

LINEA ROSSA DESIGN LLC

UNCLIPPED ALUMINUM MULLION

(HVHZ) (IMPACT)

GENERAL NOTES:

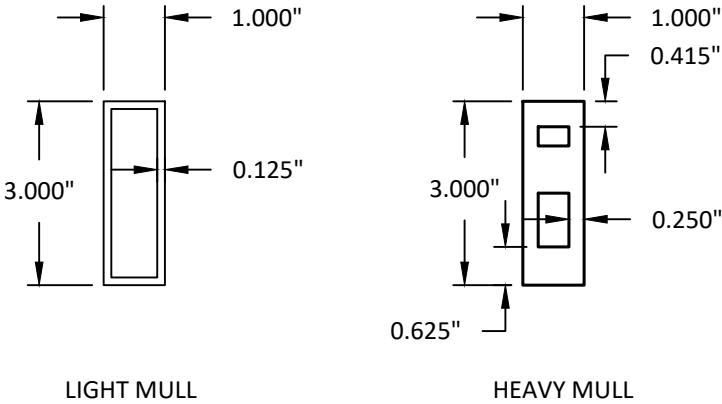
- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC) **INCLUDING** HVHZ. ALL PRODUCTS UNDER THE SCOPE OF THIS DOCUMENT HAVE BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND METAL STUD FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT IN HVHZ AREAS.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- MULLION MATERIAL: ALUMINUM 6063-T6
- IN ACCORDANCE WITH THE CURRENT FBC, DISSIMILAR METALS INCLUDING FASTENERS SHALL BE PROTECTED FROM GALVANIC CORROSION.
- CUSTOM SIZES AVAILABLE UPON REQUEST. CUSTOM DESIGN PRESSURE WILL BE ASSIGNED EQUAL TO NEXT LARGER STANDARD SIZE.
- MULL ASSEMBLIES ARE QUALIFIED FOR TWO OR MORE UNITS PER OPENING IN THE FOLLOWING CONFIGURATION:
 - "ONE WAY" - RIBBON OR STACKED MULLIONS

MULLING INSTRUCTIONS:

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

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SHEET	SHEET DESCRIPTION
1	GENERAL NOTES
2	LIGHT MULL ASSEMBLY SECTIONS
3	HEAVY MULL ASSEMBLY SECTIONS
4	ONE - WAY MULLION TABLES & CONFIGURATIONS

PRODUCT ABBREVIATION KEY	
ABBREVIATION	PRODUCT NAME
FW =	FIXED WINDOW FRAME
CS =	CASEMENT WINDOW FRAME
SH =	SINGLE HUNG WINDOW FRAME



MISSILE IMPACT RATING
LARGE AND SMALL MISSILE IMPACT

DESIGNED by
LINEA ROSSA®

1850 NW. 84TH AVE., STE. 114
DORAL, FL 33126
PH: (305)815-8797

TITLE:
UNCLIPPED ALUMINUM MULLION
(HVHZ) (IMPACT)

GENERAL NOTES

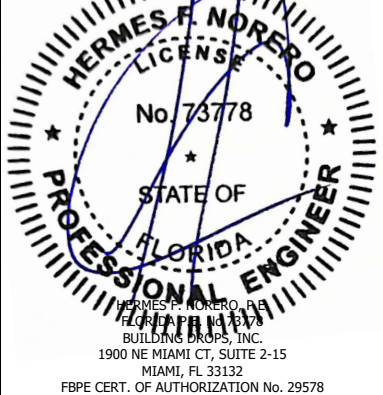
PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

BUILDING DROPS

REMARKS	BY	DATE
2026 FBC UPDATE	LS	06/26

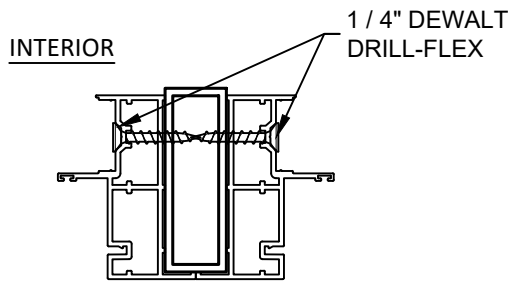
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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.09.24 17:14:41 -07'00'

