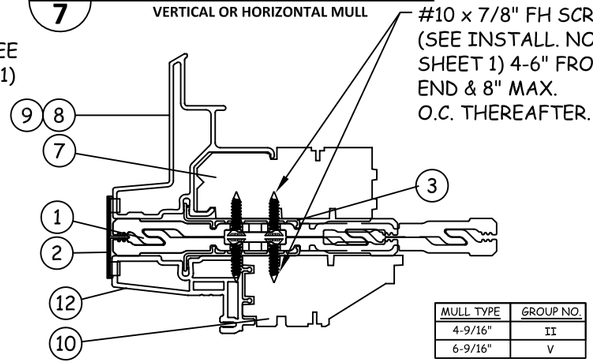
MULL TYPE	GROUP NO.
4-9/16"	III
6-9/16"	VI

BA 7 **FWSLT TO FWHID**
VERTICAL MULL



MULL TYPE	GROUP NO.
4-9/16"	III
6-9/16"	VI

BB 7 **FWHID TO FWHID**
VERTICAL MULL



MULL TYPE	GROUP NO.
4-9/16"	II
6-9/16"	V

BC 7 **ATF/APW TO ACW**
VERTICAL OR HORIZONTAL MULL

Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: A SERIES REINFORCED MULLION ASSEMBLY
MULL ASSEMBLY SECTIONS (6)

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

REVISIONS

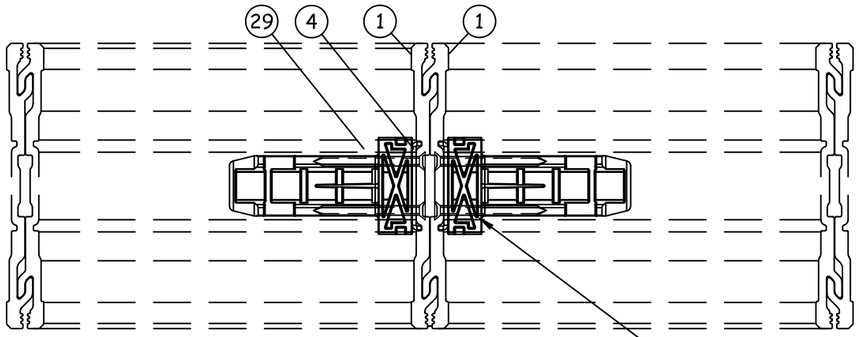
NO.	DESCRIPTION	BY	DATE
A	REV. TO ICNLUDE 6-9/16" MULL	MS	02.09.16

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

DATE: 10.12.15
DWN BY: LMS
CHK BY: HFN
SCALE: NTS

DWG #: AWD086

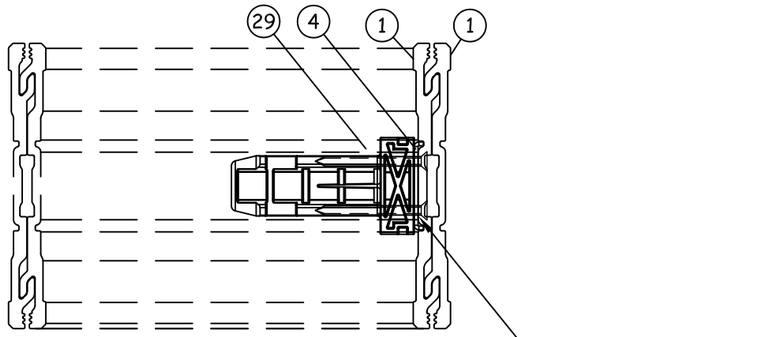
SHEET: 7 OF 15



BF 8 — **HORIZONTAL SECTION**

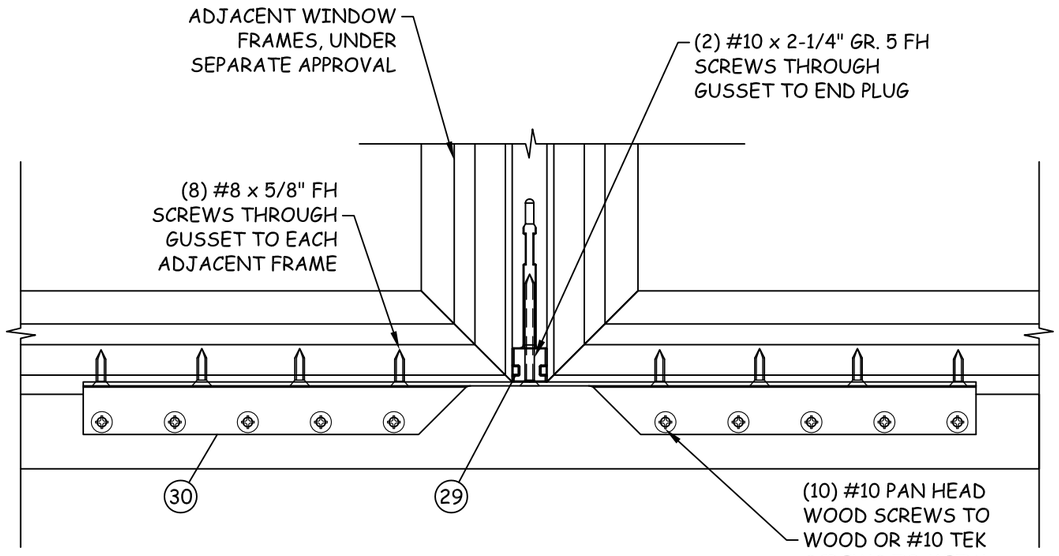
JOINING DETAIL
'X' MULLION JOINT

NOTE:
INSTALLATION DETAILS ARE APPLICABLE TO 6-9/16" REINFORCED MULLION ASSEMBLIES.



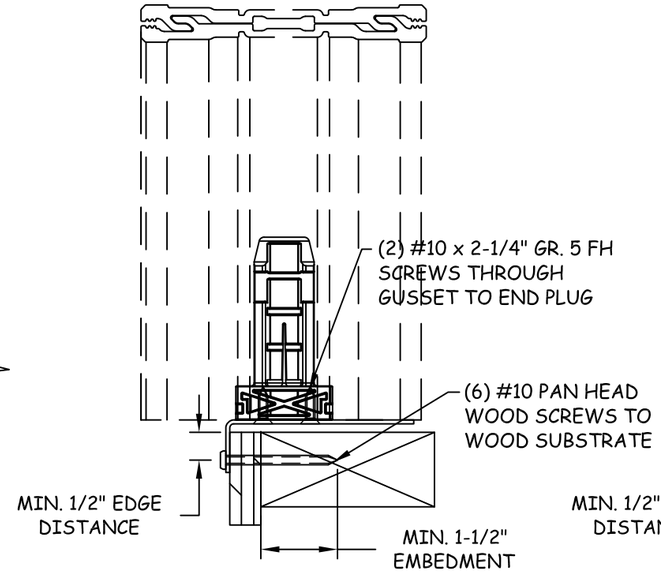
BG 8 — **HORIZONTAL SECTION**

JOINING DETAIL
'T' MULLION JOINT



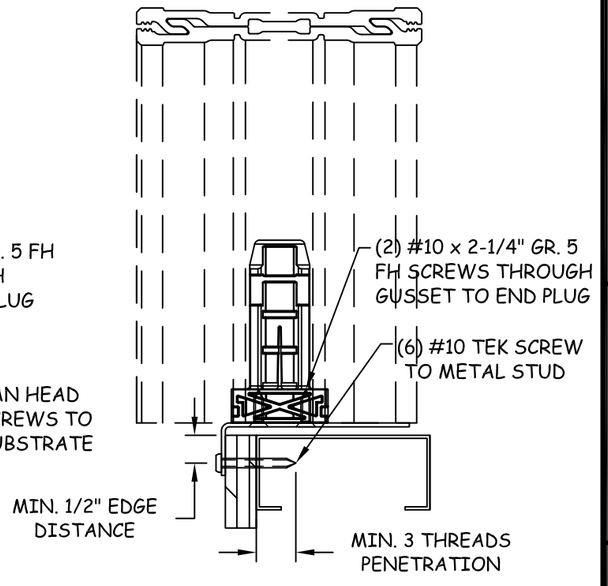
BC 8 — **EXTERIOR VIEW**

MULLION ANCHOR DETAIL
GUSSET INSTALLATION - TYP.



BD 8 — **VERTICAL SECTION**

MULLION ANCHOR DETAIL
GUSSET INSTALLATION - WOOD



BE 8 — **VERTICAL SECTION**

MULLION ANCHOR DETAIL
GUSSET INSTALLATION - METAL STUD

Andersen AW WINDOWS • DOORS

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

TITLE: A SERIES REINFORCED MULLION ASSEMBLY GUSSET INSTALLATION DETAILS

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

REVISIONS

NO.	DESCRIPTION	BY	DATE
A	REV. TO ICNLUDE 6-9/16" MULL	MS	02.09.16

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

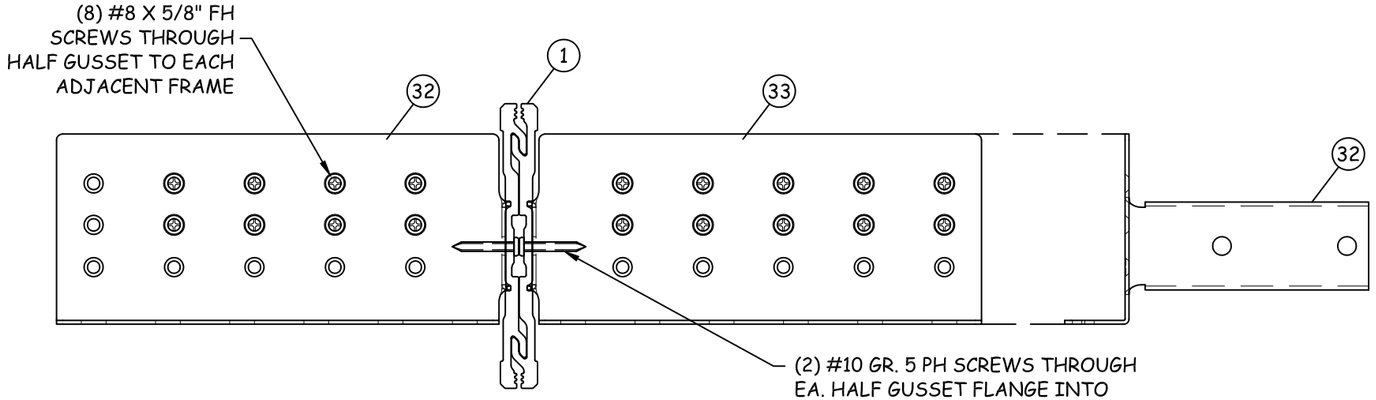
DATE: 10.12.15
DWN BY: LMS
CHK BY: HFN
SCALE: NTS

