

ANDERSEN CORPORATION

100 SERIES NON-REINFORCED MULLION JOINING (NON-HVHZ) (NON-IMPACT)

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. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE 1X BUCKING, SHEATHING, & WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
5. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
6. 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.
7. 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 CURRENT EDITION FLORIDA BUILDING CODE (FBC) **EXCLUDING** HVHZ. ALL PRODUCTS UNDER THE SCOPE OF THIS DOCUMENT HAVE BEEN EVALUATED ACCORDING TO THE FOLLOWING:

AAMA 450-10

CH. 17, OF THE CURRENT EDITION OF FBC
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.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. 3-1/4" NON-REINFORCED MULLION MATERIAL: FIBERGLASS
7. IN ACCORDANCE WITH THE CURRENT EDITION FBC, DISSIMILAR METALS INCLUDING FASTENERS SHALL BE PROTECTED FROM GALVANIC CORROSION.
8. CUSTOM SIZES AVAILABLE UPON REQUEST. CUSTOM DESIGN PRESSURE WILL BE ASSIGNED EQUAL TO NEXT LARGER STANDARD SIZE.
9. INTERIOR TRIM OPTIONS MAY VARY IN ACCORDANCE WITH ANDERSEN'S RECOMMENDATIONS.
- 10.MULL ASSEMBLIES ARE QUALIFIED FOR TWO OR MORE UNITS PER OPENING IN THE FOLLOWING CONFIGURATION:

"ONE WAY" - RIBBON OR STACKED MULLIONS

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PRODUCT ABBREVIATION KEY	
ABBREVIATION	PRODUCT NAME
PW =	PICTURE WINDOW FRAME
CS =	CASEMENT WINDOW FRAME
AW =	AWNING WINDOW FRAME
SH =	SINGLE HUNG WINDOW FRAME
GL =	GLIDING WINDOW FRAME
DH =	DOUBLE HUNG WINDOW FRAME

MISSILE IMPACT RATING
NON-IMPACT

MULLING INSTRUCTIONS:

- STEP 1: ESTABLISH MULL ASSEMBLY FRAME TYPES AND MULL CONFIGURATION.

STEP 2: VERIFY MULL ASSEMBLY CONSTRUCTION FROM SHEETS 2 AND 3 (REFER TO ABBREVIATION TABLE ABOVE).

STEP 3: DETERMINE ALLOWABLE LOAD OF MULL ASSEMBLY FROM APPLICABLE LOAD TABLE, REFER TO SHEETS 5-10.

STEP 4: INSTALL MULLION BASED ON APPLICABLE SPECIFICATIONS & DETAILS SHOWN ON SHEET 4.



100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
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TITLE:
100 SERIES NON-REINFORCED
MULLION JOINING
(NON-HVHZ)(NON-IMPACT)
GENERAL NOTES AND
INSTALLATION NOTES

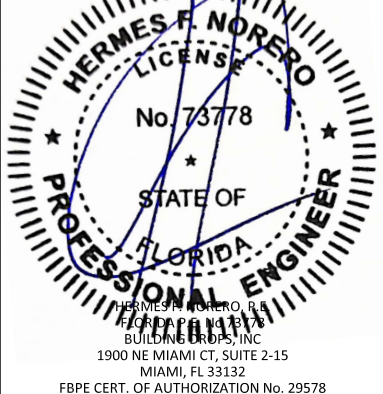
PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
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FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
7TH FBC CODE CHANGE	NUS	10/19/20
GUSSET PLATE UPDATE	MS	02/07/23
8TH FBC CODE CHANGE	MS	10/19/23
DH ADDITION	DB	02/24/25

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2025.04.14 09:10:57 -04'00'



FL #:

FL15922

DATE: 04.14.19

DWG. BY:
HR

CHK. BY:
HFN

SCALE: NTS

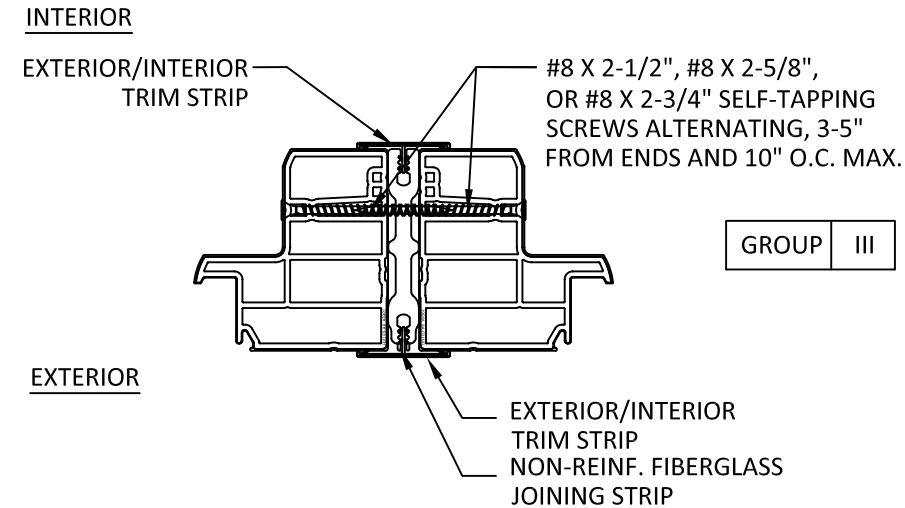
DWG. #: AWD225

SHEET:

1

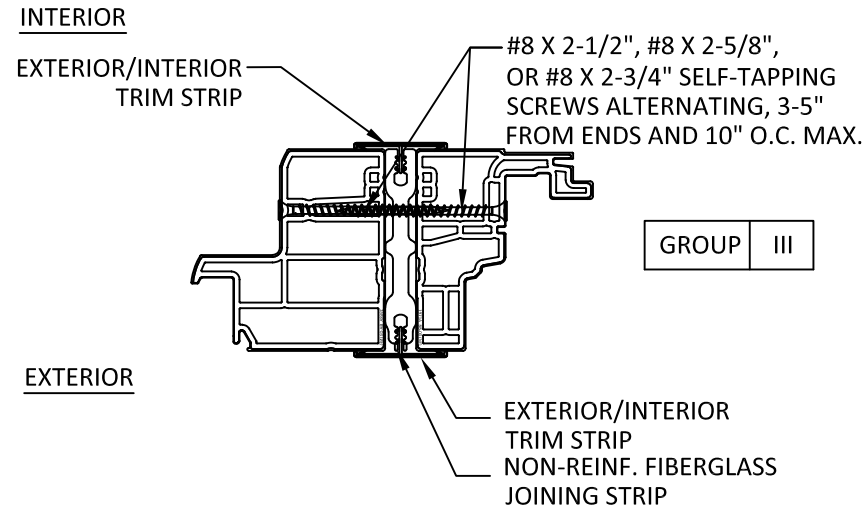
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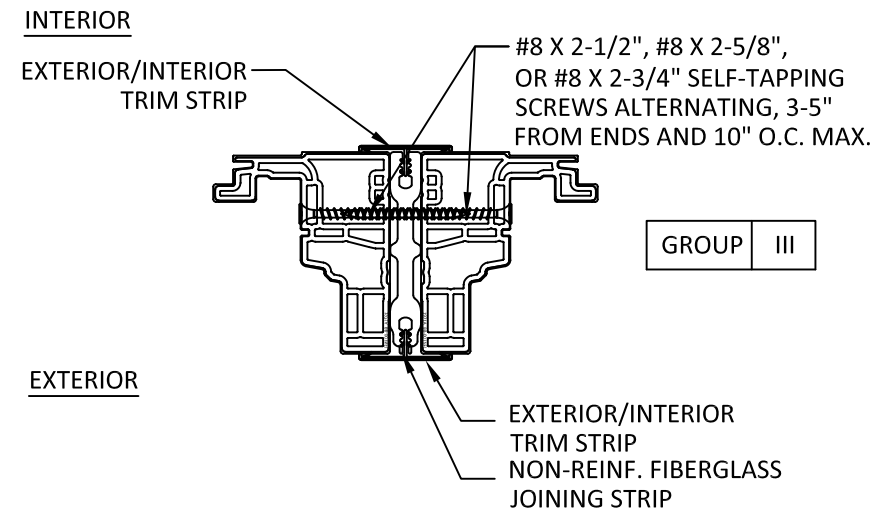
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PW TO PW
VERTICAL OR HORIZONTAL MULL
3-1/4" NON-REINFORCED JOINING