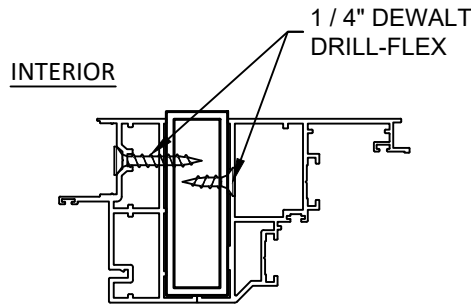


FL #:		FL40529
DATE:		10.06.23
DWG. BY:	CHK. BY:	
SH	HFN	
SCALE:		NTS
DWG. #:		LRA021
SHEET:		
1		REV. A
		OF 4

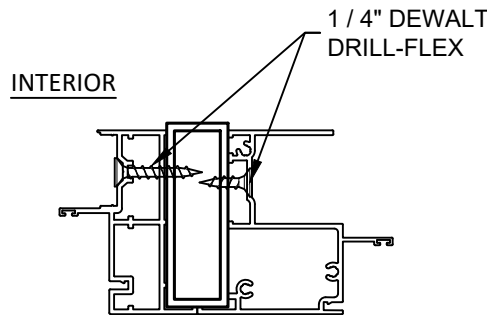
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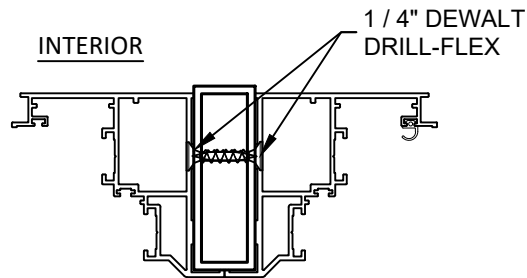
A
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FW TO FW
VERTICAL OR HORIZONTAL
LIGHT MULL



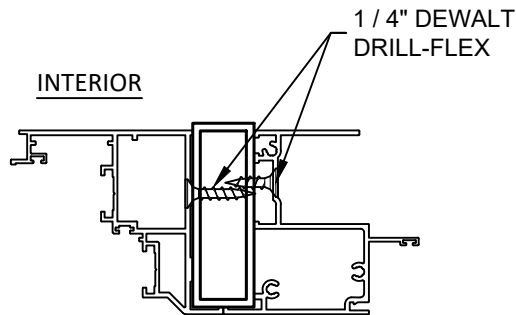
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2
FW TO CS
VERTICAL OR HORIZONTAL
LIGHT MULL



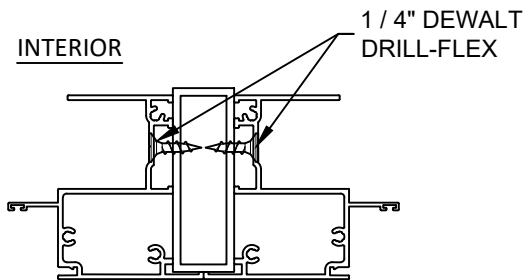
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2
FW TO SH
VERTICAL
LIGHT MULL



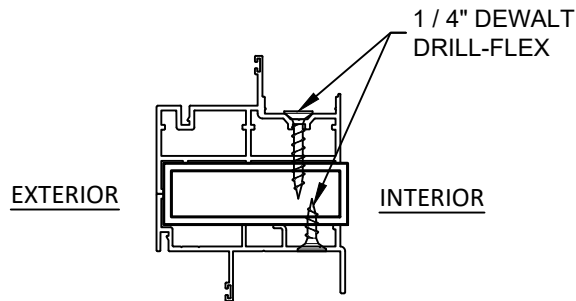
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2
CS TO CS
VERTICAL OR HORIZONTAL
LIGHT MULL