DWG #: AWD086

SHEET: 8 OF 15

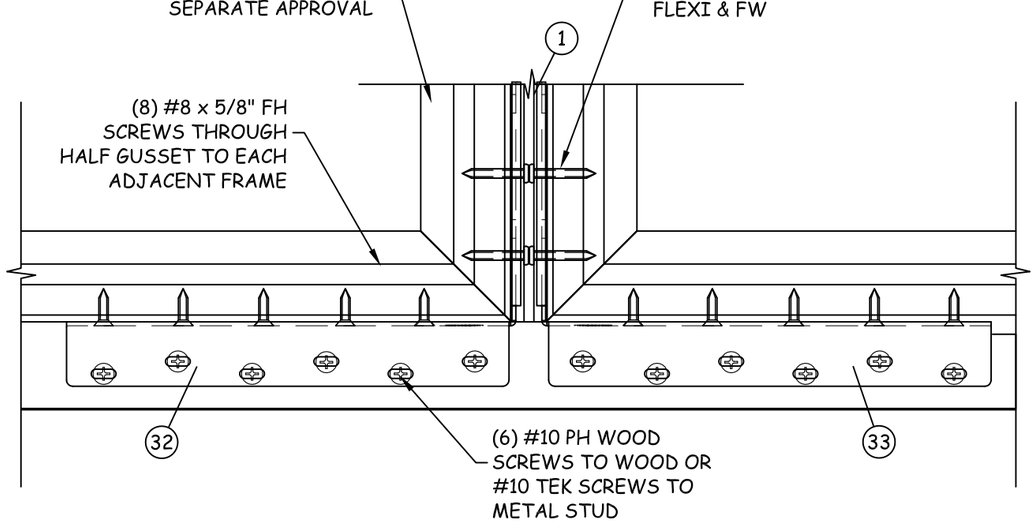
8/20/2016 7:02 PM

s:\projects\andersen windows\fbc-16-0614.3 - a series reinforced mullion revision\dwgs\awd086.dwg

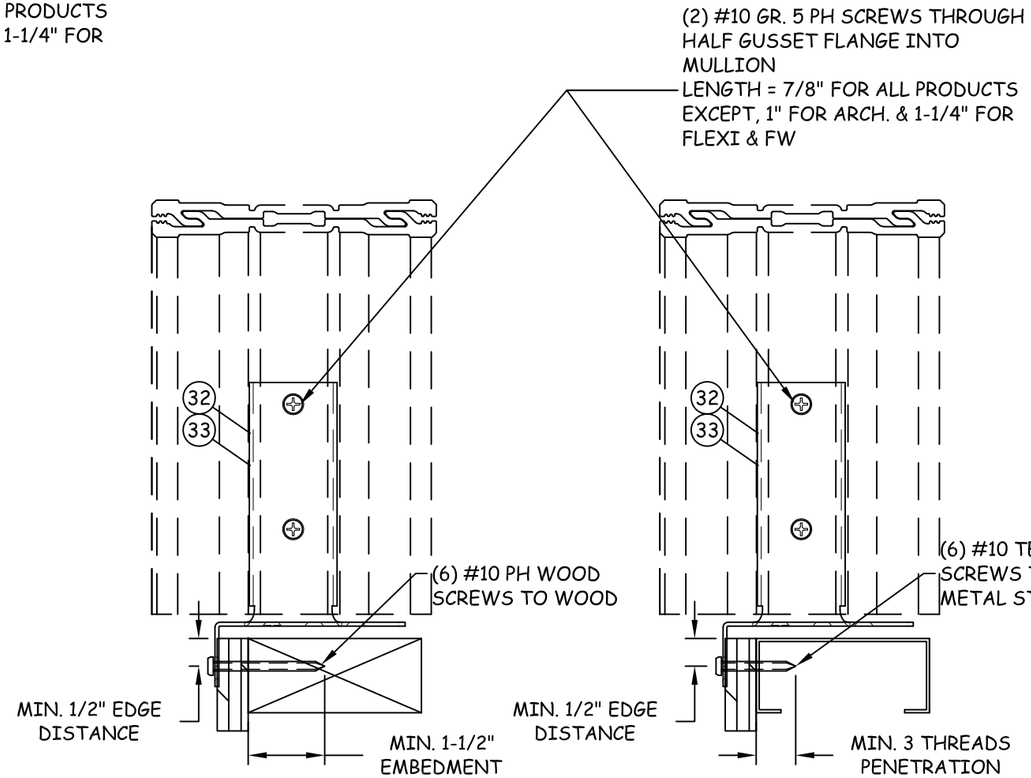


BK 9 — **PLAN VIEW**
MULLION ANCHOR DETAIL
HALF GUSSET INSTALLATION - TYP.

NOTE:
INSTALLATION DETAILS ARE APPLICABLE TO 6-9/16" REINFORCED MULLION ASSEMBLIES.



BH 9 — **EXTERIOR VIEW**
MULLION ANCHOR DETAIL
HALF GUSSET INSTALLATION - TYP.



BI 9 — **VERTICAL SECTION**
MULLION ANCHOR DETAIL
HALF GUSSET INSTALLATION - WOOD

BJ 9 — **VERTICAL SECTION**
MULLION ANCHOR DETAIL
HALF GUSSET INSTALLATION - METAL STUD

Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: A SERIES REINFORCED MULLION ASSEMBLY
HALF GUSSET INSTALLATION DETAILS

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

REVISIONS

NO.	DESCRIPTION	BY	DATE
A	REV. TO ICNLUDE 6-9/16" MULL	MS	02.09.16

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

DATE: 10.12.15
DWN BY: LMS
CHK BY: HFN
SCALE: NTS

DWG #: AWD086

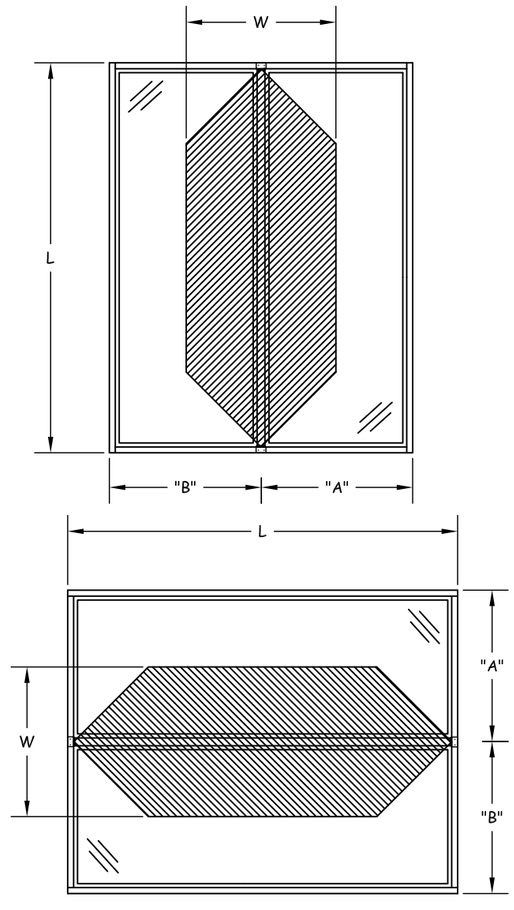
SHEET: 9 OF 15

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): GROUP I

L - Mull Length (in)	W - Tributary Width (in)																								
	18.0	***21.0***	***24.0***	***27.0***	***30.0***	***33.0***	***36.0***	***42.0***	***48.0***	***54.0***	***60.0***	***66.0***	***72.0***	***78.0***	***84.0***	***90.0***	***96.0***	***102.0***	***108.0***	***114.0***	***120.0***	***126.0***	***132.0***	***138.0***	***144.0***
24.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
30.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
36.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
42.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
48.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
54.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
60.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
66.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
72.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.8	93.4	91.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.3	90.8	85.4	81.7	79.2	77.8	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
84.0	100.0	100.0	100.0	100.0	100.0	100.0	99.0	88.9	81.7	75.1	70.2	66.7	64.3	62.9	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
90.0	100.0	100.0	100.0	100.0	100.0	96.6	89.4	78.2	70.1	64.1	59.6	56.2	53.8	52.1	51.1	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
96.0	100.0	100.0	100.0	100.0	92.3	84.5	78.0	68.1	60.8	55.4	51.3	48.1	45.7	44.0	42.8	42.1	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
102.0	100.0	100.0	100.0	90.0	81.4	74.5	68.7	59.8	53.3	48.4	44.7	41.7	39.5	37.7	36.5	35.6	35.1	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
108.0	100.0	100.0	89.6	80.0	72.4	66.2	61.0	53.0	47.2	42.7	39.3	36.6	34.5	32.8	31.5	30.6	29.9	29.5	29.4	29.4	29.4	29.4	29.4	29.4	29.4
114.0	100.0	91.5	80.3	71.7	64.8	59.2	54.6	47.3	42.0	38.0	34.8	32.4	30.4	28.8	27.6	26.6	25.9	25.4	25.1	25.0	25.0	25.0	25.0	25.0	25.0
120.0	95.9	82.5	72.4	64.6	58.3	53.3	49.1	42.5	37.7	34.0	31.1	28.9	27.0	25.5	24.4	23.4	22.7	22.1	21.7	21.5	21.4	21.4	21.4	21.4	21.4
126.0	87.0	74.7	65.6	58.5	52.8	48.2	44.4	38.4	34.0	30.7	28.0	25.9	24.2	22.8	21.7	20.8	20.1	19.5	19.1	18.7	18.6	18.5	18.5	18.5	18.5
132.0	79.2	68.0	59.7	53.2	48.0	43.8	40.3	34.9	30.9	27.8	25.3	23.4	21.8	20.5	19.5	18.6	17.9	17.3	16.9	16.5	16.3	16.1	16.1	16.1	16.1
138.0	69.4	59.6	52.3	46.7	42.2	38.5	35.5	30.7	27.2	24.5	22.4	20.7	19.3	18.2	17.2	16.5	15.8	15.3	-	-	-	-	-	-	-
144.0	61.0	52.4	46.0	41.0	37.1	33.8	31.1	26.9	23.8	21.4	19.6	18.1	16.8	15.8	-	-	-	-	-	-	-	-	-	-	-

NOTE:

1) **MULLION CHART APPLIES TO 4-9/16" (ITEM #1A) GROUP I REINFORCED COMPOSITE MULL ASSEMBLIES, WHEN MULLED IN ONE-WAY, STACK OR RIBBON, CONFIGURATIONS.**
2) **DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.**
3) **MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/180.**
4) **DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL OR MIAMI-DADE APPROVAL.**
5) **MULLION CHART APPLIES TO THE FOLLOWING INSTALLATION CONDITIONS:**
   - **GUSSET INSTALLATION TO WOOD OR METAL STUD**
   - **HALF GUSSET INSTALLATION TO WOOD OR METAL STUD.**
6) **TRIBUTARY WIDTH = W = (A+B)/2**
7) **REFER TO SHEETS 8 & 9 FOR INSTALLATION DETAILS.**
8) **WHEN WINDOWS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.**



$$\frac{A + B}{2} = W$$

Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: A SERIES REINFORCED MULLION ASSEMBLY ONE WAY LOAD TABLE: GROUP I

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

REVISIONS

NO.	DESCRIPTION	BY	DATE
A	REV. TO ICNLUDE 6-9/16" MULL	MS	02.09.16
B	UPDATE MULL TABLES & T.O.C.	MS	07.11.16

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

DATE: 10.12.15 | DWN BY: LMS | CHK BY: HFN | SCALE: NTS

DWG #: AWD086

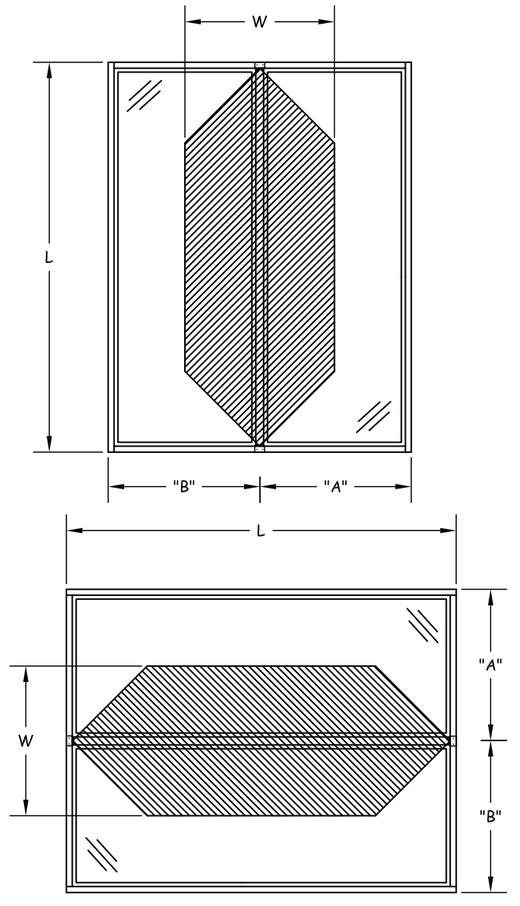
SHEET: 10 OF 15

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): GROUP II

L - Mull Length (in)	W - Tributary Width (in)																								
	18.0	***21.0***	***24.0***	***27.0***	***30.0***	***33.0***	***36.0***	***42.0***	***48.0***	***54.0***	***60.0***	***66.0***	***72.0***	***78.0***	***84.0***	***90.0***	***96.0***	***102.0***	***108.0***	***114.0***	***120.0***	***126.0***	***132.0***	***138.0***	***144.0***
24.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
30.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
36.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
42.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
48.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
54.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
60.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
66.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
72.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.8	93.4	91.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.3	90.8	85.4	81.7	79.2	77.8	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
84.0	100.0	100.0	100.0	100.0	100.0	100.0	99.0	88.9	81.7	76.4	72.6	69.9	68.1	67.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
90.0	100.0	100.0	100.0	100.0	100.0	97.0	90.8	81.2	74.3	69.2	65.4	62.5	60.5	59.1	58.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
96.0	100.0	100.0	100.0	100.0	96.8	89.7	83.8	74.7	68.1	63.2	59.4	56.6	54.5	52.9	51.8	50.9	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
102.0	100.0	100.0	100.0	98.5	90.2	83.4	77.8	69.2	62.8	58.1	54.1	50.5	47.8	45.7	44.2	43.1	42.4	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
108.0	100.0	100.0	100.0	92.2	84.3	77.9	72.6	64.2	57.1	51.7	47.6	44.3	41.7	39.7	38.2	37.0	36.2	35.7	35.6	35.6	35.6	35.6	35.6	35.6	35.6
114.0	100.0	100.0	96.1	86.7	78.5	71.7	66.1	57.3	50.9	46.0	42.2	39.2	36.8	34.9	33.4	32.2	31.4	30.7	30.4	30.2	30.2	30.2	30.2	30.2	30.2
120.0	100.0	95.1	83.5	74.6	67.4	61.6	56.9	49.4	43.9	39.7	36.4	33.9	31.8	30.2	28.9	27.8	27.0	26.4	26.0	25.8	25.7	25.7	25.7	25.7	25.7
126.0	95.4	82.0	72.0	64.3	58.1	53.1	48.9	42.5	37.7	34.0	31.2	28.9	27.1	25.6	24.4	23.5	22.7	22.1	21.7	21.4	21.2	21.1	21.1	21.1	21.1
132.0	82.9	71.3	62.6	55.8	50.4	46.1	42.4	36.8	32.6	29.4	26.9	24.9	23.3	22.0	20.9	20.0	19.3	18.7	18.3	18.0	17.7	17.6	17.5	17.5	17.5
138.0	72.5	62.3	54.7	48.8	44.1	40.2	37.0	32.1	28.4	25.6	23.4	21.6	20.2	19.0	18.0	17.2	16.6	16.0	15.6	15.3	15.0	-	-	-	-
144.0	63.8	54.8	48.1	42.9	38.7	35.3	32.5	28.1	24.9	22.4	20.4	18.9	17.6	16.5	15.6	-	-	-	-	-	-	-	-	-	-

NOTE:

1) **MULLION CHART APPLIES TO 4-9/16" (ITEM #1A) GROUP II REINFORCED COMPOSITE MULL ASSEMBLIES, WHEN MULLED IN ONE-WAY, STACK OR RIBBON, CONFIGURATIONS.**
2) **DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.**
3) **MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/180.**
4) **DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL OR MIAMI-DADE APPROVAL.**
5) **MULLION CHART APPLIES TO THE FOLLOWING INSTALLATION CONDITIONS:**
   - **GUSSET INSTALLATION TO WOOD OR METAL STUD**
   - **HALF GUSSET INSTALLATION TO WOOD OR METAL STUD.**
6) **TRIBUTARY WIDTH = W = (A+B)/2**
7) **REFER TO SHEETS 8 & 9 FOR INSTALLATION DETAILS.**
8) **WHEN WINDOWS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.**



$$\frac{A + B = W}{2}$$

Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: A SERIES REINFORCED MULLION ASSEMBLY ONE WAY LOAD TABLE: GROUP II

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

REVISIONS

NO.	DESCRIPTION	BY	DATE
A	REV. TO INCLUDE 6-9/16" MULL	MS	02.09.16
B	UPDATE MULL TABLES & T.O.C.	MS	07.11.16

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

DATE: 10.12.15 | DWN BY: LMS | CHK BY: HFN | SCALE: NTS

DWG #: AWD086

SHEET: 11 OF 15

8/20/2016 7:03 PM

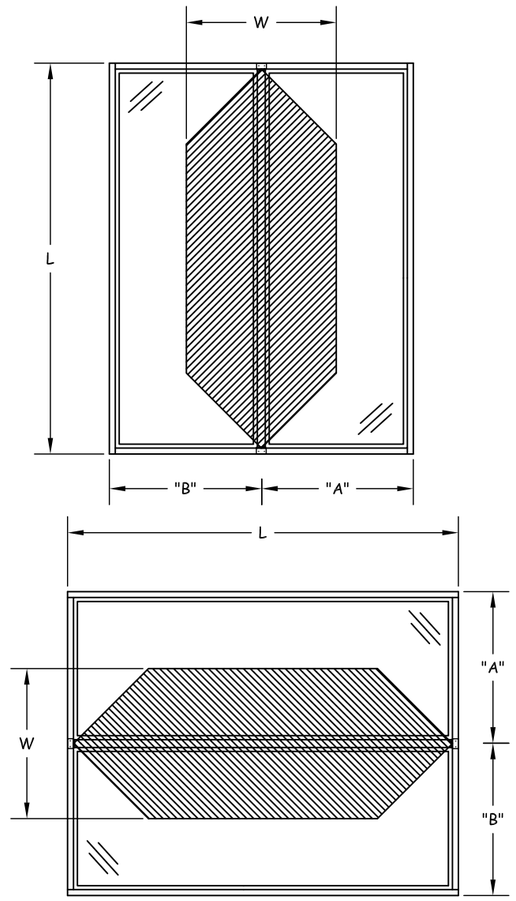
s:\projects\andersen windows\fbc-16-0614.3 - a series reinforced mullion revision\dwgs\awd086.dwg

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): GROUP III

L - Mull Length (in)	W - Tributary Width (in)																								
	18.0	***21.0***	***24.0***	***27.0***	***30.0***	***33.0***	***36.0***	***42.0***	***48.0***	***54.0***	***60.0***	***66.0***	***72.0***	***78.0***	***84.0***	***90.0***	***96.0***	***102.0***	***108.0***	***114.0***	***120.0***	***126.0***	***132.0***	***138.0***	***144.0***
24.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
30.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
36.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
42.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
48.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
54.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
60.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
66.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
72.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.8	93.4	91.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.3	90.8	85.4	81.7	79.2	77.8	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
84.0	100.0	100.0	100.0	100.0	100.0	100.0	99.0	88.9	81.7	76.4	72.6	69.9	68.1	67.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
90.0	100.0	100.0	100.0	100.0	100.0	97.0	90.8	81.2	74.3	69.2	65.4	62.5	60.5	59.1	58.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
96.0	100.0	100.0	100.0	100.0	96.8	89.7	83.8	74.7	68.1	63.2	59.4	56.6	54.5	52.9	51.9	51.3	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
102.0	100.0	100.0	100.0	98.5	90.2	83.4	77.8	69.2	62.8	58.1	54.5	51.7	49.5	47.9	46.7	45.9	45.4	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
108.0	100.0	100.0	100.0	92.2	84.3	77.9	72.6	64.4	58.4	53.8	50.3	47.5	45.4	43.7	42.4	41.2	40.3	39.8	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
114.0	100.0	100.0	96.1	86.7	79.2	73.1	68.1	60.2	54.5	49.5	45.6	42.5	40.0	38.1	36.5	35.4	34.5	33.9	33.6	33.4	33.4	33.4	33.4	33.4	33.4	33.4
120.0	100.0	100.0	88.5	79.0	71.5	65.4	60.3	52.4	46.5	42.1	38.6	35.9	33.7	32.0	30.6	29.5	28.7	28.0	27.6	27.3	27.2	27.2	27.2	27.2	27.2	27.2
126.0	100.0	86.9	76.3	68.1	61.6	56.3	51.9	45.0	39.9	36.1	33.1	30.6	28.7	27.2	25.9	24.9	24.1	23.5	23.0	22.7	22.5	22.4	22.4	22.4	22.4	22.4
132.0	87.9	75.5	66.3	59.2	53.5	48.8	45.0	39.0	34.6	31.2	28.5	26.4	24.7	23.3	22.1	21.2	20.5	19.9	19.4	19.1	18.8	18.7	18.6	18.6	18.6	18.6
138.0	76.8	66.0	58.0	51.7	46.7	42.6	39.3	34.0	30.1	27.1	24.8	22.9	21.4	20.1	19.1	18.2	17.6	17.0	16.5	16.2	15.9	15.7	15.6	15.6	15.6	15.6
144.0	67.6	58.1	51.0	45.4	41.0	37.5	34.5	29.8	26.4	23.7	21.7	20.0	18.6	17.5	16.6	15.8	15.2	-	-	-	-	-	-	-	-	-