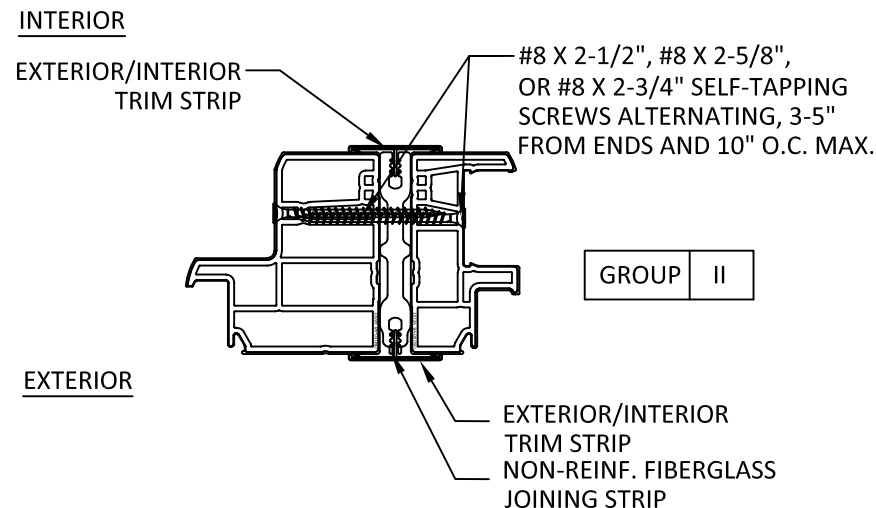
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PW TO CS/AW
VERTICAL OR HORIZONTAL MULL
3-1/4" NON-REINFORCED JOINING



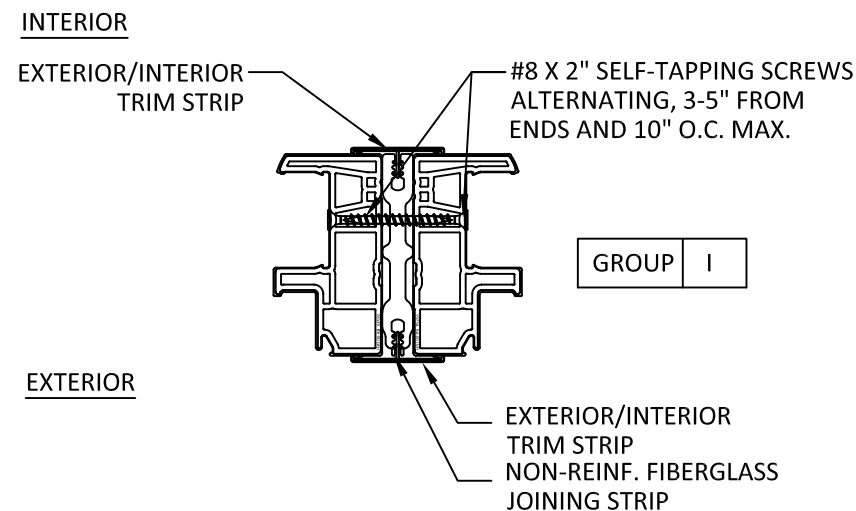
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CS/AW TO CS/AW
VERTICAL OR HORIZONTAL MULL
3-1/4" NON-REINFORCED JOINING



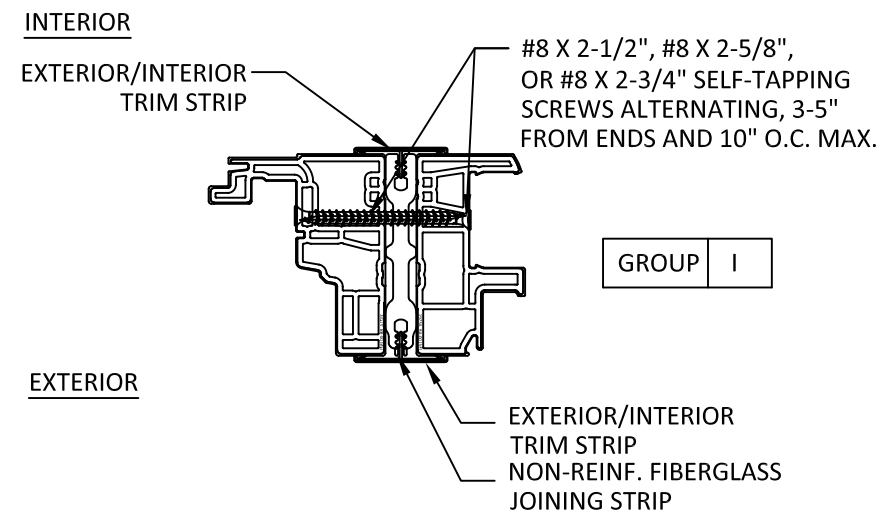
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2

PW TO SH/GL
VERTICAL OR HORIZONTAL MULL
3-1/4" NON-REINFORCED JOINING



E
2

SH/GL TO SH/GL
VERTICAL OR HORIZONTAL MULL
3-1/4" NON-REINFORCED JOINING



F
2

CS/AW TO SH/GL
VERTICAL OR HORIZONTAL MULL
3-1/4" NON-REINFORCED JOINING



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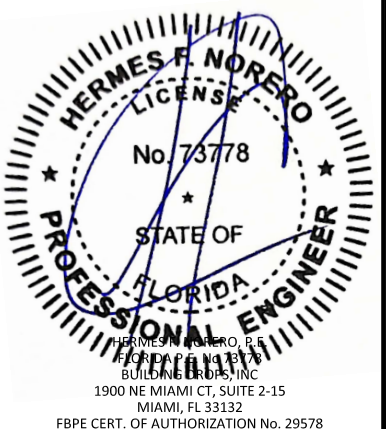
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MULLION JOINING
(NON-HVHZ)(NON-IMPACT)
MULL ASSEMBLY SECTIONS -
3-1/4" NON-REINFORCED JOINING

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SCALE: **NTS**

DWG. #: **AWD225**

SHEET:

2

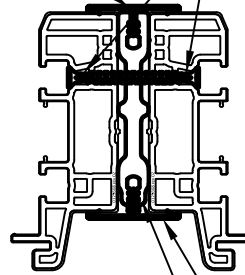
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INTERIOR

EXTERIOR/INTERIOR
TRIM STRIP

#8 X 2" SELF-TAPPING SCREWS
ALTERNATING, 3-5" FROM
ENDS AND 10" O.C. MAX.



EXTERIOR/INTERIOR
TRIM STRIP
NON-REINF. FIBERGLASS
JOINING STRIP

GROUP III

A
3

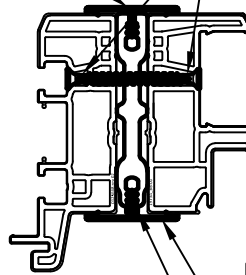
DH TO DH

VERTICAL OR HORIZONTAL MULL
3-1/4" NON-REINFORCED JOINING

INTERIOR

EXTERIOR/INTERIOR
TRIM STRIP

#8 X 2" SELF-TAPPING SCREWS
ALTERNATING, 3-5" FROM
ENDS AND 10" O.C. MAX.



EXTERIOR/INTERIOR
TRIM STRIP
NON-REINF. FIBERGLASS
JOINING STRIP

GROUP III

B
3

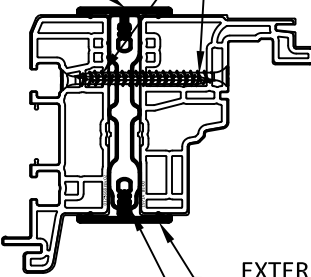
DH TO SH/GL

VERTICAL OR HORIZONTAL MULL
3-1/4" NON-REINFORCED JOINING

INTERIOR

EXTERIOR/INTERIOR
TRIM STRIP

#8 X 2-1/2" OR #8 X 2-5/8" SELF-TAPPING
SCREWS ALTERNATING, 3-5" FROM
ENDS AND 10" O.C. MAX.



EXTERIOR/INTERIOR
TRIM STRIP
NON-REINF. FIBERGLASS
JOINING STRIP

GROUP III

C
3

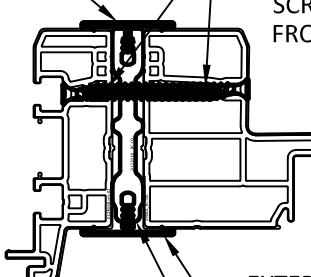
DH TO CS/AW

VERTICAL OR HORIZONTAL MULL
3-1/4" NON-REINFORCED JOINING

INTERIOR

EXTERIOR/INTERIOR
TRIM STRIP

#8 X 2-1/2", #8 X 2-5/8",
OR #8 X 2-3/4" SELF-TAPPING
SCREWS ALTERNATING, 3-5"
FROM ENDS AND 10" O.C. MAX.



EXTERIOR/INTERIOR
TRIM STRIP
NON-REINF. FIBERGLASS
JOINING STRIP

GROUP III

D
3

DH TO PW

VERTICAL OR HORIZONTAL MULL
3-1/4" NON-REINFORCED JOINING



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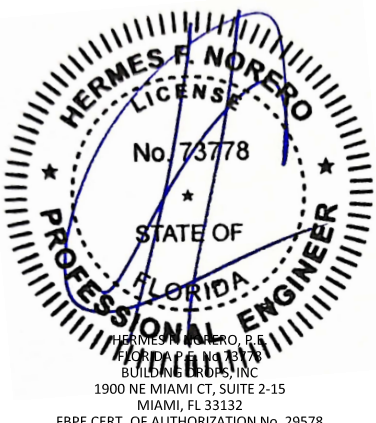
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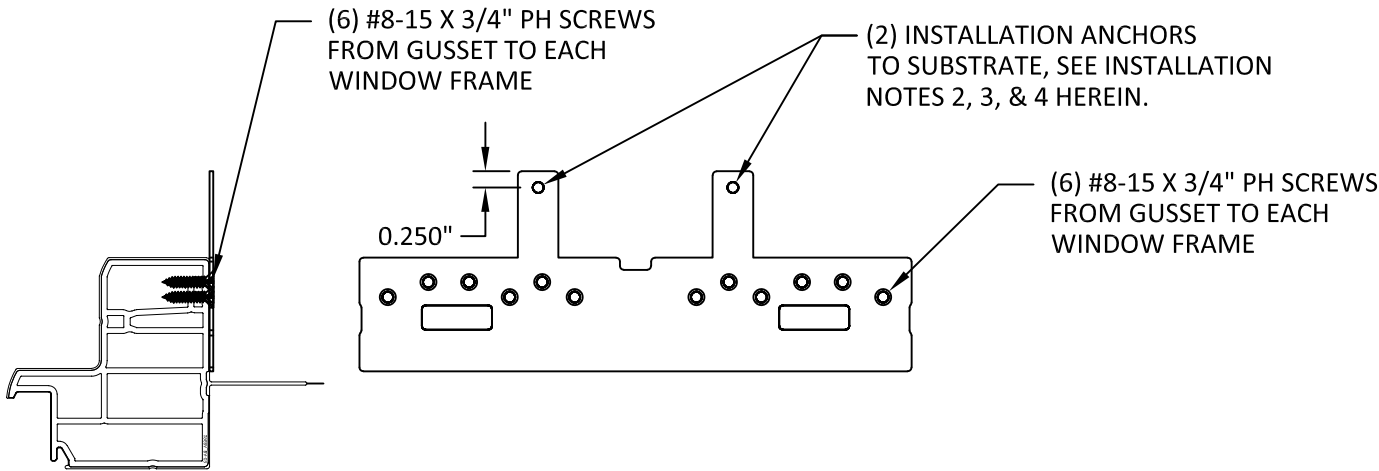


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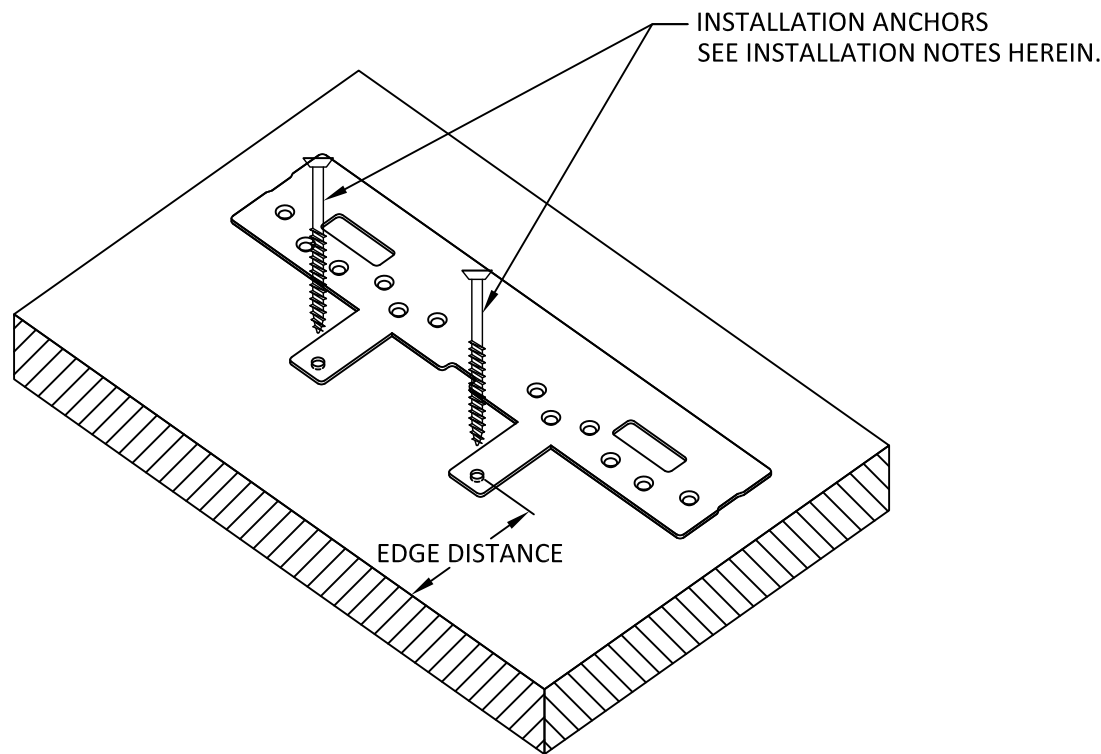
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CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD225
SHEET:	3