NOTE:

1) **MULLION CHART APPLIES TO 4-9/16" (ITEM #1A) GROUP III REINFORCED COMPOSITE MULL ASSEMBLIES, WHEN MULLED IN ONE-WAY, STACK OR RIBBON, CONFIGURATIONS.**
2) **DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.**
3) **MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/180.**
4) **DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL OR MIAMI-DADE APPROVAL.**
5) **MULLION CHART APPLIES TO THE FOLLOWING INSTALLATION CONDITIONS:**
   - **GUSSET INSTALLATION TO WOOD OR METAL STUD**
   - **HALF GUSSET INSTALLATION TO WOOD OR METAL STUD.**
6) **TRIBUTARY WIDTH = W = (A+B)/2**
7) **REFER TO SHEETS 8 & 9 FOR INSTALLATION DETAILS.**
8) **WHEN WINDOWS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.**



$$\frac{A + B}{2} = W$$

Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: A SERIES REINFORCED MULLION ASSEMBLY ONE WAY LOAD TABLE: GROUP III

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

REVISIONS

NO.	DESCRIPTION	BY	DATE
A	REV. TO ICNLUDE 6-9/16" MULL	MS	02.09.16
B	UPDATE MULL TABLES & T.O.C.	MS	07.11.16

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

DATE: 10.12.15 | DWN BY: LMS | CHK BY: HFN | SCALE: NTS

DWG #: AWD086

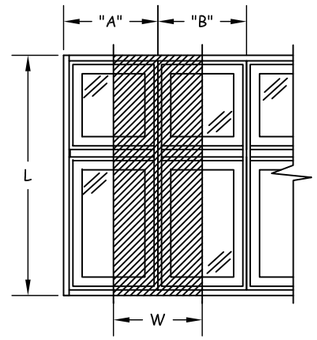
SHEET: 12 OF 15

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): GROUP I, II, OR III (TWO-WAY CONFIGURATIONS)

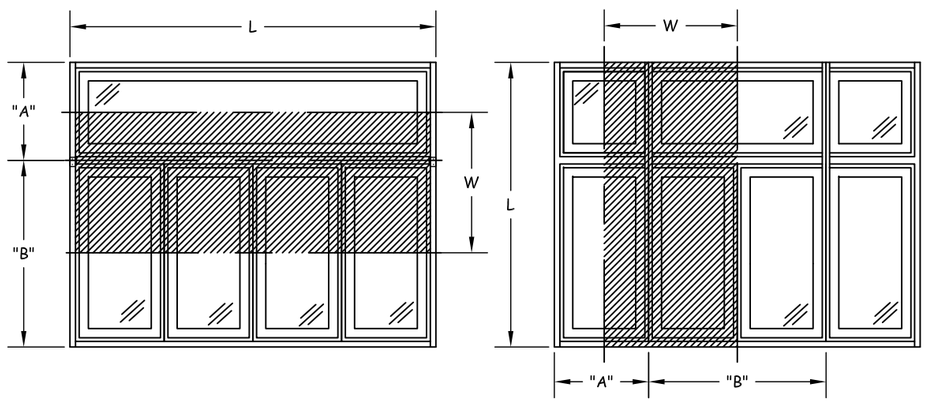
L - Mull Length (in)	W - Tributary Width (in)																							
	18.0	***21.0***	***24.0***	***27.0***	***30.0***	***33.0***	***36.0***	***42.0***	***48.0***	***54.0***	***60.0***	***66.0***	***72.0***	***78.0***	***84.0***	***90.0***	***96.0***	***102.0***	***108.0***	***114.0***	***120.0***	***126.0***	***132.0***	***138.0***	***144.0***
24.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.1	90.8	86.0	81.7	77.8	74.3	71.0	68.1
30.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	93.4	87.1	81.7	76.9	72.6	68.8	65.4	62.2	59.4	56.8	54.5
36.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.0	90.8	83.8	77.8	72.6	68.1	64.1	60.5	57.3	54.5	51.9	49.5	47.4	45.4
42.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	93.4	84.9	77.8	71.8	66.7	62.2	58.4	54.9	51.9	49.1	46.7	44.5	42.4	40.6	38.9
48.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	90.8	81.7	74.3	68.1	62.8	58.4	54.5	51.1	48.1	45.4	43.0	40.9	38.9	37.1	35.5	34.0
54.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	90.8	80.7	72.6	66.0	60.5	55.9	51.9	48.4	45.4	42.7	40.3	38.2	36.3	34.6	33.0	31.6	30.3
60.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	93.4	81.7	72.6	65.4	59.4	54.5	50.3	46.7	43.6	40.9	38.4	36.3	34.4	32.7	31.1	29.7	28.4	27.2
66.0	100.0	100.0	100.0	100.0	100.0	100.0	99.0	84.9	74.3	66.0	59.4	54.0	49.5	45.7	42.4	39.6	37.1	35.0	33.0	31.3	29.7	28.3	27.0	25.8	24.8
72.0	100.0	100.0	100.0	100.0	100.0	99.0	90.8	77.8	68.1	60.5	54.5	49.5	45.4	41.9	38.9	36.3	34.0	32.0	30.3	28.7	27.2	25.9	24.8	23.7	22.7
78.0	100.0	100.0	100.0	100.0	100.0	91.4	83.8	71.8	62.8	55.9	50.3	45.7	41.9	38.7	35.9	33.5	31.4	29.6	27.9	26.5	25.1	23.9	22.9	21.9	20.9
84.0	100.0	100.0	100.0	100.0	93.4	84.9	77.8	66.7	58.4	51.9	46.7	42.4	38.9	35.9	33.3	31.1	29.2	27.5	25.9	24.6	23.3	22.2	21.2	20.3	19.5
90.0	100.0	100.0	100.0	96.8	87.1	79.2	72.6	62.2	54.5	48.4	43.6	39.6	36.3	33.5	31.1	29.0	27.2	25.6	24.2	22.9	21.8	20.7	19.8	18.9	18.2
96.0	100.0	100.0	100.0	90.0	81.0	73.6	67.5	57.8	50.6	45.0	40.5	36.8	33.7	31.1	28.9	27.0	25.3	23.8	22.5	21.3	20.2	19.3	18.4	17.6	16.9
102.0	100.0	100.0	89.6	79.7	71.7	65.2	59.8	51.2	44.8	39.8	35.9	32.6	29.9	27.5	25.6	23.9	22.4	21.1	19.9	18.9	17.9	17.1	16.3	15.6	-
108.0	100.0	91.4	80.0	71.1	64.0	58.2	53.3	45.7	40.0	35.5	32.0	29.1	26.7	24.5	22.8	21.3	20.0	18.8	17.8	16.8	16.0	15.2	-	-	-
114.0	95.7	82.0	71.8	63.8	57.4	52.2	47.8	41.0	35.9	31.9	28.7	26.1	23.9	22.1	20.5	19.1	17.9	16.9	15.9	15.1	-	-	-	-	-
120.0	86.4	74.0	64.8	57.6	51.8	47.1	43.2	37.0	32.4	28.8	25.9	23.6	21.6	19.9	18.5	17.3	16.2	15.2	-	-	-	-	-	-	-
126.0	78.3	67.1	58.7	52.2	47.0	42.7	39.2	33.6	29.4	26.1	23.5	21.4	19.6	18.1	16.8	15.7	-	-	-	-	-	-	-	-	-
132.0	71.4	61.2	53.5	47.6	42.8	38.9	35.7	30.6	26.8	23.8	21.4	19.5	17.8	16.5	15.3	-	-	-	-	-	-	-	-	-	-
138.0	65.3	56.0	49.0	43.5	39.2	35.6	32.6	28.0	24.5	21.8	19.6	17.8	16.3	15.1	-	-	-	-	-	-	-	-	-	-	-
144.0	60.0	51.4	45.0	40.0	36.0	32.7	30.0	25.7	22.5	20.0	18.0	16.4	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTE:

1) **MULLION CHART APPLIES TO 4-9/16" (ITEM #1A) GROUP I, II, OR III REINFORCED COMPOSITE MULL ASSEMBLIES, WHEN MULLED IN TWO-WAY, 'X' OR 'T', CONFIGURATIONS.**
2) **DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.**
3) **MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/180.**
4) **DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL OR MIAMI-DADE APPROVAL.**
5) **MULLION CHART APPLIES TO THE FOLLOWING INSTALLATION CONDITIONS:**
   - **V-NOTCH GUSSET INSTALLATION TO WOOD OR METAL STUD**
   - **HALF GUSSET INSTALLATION TO WOOD OR METAL STUD.**
6) **TRIBUTARY WIDTH = W = (A+B)/2**
7) **REFER TO SHEETS 8 OR 9 FOR INSTALLATION DETAILS.**
8) **WHEN WINDOWS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.**



$$\frac{A + B}{2} = W$$



Andersen AW WINDOWS • DOORS

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

TITLE: A SERIES REINFORCED MULLION ASSEMBLY
TWO WAY
LOAD TABLE: GROUP I, II, III

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

REVISIONS

NO.	DESCRIPTION	BY	DATE
A	REV. TO INCLUDE 6-9/16" MULL	MS	02.09.16
B	UPDATE MULL TABLES & T.O.C.	MS	07.11.16

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

DATE: 10.12.15
DWN BY: LMS
CHK BY: HFN
SCALE: NTS

DWG #: AWD086

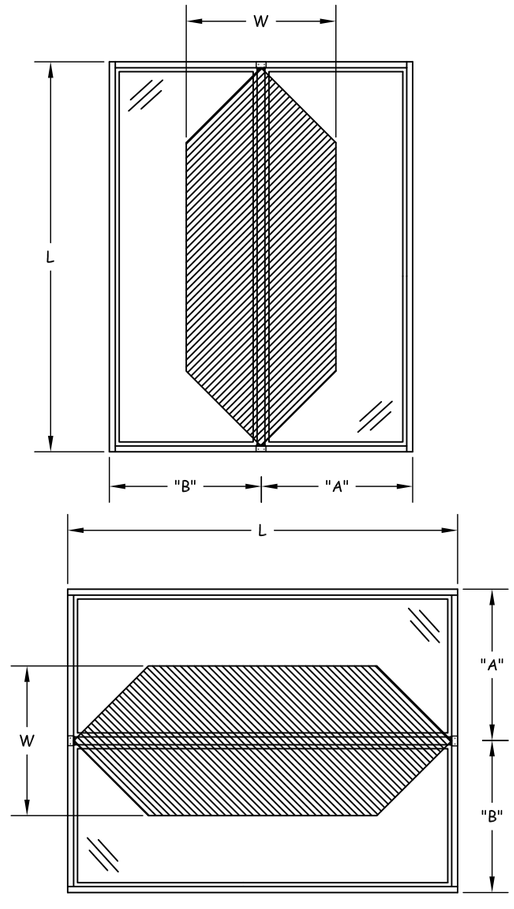
SHEET: 13 OF 15

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): GROUP IV

L - Mull Length (in)	W - Tributary Width (in)																								
	18.0	***21.0***	***24.0***	***27.0***	***30.0***	***33.0***	***36.0***	***42.0***	***48.0***	***54.0***	***60.0***	***66.0***	***72.0***	***78.0***	***84.0***	***90.0***	***96.0***	***102.0***	***108.0***	***114.0***	***120.0***	***126.0***	***132.0***	***138.0***	***144.0***
24.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
30.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
36.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
42.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
48.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
54.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
60.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
66.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
72.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
84.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.9	92.1	88.6	86.3	85.0	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.2	87.7	82.9	79.3	76.7	75.0	74.0	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.7	86.3	80.1	75.3	71.8	69.1	67.1	65.8	65.0	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
102.0	100.0	100.0	100.0	100.0	100.0	100.0	98.7	87.7	79.7	73.7	69.1	65.5	62.8	60.7	59.2	58.2	57.6	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
108.0	100.0	100.0	100.0	100.0	100.0	98.8	92.1	81.7	74.0	68.2	63.8	60.3	57.6	55.4	53.8	52.6	51.8	51.3	51.2	51.2	51.2	51.2	51.2	51.2	51.2
114.0	100.0	100.0	100.0	100.0	100.0	92.7	86.3	76.4	69.1	63.5	59.2	55.8	53.1	51.0	49.3	48.0	47.1	46.4	46.0	45.9	45.9	45.9	45.9	45.9	45.9
120.0	100.0	100.0	100.0	100.0	94.7	87.4	81.3	71.8	64.8	59.4	55.3	52.0	49.3	47.2	45.3	43.5	42.1	41.1	40.4	40.0	39.8	39.8	39.8	39.8	39.8
126.0	100.0	100.0	100.0	98.2	89.6	82.6	76.7	67.7	60.9	55.8	51.8	48.1	45.0	42.4	40.3	38.6	37.3	36.2	35.4	34.8	34.5	34.4	34.4	34.4	34.4
132.0	100.0	100.0	100.0	93.3	85.0	78.3	72.7	64.0	56.9	51.3	46.9	43.4	40.5	38.2	36.2	34.6	33.3	32.2	31.4	30.7	30.3	30.0	29.9	29.9	29.9
138.0	100.0	100.0	95.4	85.1	76.9	70.2	64.6	56.0	49.6	44.6	40.8	37.7	35.2	33.1	31.4	30.0	28.9	28.0	27.2	26.6	26.2	25.9	25.7	25.6	25.6
144.0	100.0	95.6	83.9	74.8	67.6	61.7	56.8	49.1	43.4	39.1	35.7	32.9	30.7	28.8	27.3	26.0	25.0	24.1	23.4	22.9	22.4	22.1	21.8	21.7	21.6

NOTE:

1) **MULLION CHART APPLIES TO 6-9/16" (ITEM #1B) GROUP IV REINFORCED COMPOSITE MULL ASSEMBLIES, WHEN MULLED IN ONE-WAY, STACK OR RIBBON, CONFIGURATIONS.**
2) **DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.**
3) **MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/180.**
4) **DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL OR MIAMI-DADE APPROVAL.**
5) **MULLION CHART APPLIES TO THE FOLLOWING INSTALLATION CONDITIONS:**
   - **GUSSET INSTALLATION TO WOOD OR METAL STUD**
   - **HALF GUSSET INSTALLATION TO WOOD OR METAL STUD.**
6) **TRIBUTARY WIDTH = W = (A+B)/2**
7) **REFER TO SHEETS 8 & 9 FOR INSTALLATION DETAILS.**
8) **WHEN WINDOWS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.**



$$\frac{A + B}{2} = W$$

Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: A SERIES REINFORCED MULLION ASSEMBLY ONE WAY LOAD TABLE: GROUP IV

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

REVISIONS

NO.	DESCRIPTION	BY	DATE
A	REV. TO ICNLUDE 6-9/16" MULL	MS	02.09.16
B	UPDATE MULL TABLES & T.O.C.	MS	07.11.16

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

DATE: 10.12.15 | DWN BY: LMS | CHK BY: HFN | SCALE: NTS

DWG #: AWD086

SHEET: 14 OF 15

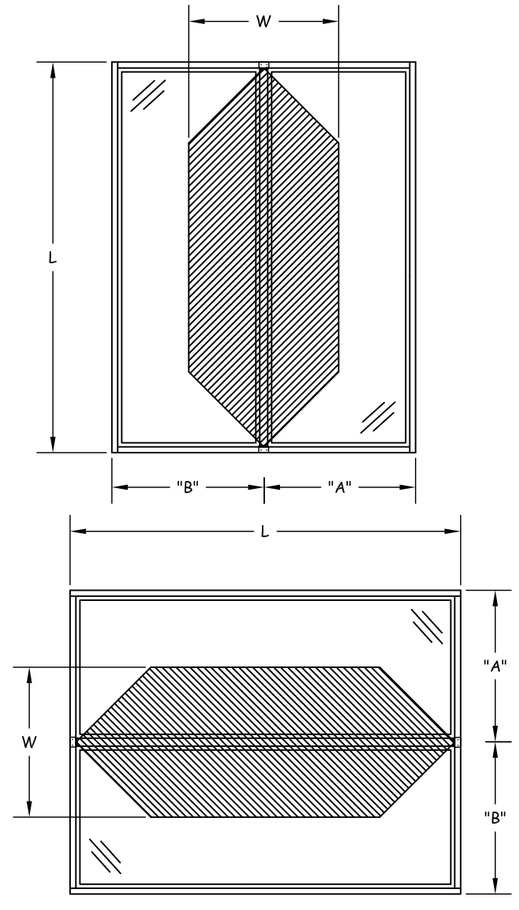
MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): GROUP V

L - Mull Length (in)	W - Tributary Width (in)																								
	18.0	***21.0***	***24.0***	***27.0***	***30.0***	***33.0***	***36.0***	***42.0***	***48.0***	***54.0***	***60.0***	***66.0***	***72.0***	***78.0***	***84.0***	***90.0***	***96.0***	***102.0***	***108.0***	***114.0***	***120.0***	***126.0***	***132.0***	***138.0***	***144.0***
24.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
30.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
36.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
42.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
48.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
54.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
60.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
66.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
72.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
84.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.9	92.1	88.6	86.3	85.0	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.2	87.7	82.9	79.3	76.7	75.0	74.0	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.7	86.3	80.1	75.3	71.8	69.1	67.1	65.8	65.0	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
102.0	100.0	100.0	100.0	100.0	100.0	100.0	98.7	87.7	79.7	73.7	69.1	65.5	62.8	60.7	59.2	58.2	57.6	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
108.0	100.0	100.0	100.0	100.0	100.0	98.8	92.1	81.7	74.0	68.2	63.8	60.3	57.6	55.4	53.8	52.6	51.8	51.3	51.2	51.2	51.2	51.2	51.2	51.2	51.2
114.0	100.0	100.0	100.0	100.0	100.0	92.7	86.3	76.4	69.1	63.5	59.2	55.8	53.1	51.0	49.3	48.0	47.1	46.4	46.0	45.9	45.9	45.9	45.9	45.9	45.9
120.0	100.0	100.0	100.0	100.0	94.7	87.4	81.3	71.8	64.8	59.4	55.3	52.0	49.3	47.2	45.5	44.2	43.2	42.4	41.9	41.5	41.4	41.4	41.4	41.4	41.4
126.0	100.0	100.0	100.0	98.2	89.6	82.6	76.7	67.7	60.9	55.8	51.8	48.6	46.0	44.0	42.3	40.9	39.8	38.9	38.0	37.4	37.0	36.9	36.9	36.9	36.9
132.0	100.0	100.0	100.0	93.3	85.0	78.3	72.7	64.0	57.6	52.6	48.5	44.9	42.0	39.5	37.7	36.1	34.8	33.8	33.0	32.4	32.0	31.8	31.6	31.6	31.6
138.0	100.0	100.0	98.6	88.0	79.5	72.5	66.8	57.8	51.2	46.1	42.1	38.9	36.3	34.2	32.5	31.0	29.9	28.9	28.1	27.5	27.1	26.8	26.6	26.5	26.5
144.0	100.0	98.8	86.7	77.3	69.8	63.7	58.7	50.8	44.9	40.4	36.9	34.0	31.7	29.8	28.2	26.9	25.8	24.9	24.2	23.6	23.1	22.8	22.6	22.4	22.3

NOTE:

1) **MULLION CHART APPLIES TO 6-9/16" (ITEM #1B) GROUP V REINFORCED COMPOSITE MULL ASSEMBLIES, WHEN MULLED IN ONE-WAY, STACK OR RIBBON, CONFIGURATIONS.**
2) **DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.**
3) **MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/180.**
4) **DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL OR MIAMI-DADE APPROVAL.**
5) **MULLION CHART APPLIES TO THE FOLLOWING INSTALLATION CONDITIONS:**
   - **GUSSET INSTALLATION TO WOOD OR METAL STUD**
   - **HALF GUSSET INSTALLATION TO WOOD OR METAL STUD.**
6) **TRIBUTARY WIDTH = W = (A+B)/2**
7) **REFER TO SHEETS 8 & 9 FOR INSTALLATION DETAILS.**
8) **WHEN WINDOWS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.**

$$\frac{A + B}{2} = W$$



Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: A SERIES REINFORCED MULLION ASSEMBLY
ONE WAY
LOAD TABLE: GROUP V

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

REVISIONS

NO.	DESCRIPTION	BY	DATE
A	REV. TO INCLUDE 6-9/16" MULL	MS	02.09.16
B	UPDATE MULL TABLES & T.O.C.	MS	07.11.16

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

DATE: 10.12.15
DWN BY: LMS
CHK BY: HFN
SCALE: NTS

DWG #: AWD086

SHEET: 15 OF 15

8/20/2016 7:03 PM

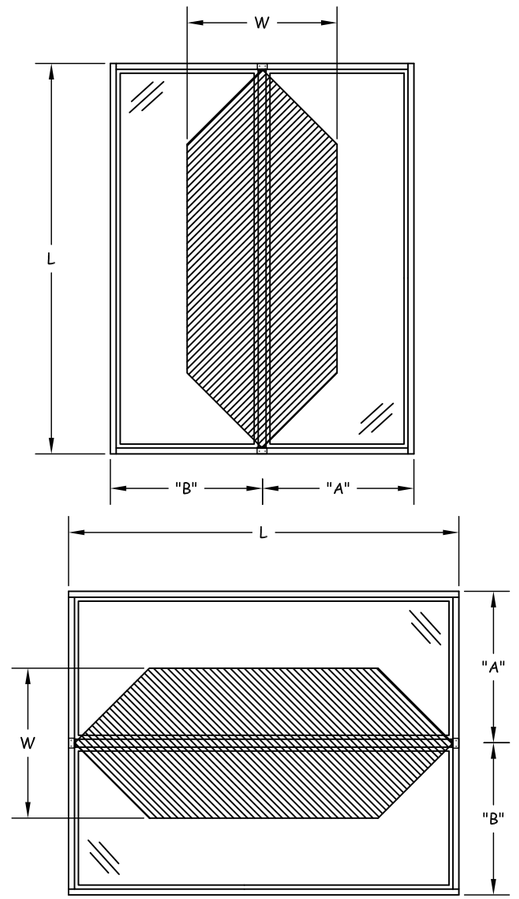
s:\projects\andersen windows\fbc-16-0614.3 - a series reinforced mullion revision\dwgs\awd086.dwg

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): GROUP VI

L - Mull Length (in)	W - Tributary Width (in)																								
	18.0	***21.0***	***24.0***	***27.0***	***30.0***	***33.0***	***36.0***	***42.0***	***48.0***	***54.0***	***60.0***	***66.0***	***72.0***	***78.0***	***84.0***	***90.0***	***96.0***	***102.0***	***108.0***	***114.0***	***120.0***	***126.0***	***132.0***	***138.0***	***144.0***
24.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
30.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
36.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
42.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
48.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
54.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
60.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
66.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
72.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
84.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.9	92.1	88.6	86.3	85.0	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.2	87.7	82.9	79.3	76.7	75.0	74.0	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.7	86.3	80.1	75.3	71.8	69.1	67.1	65.8	65.0	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
102.0	100.0	100.0	100.0	100.0	100.0	100.0	98.7	87.7	79.7	73.7	69.1	65.5	62.8	60.7	59.2	58.2	57.6	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
108.0	100.0	100.0	100.0	100.0	100.0	98.8	92.1	81.7	74.0	68.2	63.8	60.3	57.6	55.4	53.8	52.6	51.8	51.3	51.2	51.2	51.2	51.2	51.2	51.2	51.2
114.0	100.0	100.0	100.0	100.0	100.0	92.7	86.3	76.4	69.1	63.5	59.2	55.8	53.1	51.0	49.3	48.0	47.1	46.4	46.0	45.9	45.9	45.9	45.9	45.9	45.9
120.0	100.0	100.0	100.0	100.0	94.7	87.4	81.3	71.8	64.8	59.4	55.3	52.0	49.3	47.2	45.5	44.2	43.2	42.4	41.9	41.5	41.4	41.4	41.4	41.4	41.4
126.0	100.0	100.0	100.0	98.2	89.6	82.6	76.7	67.7	60.9	55.8	51.8	48.6	46.0	44.0	42.3	40.9	39.8	39.0	38.4	37.9	37.7	37.6	37.6	37.6	37.6
132.0	100.0	100.0	100.0	93.3	85.0	78.3	72.7	64.0	57.6	52.6	48.8	45.7	43.1	40.7	38.7	37.0	35.7	34.7	33.9	33.3	32.9	32.6	32.5	32.5	32.5
138.0	100.0	100.0	93.7	88.8	80.9	74.4	68.6	59.4	52.6	47.4	43.3	40.0	37.3	35.1	33.3	31.9	30.7	29.7	28.9	28.3	27.8	27.5	27.3	27.2	27.2
144.0	100.0	100.0	89.0	79.4	71.7	65.4	60.2	52.1	46.1	41.5	37.8	34.9	32.5	30.6	29.0	27.6	26.5	25.6	24.8	24.2	23.8	23.4	23.2	23.0	22.9

NOTE:

1) **MULLION CHART APPLIES TO 6-9/16" (ITEM #1B) GROUP VI REINFORCED COMPOSITE MULL ASSEMBLIES, WHEN MULLED IN ONE-WAY, STACK OR RIBBON, CONFIGURATIONS.**
2) **DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.**
3) **MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/180.**
4) **DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL OR MIAMI-DADE APPROVAL.**
5) **MULLION CHART APPLIES TO THE FOLLOWING INSTALLATION CONDITIONS:**
   - **GUSSET INSTALLATION TO WOOD OR METAL STUD**
   - **HALF GUSSET INSTALLATION TO WOOD OR METAL STUD.**
6) **TRIBUTARY WIDTH = W = (A+B)/2**
7) **REFER TO SHEETS 8 & 9 FOR INSTALLATION DETAILS.**
8) **WHEN WINDOWS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.**



$$\frac{A + B}{2} = W$$

Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: A SERIES REINFORCED MULLION ASSEMBLY ONE WAY LOAD TABLE: GROUP VI

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

REVISIONS

NO.	DESCRIPTION	BY	DATE
A	REV. TO INCLUDE 6-9/16" MULL	MS	02.09.16
B	UPDATE MULL TABLES & T.O.C.	MS	07.11.16

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

DATE: 10.12.15 | DWN BY: LMS | CHK BY: HFN | SCALE: NTS

DWG #: AWD086

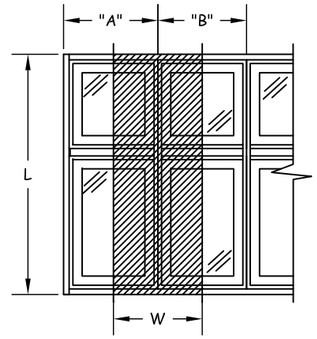
SHEET: 16 OF 15

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): GROUP IV, V, OR VI (TWO-WAY CONFIGURATIONS)

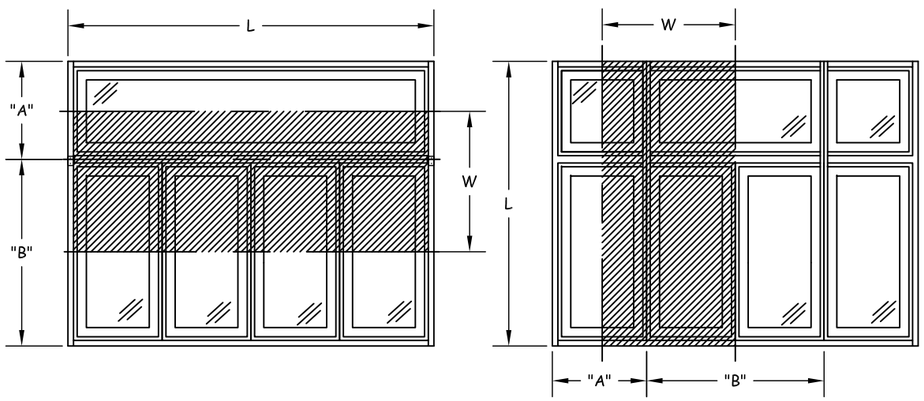
L - Mull Length (in)	W - Tributary Width (in)																								
	18.0	***21.0***	***24.0***	***27.0***	***30.0***	***33.0***	***36.0***	***42.0***	***48.0***	***54.0***	***60.0***	***66.0***	***72.0***	***78.0***	***84.0***	***90.0***	***96.0***	***102.0***	***108.0***	***114.0***	***120.0***	***126.0***	***132.0***	***138.0***	***144.0***
24.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.7	94.2	90.1	86.3
30.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.5	92.1	87.2	82.9	78.9	75.3	72.1	69.1
36.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.7	92.1	86.3	81.3	76.7	72.7	69.1	65.8	62.8	60.1	57.6
42.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.7	91.1	84.6	78.9	74.0	69.6	65.8	62.3	59.2	56.4	53.8	51.5	49.3
48.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.2	86.3	79.7	74.0	69.1	64.8	60.9	57.6	54.5	51.8	49.3	47.1	45.0	43.2
54.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	92.1	83.7	76.7	70.8	65.8	61.4	57.6	54.2	51.2	48.5	46.0	43.9	41.9	40.0	38.4
60.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	92.1	82.9	75.3	69.1	63.8	59.2	55.3	51.8	48.8	46.0	43.6	41.4	39.5	37.7	36.0	34.5
66.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.2	83.7	75.3	68.5	62.8	58.0	53.8	50.2	47.1	44.3	41.9	39.7	37.7	35.9	34.2	32.8	31.4
72.0	100.0	100.0	100.0	9.0	100.0	100.0	100.0	98.7	86.3	76.7	69.1	62.8	57.6	53.1	49.3	46.0	43.2	40.6	38.4	36.4	34.5	32.9	31.4	30.0	28.8
78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	91.1	79.7	70.8	63.8	58.0	53.1	49.0	45.5	42.5	39.8	37.5	35.4	33.6	31.9	30.4	29.0	27.7	26.6
84.0	100.0	100.0	100.0	100.0	100.0	100.0	98.7	84.6	74.0	65.8	59.2	53.8	49.3	45.5	42.3	39.5	37.0	34.8	32.9	31.2	29.6	28.2	26.9	25.7	24.7
90.0	100.0	100.0	100.0	100.0	100.0	100.0	92.1	78.9	69.1	61.4	55.3	50.2	46.0	42.5	39.5	36.8	34.5	32.5	30.7	29.1	27.6	26.3	25.1	24.0	23.0
96.0	100.0	100.0	100.0	100.0	100.0	94.2	86.3	74.0	64.8	57.6	51.8	47.1	43.2	39.8	37.0	34.5	32.4	30.5	28.8	27.3	25.9	24.7	23.5	22.5	21.6
102.0	100.0	100.0	100.0	100.0	97.5	88.6	81.3	69.6	60.9	54.2	48.8	44.3	40.6	37.5	34.8	32.5	30.5	28.7	27.1	25.7	24.4	23.2	22.2	21.2	20.3
108.0	100.0	100.0	100.0	100.0	92.1	83.7	76.7	65.8	57.6	51.2	46.0	41.9	38.4	35.4	32.9	30.7	28.8	27.1	25.6	24.2	23.0	21.9	20.9	20.0	19.2
114.0	100.0	100.0	100.0	96.9	87.2	79.3	72.7	62.3	54.5	48.5	43.6	39.7	36.4	33.6	31.2	29.1	27.3	25.7	24.2	23.0	21.8	20.8	19.8	19.0	18.2
120.0	100.0	100.0	100.0	92.1	82.9	75.3	69.1	59.2	51.8	46.0	41.4	37.7	34.5	31.9	29.6	27.6	25.9	24.4	23.0	21.8	20.7	19.7	18.8	18.0	17.3
126.0	100.0	100.0	98.7	87.7	78.9	71.8	65.8	56.4	49.3	43.9	39.5	35.9	32.9	30.4	28.2	26.3	24.7	23.2	21.9	20.8	19.7	18.8	17.9	17.2	16.4
132.0	100.0	100.0	90.1	80.1	72.1	65.5	60.1	51.5	45.1	40.0	36.0	32.8	30.0	27.7	25.7	24.0	22.5	21.2	20.0	19.0	18.0	17.2	16.4	15.7	15.0
138.0	100.0	94.2	82.4	73.3	66.0	60.0	55.0	47.1	41.2	36.6	33.0	30.0	27.5	25.4	23.6	22.0	20.6	19.4	18.3	17.4	16.5	15.7	-	-	-
144.0	100.0	86.5	75.7	67.3	60.6	55.1	50.5	43.3	37.9	33.7	30.3	27.5	25.2	23.3	21.6	20.2	18.9	17.8	16.8	15.9	15.1	-	-	-	-