A
4 **TYPICAL DETAIL**
GUSSET TO SUBSTRATE
3-1/4" NON-REINFORCED MULLION INSTALLATION

INSTALLATION NOTES:

1. EACH WINDOW FRAME SHALL BE ATTACHED TO GUSSET WITH (6) #8-15 X 3/4" PH SCREWS.
2. FOR INSTALLATION THROUGH 2X BUCK USE (2) #10 FH WOOD SCREWS. INSTALLATION SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:
 - 2.1. MINIMUM EMBEDMENT OF 1-1/2" INTO WOOD
 - 2.2. MINIMUM EDGE DISTANCE OF 3/4"
3. FOR INSTALLATION THROUGH METAL FRAME USE (2) #10 FH SELF-DRILLING OR SELF-TAPPING, SAE GR. 5, TYPE SCREWS. INSTALLATION SHALL CONFORM TO THE FOLLOWING REQUIREMENTS.
 - 3.1. THREE (3) THREADS MINIMUM PENETRATION BEYOND METAL FRAME WALL.
 - 3.2. MINIMUM EDGE DISTANCE OF 1/2"
4. FOR INSTALLATION DIRECT TO CONCRETE/MASONRY SUBSTRATES OR THROUGH 1X BUCK TO CONCRETE/MASONRY SUBSTRATES, USE (2) 3/16" FH ITW TAPCON TYP. ANCHORS. INSTALLATION SHALL CONFORM TO THE FOLLOWING REQUIREMENTS.
 - 4.1. MINIMUM EMBEDMENT OF 1-1/2" INTO SUBSTRATE
 - 4.2. MINIMUM EDGE DISTANCE OF 2"
5. "MASONRY" SUBSTRATES REFER TO GROUT FILLED OR HOLLOW BLOCK OPENINGS.
6. SEE SHEET 1, INSTALLATION NOTE 7 FOR SUBSTRATE MINIMUM PROPERTIES.



B
4 **ISOMETRIC VIEW**
GUSSET INSTALLATION, TYP.
3-1/4" NON-REINFORCED MULLION INSTALLATION



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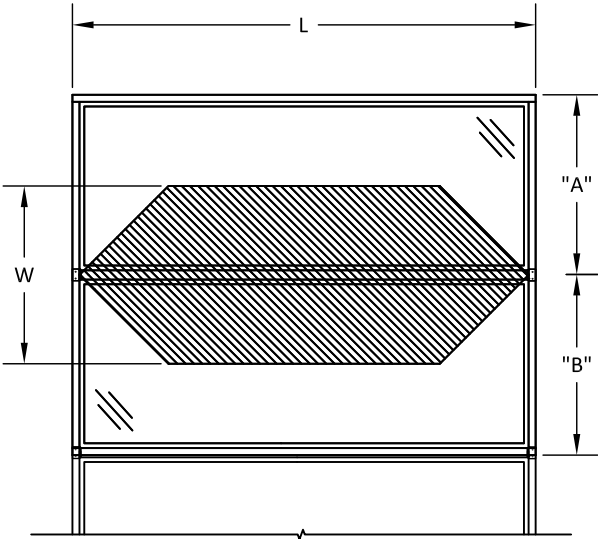
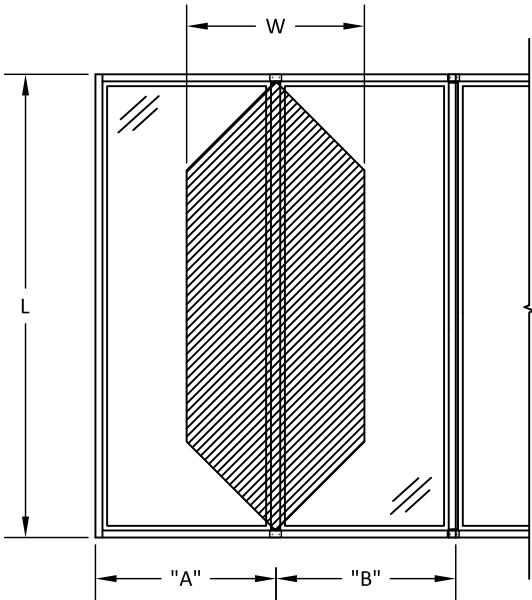
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FIBERGLASS NON-REINFORCED MULL TABLE: GROUP I

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): GROUP I, ONE WAY CONFIGURATION - CONCRETE/MASONRY INSTALLATIONS																			
L - MULL LENGTH (IN)	W - TRIBUTARY WIDTH (IN)																		
	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72
36	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	50.0	50.0	50.0	50.0
42	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	50.0	50.0	50.0	50.0
48	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	50.0	50.0	50.0	50.0
54	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	50.0	50.0	50.0	50.0
57	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.4	48.7	48.3	48.1	48.1	48.1	48.1	48.1	48.1
60	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.5	47.7	46.3	45.3	44.4	43.9	43.6	43.4	43.4	43.4	43.4	43.4
63	50.0	50.0	50.0	50.0	50.0	50.0	48.3	46.1	44.3	42.9	41.8	40.9	40.2	39.8	39.5	39.4	39.4	39.4	39.4
66	50.0	50.0	50.0	50.0	50.0	47.9	45.3	43.1	41.4	40.0	38.8	37.9	37.1	36.6	36.2	36.0	35.9	35.9	-
69	50.0	50.0	50.0	50.0	48.3	45.1	42.6	40.5	38.8	37.4	36.2	35.3	34.5	33.9	33.4	33.1	32.9	-	-
72	50.0	50.0	50.0	49.5	45.7	42.7	40.2	38.2	36.5	35.1	33.9	33.0	32.2	31.5	31.0	30.7	-	-	-
75	50.0	50.0	50.0	47.1	43.4	40.5	38.1	36.1	34.5	33.1	31.9	31.0	30.2	29.5	29.0	-	-	-	-
78	50.0	50.0	49.4	44.9	41.4	38.5	36.2	34.3	32.7	31.3	30.2	29.2	28.4	27.7	-	-	-	-	-
81	50.0	50.0	47.2	42.9	39.5	36.7	34.5	32.6	31.0	29.7	28.6	27.6	26.8	-	-	-	-	-	-
84	50.0	50.0	45.3	41.1	37.8	35.1	32.9	31.1	29.6	28.3	27.2	26.2	25.4	-	-	-	-	-	-
87	50.0	48.7	43.4	39.4	36.2	33.6	31.5	29.7	28.2	26.9	25.9	24.9	-	-	-	-	-	-	-
90	50.0	46.8	41.8	37.9	34.8	32.2	30.2	28.4	27.0	25.7	24.7	23.8	-	-	-	-	-	-	-
93	50.0	45.1	40.2	36.4	33.4	31.0	29.0	27.3	25.9	24.7	23.6	-	-	-	-	-	-	-	-
96	49.9	43.6	38.8	35.1	32.2	29.8	27.9	26.2	24.8	23.6	22.6	-	-	-	-	-	-	-	-

- NOTE:
- MULLION CHART APPLIES TO NON-REINFORCED ASSEMBLIES, WHEN MULLED IN ONE-WAY, STACK OR RIBBON, CONFIGURATIONS.
 - DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
 - DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS SHALL BE UNDER SEPARATE FL APPROVAL.
 - MULLION CHART APPLIES TO THE FOLLOWING INSTALLATION CONDITIONS:
GUSSET INSTALLATION TO GROUT FILLED OR HOLLOW BLOCK OR CONCRETE.
 - TRIBUTARY WIDTH = $W = (A+B)/2$
 - REFER TO SHEET 4 FOR INSTALLATION DETAILS.
 - 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.