NOTE:

1) **MULLION CHART APPLIES TO 6-9/16" (ITEM #1B) GROUP IV, V, OR VI REINFORCED COMPOSITE MULL ASSEMBLIES, WHEN MULLED IN TWO-WAY, 'X' OR 'T', CONFIGURATIONS.**
2) **DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.**
3) **MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/180.**
4) **DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL OR MIAMI-DADE APPROVAL.**
5) **MULLION CHART APPLIES TO THE FOLLOWING INSTALLATION CONDITIONS:**
   - **V-NOTCH GUSSET INSTALLATION TO WOOD OR METAL STUD**
   - **HALF GUSSET INSTALLATION TO WOOD OR METAL STUD.**
6) **TRIBUTARY WIDTH = W = (A+B)/2**
7) **REFER TO SHEETS 8 OR 9 FOR INSTALLATION DETAILS.**
8) **WHEN WINDOWS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.**



$$\frac{A + B}{2} = W$$



Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: A SERIES REINFORCED MULLION ASSEMBLY
TWO WAY
LOAD TABLE: GROUP IV, V, VI

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

REVISIONS

NO.	DESCRIPTION	BY	DATE
A	REV. TO INCLUDE 6-9/16" MULL	MS	02.09.16
B	UPDATE MULL TABLES & T.O.C.	MS	07.11.16

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

DATE: 10.12.15
DWN BY: LMS
CHK BY: HFN
SCALE: NTS

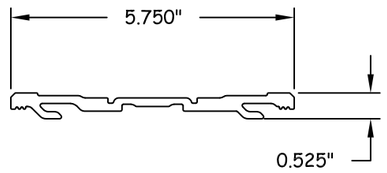
DWG #: AWD086

SHEET: 17 OF 15

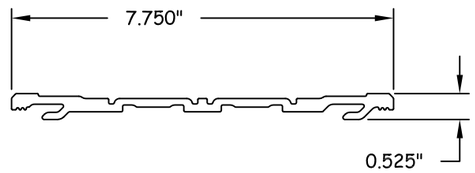
BILL OF MATERIALS

ITEM	DESCRIPTION	MATERIAL	MANUFACTURER
1A	4-9/16" JOINING PLATE	FIBERGLASS	ANDERSEN CORPORATION
1B	6-9/16" JOINING PLATE	FIBERGLASS	ANDERSEN CORPORATION
2	TRIM STRIP	ARPVC	ANDERSEN CORPORATION
3	ALIGNMENT SPACER, JOINING PLATE ASER/WW/TW/FF/DOORS	PVC	ANDERSEN CORPORATION
4	INTERSECTION BRACKET	GALVANIZED STEEL	ANDERSEN CORPORATION
5	ADH FRAME	WOOD	ANDERSEN CORPORATION
6	ADH CLADDING	FIBREX	ANDERSEN CORPORATION
7	ATF/APW FRAME	WOOD	ANDERSEN CORPORATION
8	ATF CLADDING	FIBERGLASS	ANDERSEN CORPORATION
9	APW CLADDING	FIBERGLASS	ANDERSEN CORPORATION
10	AAN/ATV/ACW FRAME	WOOD	ANDERSEN CORPORATION
11	AAN SILL	WOOD	ANDERSEN CORPORATION
12	AAN/ATV CLADDING	FIBERGLASS	ANDERSEN CORPORATION
13	FWGD HEAD	WOOD	ANDERSEN CORPORATION
14	FWGD JAMBS	WOOD	ANDERSEN CORPORATION
15	FWGD CLADDING	FIBERGLASS	ANDERSEN CORPORATION
16	FWSLT FRAME	WOOD	ANDERSEN CORPORATION
17	FWSLT CLADDING	FIBERGLASS	ANDERSEN CORPORATION
18	FWHID FRAME	WOOD	ANDERSEN CORPORATION
19	FWHID CLADDING	FIBERGLASS	ANDERSEN CORPORATION
20	FWOD FRAME	WOOD	ANDERSEN CORPORATION
21	FWOD CLADDING	FIBERGLASS	ANDERSEN CORPORATION
22	FLEXIFRAME	WOOD	ANDERSEN CORPORATION
23	FLEXIFRAME CLADDING	FIBERGLASS	ANDERSEN CORPORATION
24	FW FRAME	WOOD	ANDERSEN CORPORATION
25	FW CLADDING	6063-T5	ANDERSEN CORPORATION
26	ARCH. FRAME	WOOD	ANDERSEN CORPORATION
27	ARCH. CLADDING	6063-T5	ANDERSEN CORPORATION
28	FWGD CLADDING - JAMB	FIBERGLASS	ANDERSEN CORPORATION
29	END PLUG	GLASS FILLED NYLON	ANDERSEN CORPORATION
30	UNIVERSAL GUSSET, STRAIGHT, 18	GALVANIZED STEEL	ANDERSEN CORPORATION
31	END SEAL	PVC	ANDERSEN CORPORATION
32	HALF GUSSET, LS SILL, RS HEAD	GALVANIZED STEEL	ANDERSEN CORPORATION
33	HALF GUSSET, RS SILL, LS HEAD	GALVANIZED STEEL	ANDERSEN CORPORATION

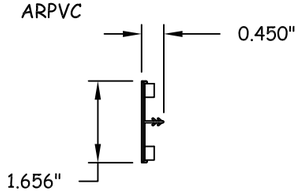
1A 4-9/16" JOINING PLATE
FIBERGLASS



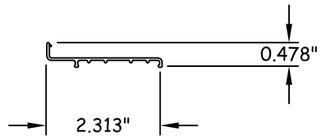
1B 6-9/16" JOINING PLATE
FIBERGLASS



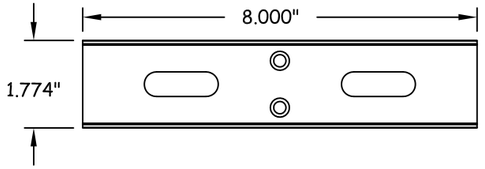
2 TRIM STRIP
ARPVC



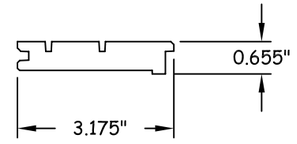
3 ALIGNMENT SPACER, JOINING PLATE
PVC



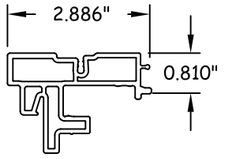
4 INTERSECTION BRACKET
GALVANIZED STEEL



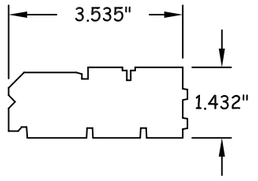
5 ADH FRAME
WOOD



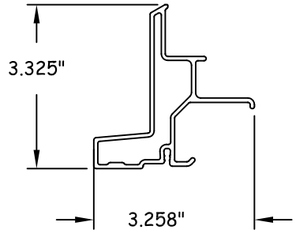
6 ADH CLADDING
FIBREX
TYP. WALL THICKNESS 0.110"



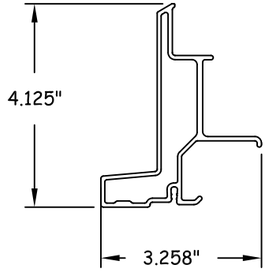
7 ATF/APW FRAME
WOOD



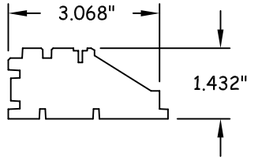
8 ATF CLADDING
FIBERGLASS
TYP. WALL THICKNESS 0.080"



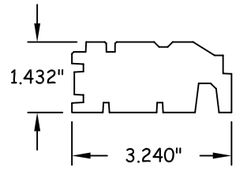
9 APW CLADDING
FIBERGLASS
TYP. WALL THICKNESS 0.080"



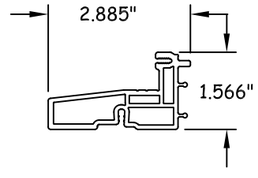
10 AAN/ATV/ACW FRAME
WOOD



11 AAN SILL
WOOD



12 AAN/ATV CLADDING
FIBERGLASS
TYP. WALL THICKNESS 0.080"



Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: A SERIES REINFORCED MULLION ASSEMBLY
B.O.M. & COMPONENTS

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

REVISIONS

NO.	DESCRIPTION	BY	DATE
A	REV. TO ICNLUDE 6-9/16" MULL	MS	02.09.16

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

DATE: 10.12.15
DWN BY: LMS
CHK BY: HFN
SCALE: NTS

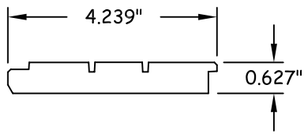
DWG #: AWD086

SHEET: 18 OF 15

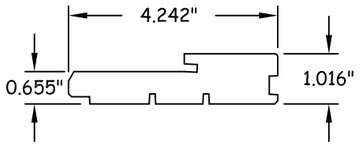
8/20/2016 7:03 PM

s:\projects\andersen windows\fbc-16-0614.3 - a series reinforced mullion revision\dwgs\awd086.dwg