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

TITLE: 100 SERIES NON-REINFORCED
MULLION JOINING
(NON-HVHZ)(NON-IMPACT)
GROUP I - ONE-WAY MULLION TABLES
& INSTALLATION NOTES -
CONCRETE/MASONRY INSTALLATIONS

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
7TH FBC CODE CHANGE	NUS	10/19/20
GUSSET PLATE UPDATE	MS	02/07/23
8TH FBC CODE CHANGE	MS	10/19/23
DH ADDITION	DB	02/24/25

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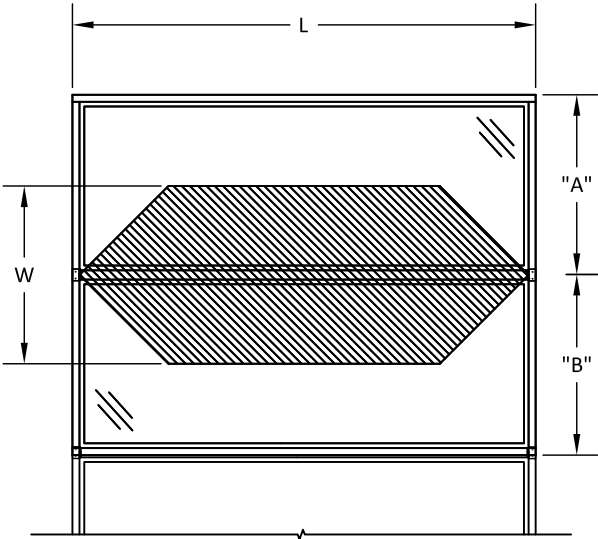
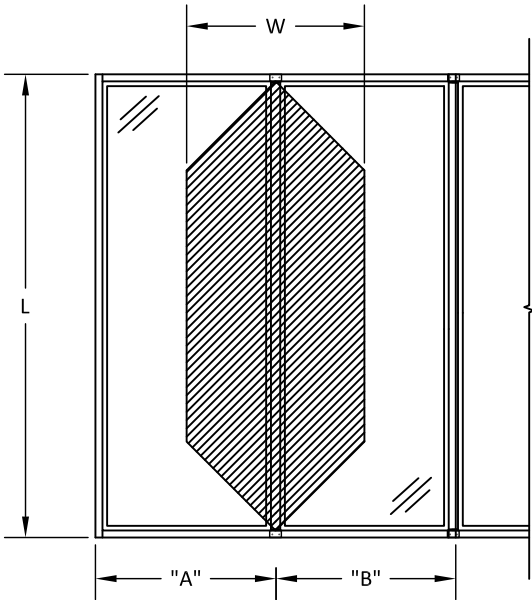


FL #:	FL15922
DATE:	04.14.19
DWG. BY:	HR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD225
SHEET:	5

FIBERGLASS NON-REINFORCED MULL TABLE: GROUP I

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): GROUP I, ONE WAY CONFIGURATION - WOOD/METAL INSTALLATIONS																			
L - MULL LENGTH (IN)	W - TRIBUTARY WIDTH (IN)																		
	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72
36	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	50.0	50.0	50.0	50.0
42	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	50.0	50.0	50.0	50.0
48	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	50.0	50.0	50.0	50.0
54	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	50.0	50.0	50.0	50.0
57	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	50.0	50.0	50.0	50.0
60	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	50.0	50.0	50.0	50.0
63	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	50.0	50.0	50.0	50.0
66	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	50.0	50.0	50.0	-
69	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	49.2	48.5	48.0	47.8	-	-
72	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.3	47.8	46.7	45.8	45.0	44.5	-	-	-
75	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	48.0	46.4	44.9	43.8	42.8	42.0	-	-	-	-
78	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.7	47.4	45.4	43.8	42.4	41.2	40.2	-	-	-	-	-
81	50.0	50.0	50.0	50.0	50.0	50.0	50.0	47.3	45.0	43.1	41.5	40.1	38.9	-	-	-	-	-	-
84	50.0	50.0	50.0	50.0	50.0	50.0	47.8	45.1	42.9	41.0	39.4	38.0	36.9	-	-	-	-	-	-
87	50.0	50.0	50.0	50.0	50.0	48.8	45.7	43.1	40.9	39.1	37.3	35.6	-	-	-	-	-	-	-
90	50.0	50.0	50.0	50.0	50.0	46.8	43.8	41.1	38.6	36.4	34.6	33.0	-	-	-	-	-	-	-
93	50.0	50.0	50.0	50.0	48.5	44.5	41.1	38.3	35.9	33.9	32.2	-	-	-	-	-	-	-	-
96	50.0	50.0	50.0	49.7	45.1	41.3	38.2	35.6	33.5	31.6	30.0	-	-	-	-	-	-	-	-

- NOTE:
- MULLION CHART APPLIES TO NON-REINFORCED ASSEMBLIES, WHEN MULLED IN ONE-WAY, STACK OR RIBBON, CONFIGURATIONS.
 - DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
 - DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS SHALL BE UNDER SEPARATE FL APPROVAL.
 - MULLION CHART APPLIES TO THE FOLLOWING INSTALLATION CONDITIONS:
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 - TRIBUTARY WIDTH = $W = (A+B)/2$
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INSTALLATIONS

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REMARKS	BY	DATE
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GUSSET PLATE UPDATE	MS	02/07/23
8TH FBC CODE CHANGE	MS	10/19/23
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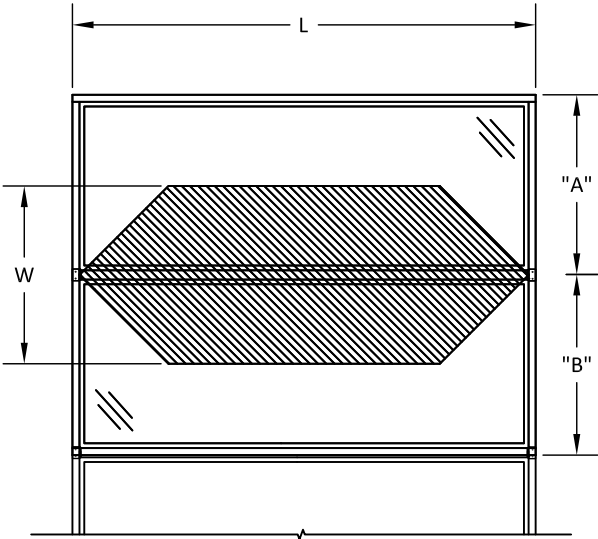
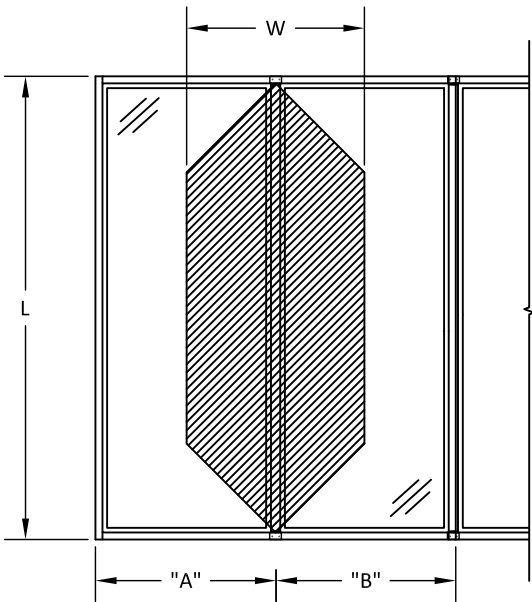


FL #:	FL15922
DATE:	04.14.19
DWG. BY:	HR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD225
SHEET:	6

FIBERGLASS NON-REINFORCED MULL TABLE: GROUP II

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): GROUP II, ONE WAY CONFIGURATION - CONCRETE/MASONRY INSTALLATIONS																			
L - MULL LENGTH (IN)	W - TRIBUTARY WIDTH (IN)																		
	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72
36	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	50.0	50.0	50.0	50.0
42	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	50.0	50.0	50.0	50.0
48	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	50.0	50.0	50.0	50.0
54	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	50.0	50.0	50.0	50.0
57	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.4	48.7	48.3	48.1	48.1	48.1	48.1	48.1	48.1
60	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.5	47.7	46.3	45.3	44.4	43.9	43.6	43.4	43.4	43.4	43.4	43.4
63	50.0	50.0	50.0	50.0	50.0	50.0	48.3	46.1	44.3	42.9	41.8	40.9	40.2	39.8	39.5	39.4	39.4	39.4	39.4
66	50.0	50.0	50.0	50.0	50.0	47.9	45.3	43.1	41.4	40.0	38.8	37.9	37.1	36.6	36.2	36.0	35.9	35.9	35.9
69	50.0	50.0	50.0	50.0	48.3	45.1	42.6	40.5	38.8	37.4	36.2	35.3	34.5	33.9	33.4	33.1	32.9	32.9	32.9
72	50.0	50.0	50.0	49.5	45.7	42.7	40.2	38.2	36.5	35.1	33.9	33.0	32.2	31.5	31.0	30.7	30.4	30.2	30.2
75	50.0	50.0	50.0	47.1	43.4	40.5	38.1	36.1	34.5	33.1	31.9	31.0	30.2	29.5	29.0	28.5	28.2	28.0	27.9
78	50.0	50.0	49.4	44.9	41.4	38.5	36.2	34.3	32.7	31.3	30.2	29.2	28.4	27.7	27.2	26.7	26.3	26.1	25.9
81	50.0	50.0	47.2	42.9	39.5	36.7	34.5	32.6	31.0	29.7	28.6	27.6	26.8	26.1	25.6	25.1	24.7	24.4	-
84	50.0	50.0	45.3	41.1	37.8	35.1	32.9	31.1	29.6	28.3	27.2	26.2	25.4	24.7	24.1	23.6	23.2	-	-
87	50.0	48.7	43.4	39.4	36.2	33.6	31.5	29.7	28.2	26.9	25.9	24.9	24.1	23.5	22.9	22.4	21.9	-	-
90	50.0	46.8	41.8	37.9	34.8	32.2	30.2	28.4	27.0	25.7	24.7	23.8	23.0	22.3	21.7	21.2	-	-	-
93	50.0	45.1	40.2	36.4	33.4	31.0	29.0	27.3	25.9	24.7	23.6	22.7	21.9	21.3	20.7	-	-	-	-
96	49.9	43.6	38.8	35.1	32.2	29.8	27.9	26.2	24.8	23.6	22.6	21.8	21.0	20.3	19.7	-	-	-	-

- NOTE:
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 - MULLION CHART APPLIES TO THE FOLLOWING INSTALLATION CONDITIONS:
GUSSET INSTALLATION TO GROUT FILLED OR HOLLOW BLOCK OR CONCRETE.
 - TRIBUTARY WIDTH = $W = (A+B)/2$
 - REFER TO SHEET 4 FOR INSTALLATION DETAILS.
 - 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.



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TITLE: 100 SERIES NON-REINFORCED MULLION JOINING (NON-HVHZ)(NON-IMPACT) GROUP II - ONE-WAY MULLION TABLES & INSTALLATION NOTES - CONCRETE/MASONRY INSTALLATIONS

PREPARED BY: BUILDING DROPS, INC.
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MIAMI, FL 33132
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REMARKS	BY	DATE
7TH FBC CODE CHANGE	NUS	10/19/20
GUSSET PLATE UPDATE	MS	02/07/23
8TH FBC CODE CHANGE	MS	10/19/23
DH ADDITION	DB	02/24/25

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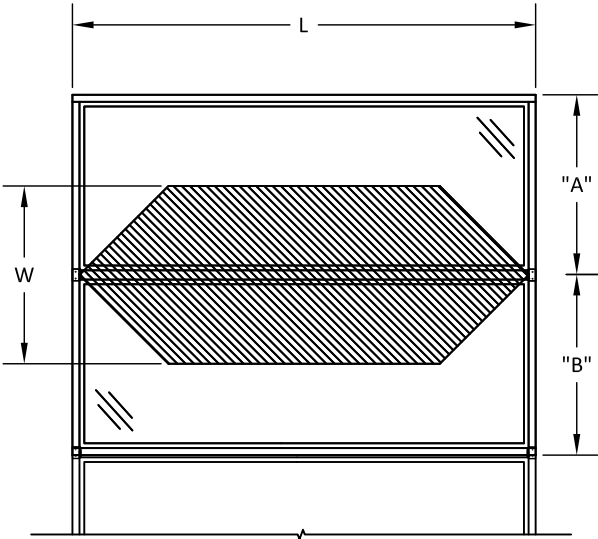
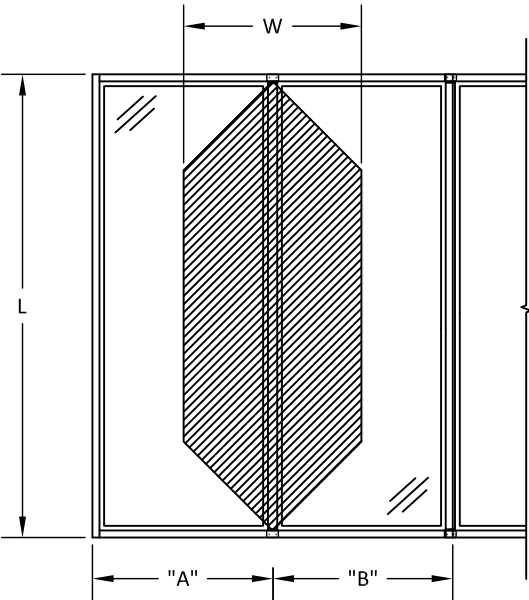


FL #:	FL15922
DATE:	04.14.19
DWG. BY:	HR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD225
SHEET:	7