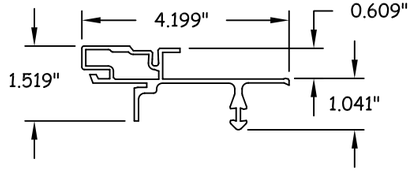
13 FWGD HEAD
WOOD



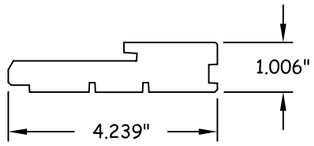
14 FWGD JAMBS
WOOD



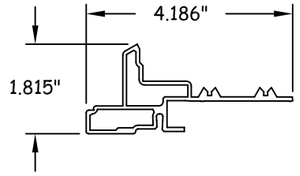
15 FWGD CLADDING
FIBERGLASS



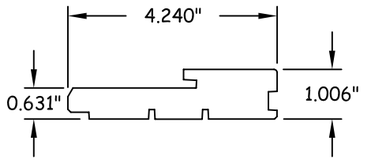
16 FWSLT FRAME
WOOD



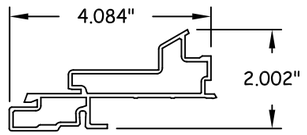
17 FWSLT CLADDING
FIBERGLASS
TYP. WALL THICKNESS 0.080"



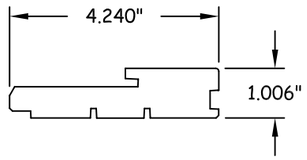
18 FWID FRAME
WOOD



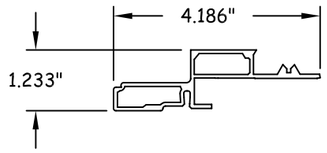
19 FWID
FIBGERGLASS
TYP. WALL THICKNESS 0.080"



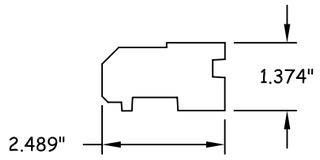
20 FWOD FRAME
WOOD



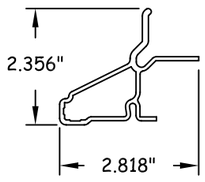
21 FWOD CLADDING
FIBERGLASS
TYP. WALL THICKNESS 0.080"



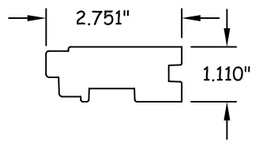
22 FLEXIFRAME
WOOD



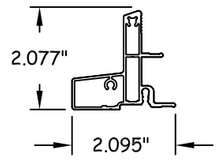
23 FLEXIFRAME CLADDING
FIBERGLASS
TYP. WALL THICKNESS 0.080"



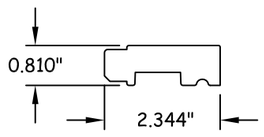
24 FW FRAME
WOOD



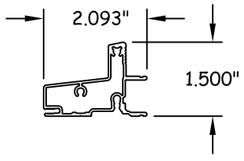
25 FW CLADDING
6063-T5



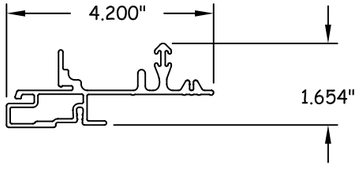
26 ARCH. FRAME
WOOD



27 ARCH. FRAME
6063-T5



28 FWGD CLADDING - JAMB
FIBERGLASS



Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: A SERIES REINFORCED MULLION ASSEMBLY
COMPONENTS (1)

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

REVISIONS

NO.	DESCRIPTION	BY	DATE
A	REV. TO ICNLUDE 6-9/16" MULL	MS	02.09.16

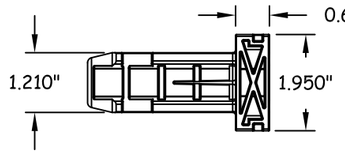
HERMES F. NORERO, P.E.
FLORIDA P. E. NO. 73778
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION NO. 29578

DATE: 10.12.15
DWN BY: LMS
CHK BY: HFN
SCALE: NTS

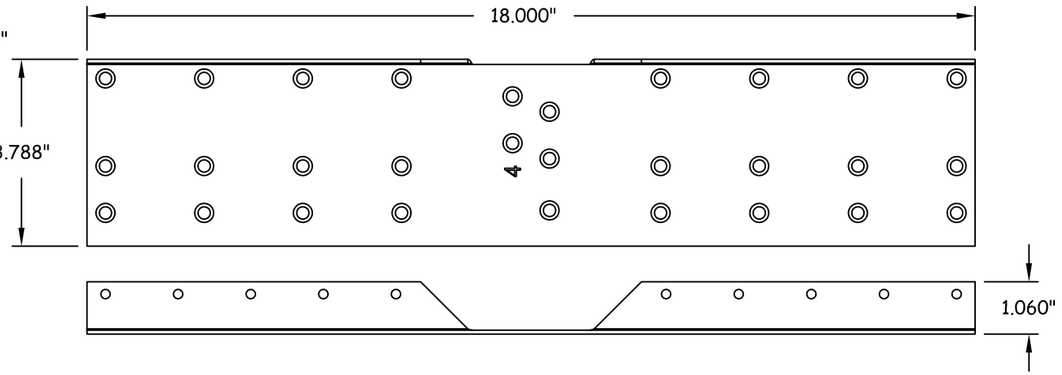
DWG #: AWD086

SHEET: 19 OF 15

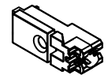
29 END PLUG
GLASS FILLED NYLON



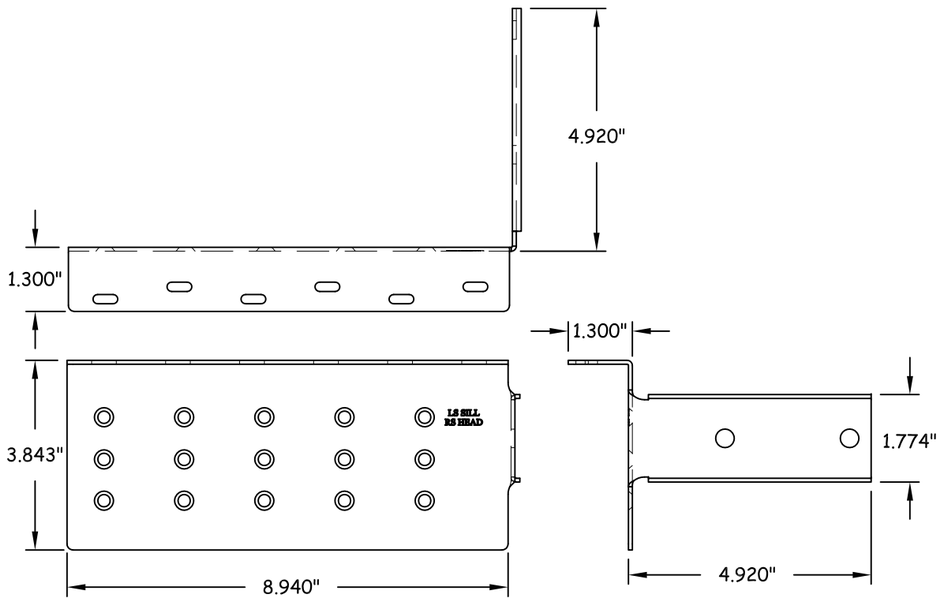
30 UNIVERSAL GUSSET, STRAIGHT, 18
14 GA. GALVANIZED STEEL



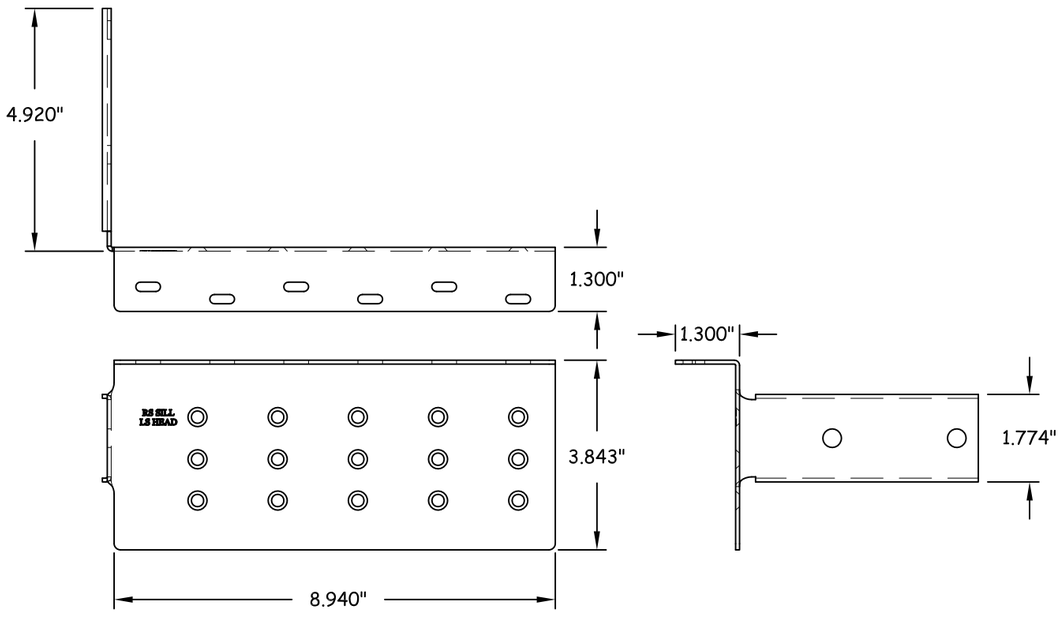
31 END SEAL
PVC



32 HALF GUSSET, LS SILL, RS HEAD
14 GA. GALVANIZED STEEL



33 HALF GUSSET, RS SILL, LS HEAD
14 GA. GALVANIZED STEEL



Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: A SERIES REINFORCED MULLION ASSEMBLY
COMPONENTS (2)

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

REVISIONS

NO.	DESCRIPTION	BY	DATE
A	REV. TO ICNLUDE 6-9/16" MULL	MS	02.09.16

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

DATE: 10.12.15
DWN BY: LMS
CHK BY: HFN
SCALE: NTS

DWG #: AWD086

SHEET: 20 OF 15

8/20/2016 7:04 PM

s:\projects\andersen windows\fbc-16-0614.3 - a series reinforced mullion revision\dwgs\awd086.dwg