FIBERGLASS NON-REINFORCED MULL TABLE: GROUP II

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): GROUP II, ONE WAY CONFIGURATION - WOOD/METAL INSTALLATIONS																			
L - MULL LENGTH (IN)	W - TRIBUTARY WIDTH (IN)																		
	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72
36	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	50.0	50.0	50.0	50.0
42	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	50.0	50.0	50.0	50.0
48	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	50.0	50.0	50.0	50.0
54	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	50.0	50.0	50.0	50.0
57	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	50.0	50.0	50.0	50.0
60	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	50.0	50.0	50.0	50.0
63	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	50.0	50.0	50.0	50.0
66	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	50.0	50.0	50.0	50.0
69	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	49.2	48.5	48.0	47.8	47.7	47.7
72	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.3	47.8	46.7	45.8	45.0	44.5	44.1	43.9	43.8
75	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	48.0	46.4	44.9	43.8	42.8	42.0	41.4	40.9	40.6	40.4
78	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.7	47.4	45.4	43.8	42.4	41.2	40.2	39.4	38.7	38.2	37.8	37.5
81	50.0	50.0	50.0	50.0	50.0	50.0	50.0	47.3	45.0	43.1	41.5	40.1	38.9	37.9	37.1	36.4	35.8	35.4	-
84	50.0	50.0	50.0	50.0	50.0	50.0	47.8	45.1	42.9	41.0	39.4	38.0	36.9	35.9	35.0	34.3	33.7	-	-
87	50.0	50.0	50.0	50.0	50.0	48.8	45.7	43.1	40.9	39.1	37.5	36.2	35.0	34.0	33.2	32.5	31.8	-	-
90	50.0	50.0	50.0	50.0	50.0	46.8	43.8	41.3	39.2	37.4	35.8	34.5	33.4	32.4	31.5	30.8	-	-	-
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96	50.0	50.0	50.0	50.0	46.7	43.3	40.4	38.0	36.0	34.3	32.8	31.6	30.5	29.5	28.7	-	-	-	-

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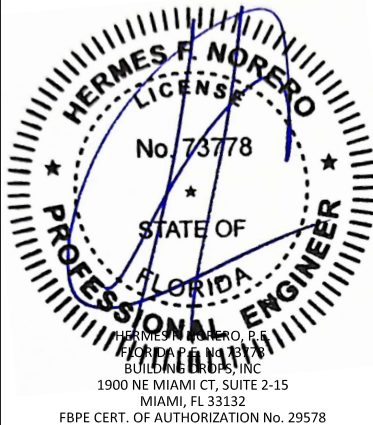
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FL #:

FL15922

DATE: 04.14.19

DWG. BY:
HR

CHK. BY:
HFN

SCALE: NTS

DWG. #: AWD225

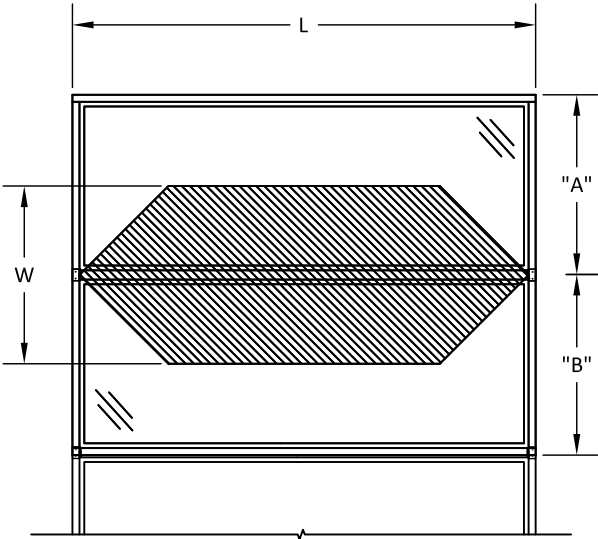
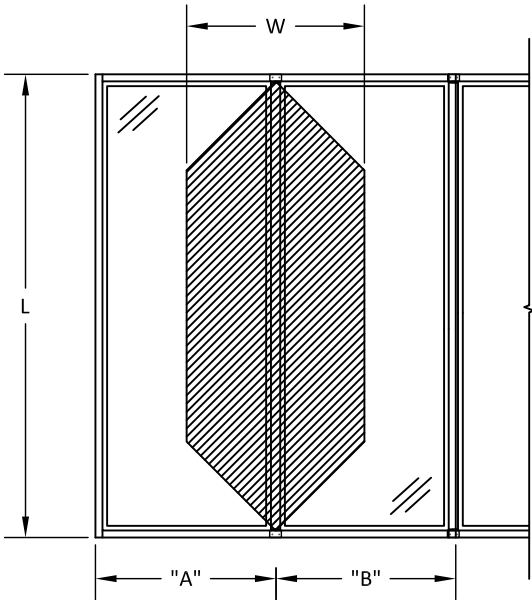
SHEET:

8

FIBERGLASS NON-REINFORCED MULL TABLE: GROUP III

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): GROUP III, ONE WAY CONFIGURATION - CONCRETE/MASONRY INSTALLATIONS																			
L - MULL LENGTH (IN)	W - TRIBUTARY WIDTH (IN)																		
	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72
36	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	50.0	50.0	50.0	50.0
42	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	50.0	50.0	50.0	50.0
48	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	50.0	50.0	50.0	50.0
54	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	50.0	50.0	50.0	50.0
57	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.4	48.7	48.3	48.1	48.1	48.1	48.1	48.1	48.1
60	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.5	47.7	46.3	45.3	44.4	43.9	43.6	43.4	43.4	43.4	43.4	43.4
63	50.0	50.0	50.0	50.0	50.0	50.0	48.3	46.1	44.3	42.9	41.8	40.9	40.2	39.8	39.5	39.4	39.4	39.4	39.4
66	50.0	50.0	50.0	50.0	50.0	47.9	45.3	43.1	41.4	40.0	38.8	37.9	37.1	36.6	36.2	36.0	35.9	35.9	35.9
69	50.0	50.0	50.0	50.0	48.3	45.1	42.6	40.5	38.8	37.4	36.2	35.3	34.5	33.9	33.4	33.1	32.9	32.9	32.9
72	50.0	50.0	50.0	49.5	45.7	42.7	40.2	38.2	36.5	35.1	33.9	33.0	32.2	31.5	31.0	30.7	30.4	30.2	30.2
75	50.0	50.0	50.0	47.1	43.4	40.5	38.1	36.1	34.5	33.1	31.9	31.0	30.2	29.5	29.0	28.5	28.2	28.0	27.9
78	50.0	50.0	49.4	44.9	41.4	38.5	36.2	34.3	32.7	31.3	30.2	29.2	28.4	27.7	27.2	26.7	26.3	26.1	25.9
81	50.0	50.0	47.2	42.9	39.5	36.7	34.5	32.6	31.0	29.7	28.6	27.6	26.8	26.1	25.6	25.1	24.7	24.4	24.1
84	50.0	50.0	45.3	41.1	37.8	35.1	32.9	31.1	29.6	28.3	27.2	26.2	25.4	24.7	24.1	23.6	23.2	22.9	22.6
87	50.0	48.7	43.4	39.4	36.2	33.6	31.5	29.7	28.2	26.9	25.9	24.9	24.1	23.5	22.9	22.4	21.9	21.6	21.3
90	50.0	46.8	41.8	37.9	34.8	32.2	30.2	28.4	27.0	25.7	24.7	23.8	23.0	22.3	21.7	21.2	20.8	20.4	20.1
93	50.0	45.1	40.2	36.4	33.4	31.0	29.0	27.3	25.9	24.7	23.6	22.7	21.9	21.3	20.7	20.2	19.7	19.4	19.1
96	49.9	43.6	38.8	35.1	32.2	29.8	27.9	26.2	24.8	23.6	22.6	21.8	21.0	20.3	19.7	19.2	18.8	18.4	18.1

- NOTE:
- MULLION CHART APPLIES TO NON-REINFORCED ASSEMBLIES, WHEN MULLED IN ONE-WAY, STACK OR RIBBON, CONFIGURATIONS.
 - DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
 - DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS SHALL BE UNDER SEPARATE FL APPROVAL.
 - MULLION CHART APPLIES TO THE FOLLOWING INSTALLATION CONDITIONS:
GUSSET INSTALLATION TO GROUT FILLED OR HOLLOW BLOCK OR CONCRETE.
 - TRIBUTARY WIDTH = $W = (A+B)/2$
 - REFER TO SHEET 4 FOR INSTALLATION DETAILS.
 - 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.



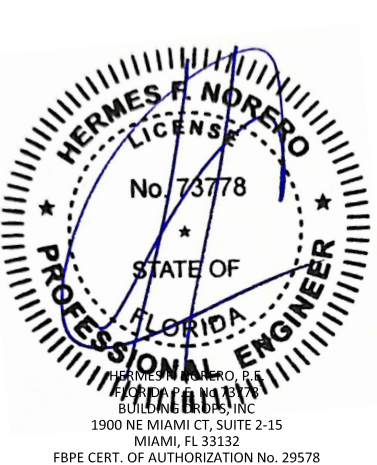
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE:
100 SERIES NON-REINFORCED
MULLION JOINING
(NON-HVHZ)(NON-IMPACT)
GROUP III - ONE-WAY MULLION TABLES
& INSTALLATION NOTES -
CONCRETE/MASONRY INSTALLATIONS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

BD
BUILDING DROPS

REMARKS	BY	DATE
7TH FBC CODE CHANGE	NUS	10/19/20
GUSSET PLATE UPDATE	MS	02/07/23
8TH FBC CODE CHANGE	MS	10/19/23
DH ADDITION	DB	02/24/25
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 #:
FL15922

DATE:
04.14.19

DWG. BY:
HR

CHK. BY:
HFN

SCALE:
NTS

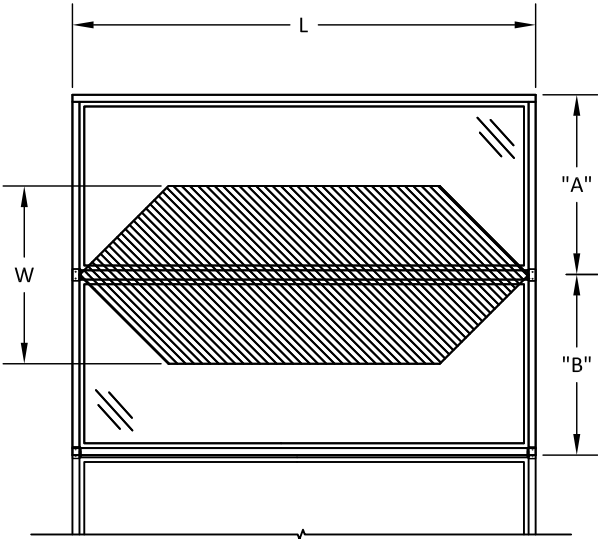
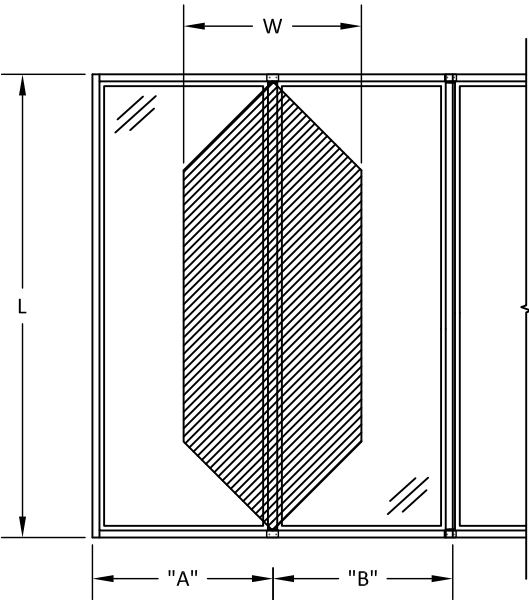
DWG. #:
AWD225

SHEET:

FIBERGLASS NON-REINFORCED MULL TABLE: GROUP III

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): GROUP III, ONE WAY CONFIGURATION - WOOD/METAL INSTALLATIONS																			
L - MULL LENGTH (IN)	W - TRIBUTARY WIDTH (IN)																		
	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72
36	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	50.0	50.0	50.0	50.0
42	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	50.0	50.0	50.0	50.0
48	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	50.0	50.0	50.0	50.0
54	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	50.0	50.0	50.0	50.0
57	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	50.0	50.0	50.0	50.0
60	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	50.0	50.0	50.0	50.0
63	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	50.0	50.0	50.0	50.0
66	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	50.0	50.0	50.0	50.0
69	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	49.2	48.5	48.0	47.8	47.7	47.7
72	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.3	47.8	46.7	45.8	45.0	44.5	44.1	43.9	43.8
75	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	48.0	46.4	44.9	43.8	42.8	42.0	41.4	40.9	40.6	40.4
78	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.7	47.4	45.4	43.8	42.4	41.2	40.2	39.4	38.7	38.2	37.8	37.5
81	50.0	50.0	50.0	50.0	50.0	50.0	50.0	47.3	45.0	43.1	41.5	40.1	38.9	37.9	37.1	36.4	35.8	35.4	35.0
84	50.0	50.0	50.0	50.0	50.0	50.0	47.8	45.1	42.9	41.0	39.4	38.0	36.9	35.9	35.0	34.3	33.7	33.2	32.8
87	50.0	50.0	50.0	50.0	50.0	48.8	45.7	43.1	40.9	39.1	37.5	36.2	35.0	34.0	33.2	32.5	31.8	31.3	30.9
90	50.0	50.0	50.0	50.0	50.0	46.8	43.8	41.3	39.2	37.4	35.8	34.5	33.4	32.4	31.5	30.8	30.2	29.6	29.2
93	50.0	50.0	50.0	50.0	48.5	44.9	42.0	39.6	37.5	35.8	34.3	33.0	31.8	30.9	30.0	29.3	28.7	28.1	27.6
96	50.0	50.0	50.0	50.0	46.7	43.3	40.4	38.0	36.0	34.3	32.8	31.6	30.5	29.5	28.7	27.9	27.3	26.7	26.3

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GUSSET INSTALLATION TO 2X WOOD OR METAL STUD.
 - TRIBUTARY WIDTH = $W = (A+B)/2$
 - REFER TO SHEET 4 FOR INSTALLATION DETAILS.
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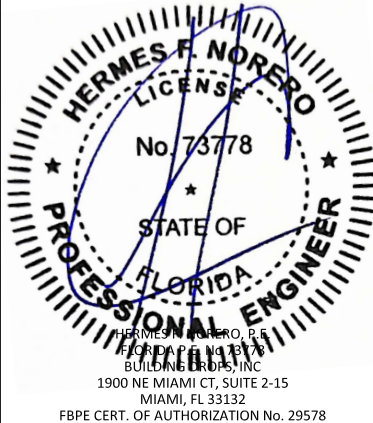
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
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TITLE: 100 SERIES NON-REINFORCED
MULLION JOINING
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GROUP III - ONE-WAY MULLION TABLES
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FL #:	FL15922
DATE:	04.14.19
DWG. BY:	HR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD225
SHEET:	10