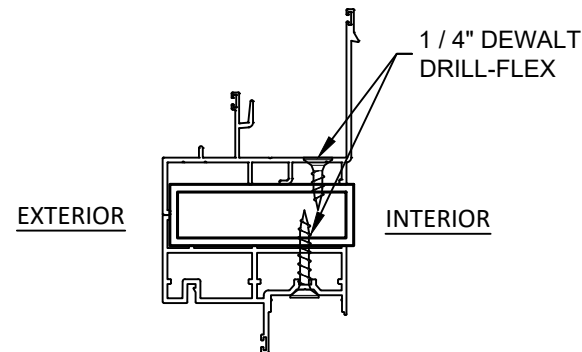
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2
CS TO SH
VERTICAL
LIGHT MULL



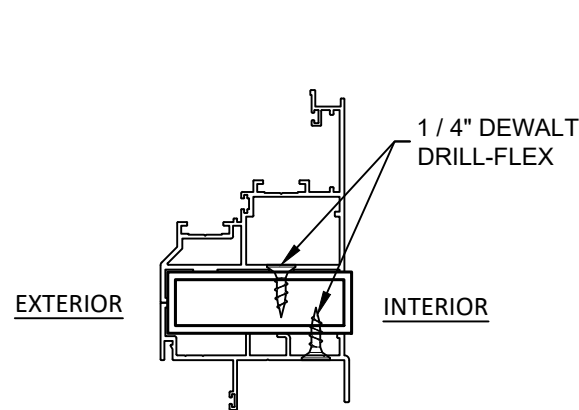
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2
SH TO SH
VERTICAL
LIGHT MULL



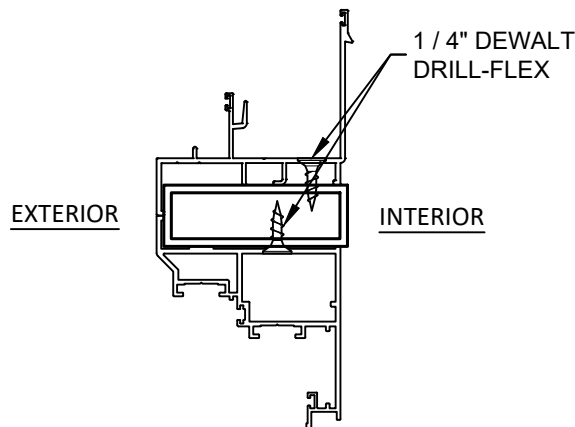
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2
FW TO SH
HORIZONTAL
LIGHT MULL



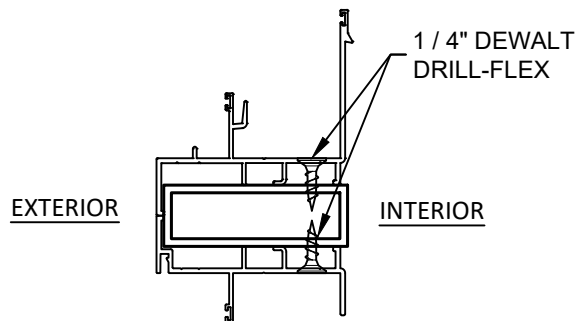
H
2
SH TO FW
HORIZONTAL
LIGHT MULL



I
2
CS TO SH
HORIZONTAL
LIGHT MULL



J
2
SH TO CS
HORIZONTAL
LIGHT MULL



K
2
SH TO SH
HORIZONTAL
LIGHT MULL

NOTE: FOR ANCHOR SPACING, REFER TO
FIXED WINDOW, CASEMENT WINDOW, AND
SINGLE HUNG WINDOW PRODUCT
APPROVALS.

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LIGHT MULL ASSEMBLY SECTIONS

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CHK. BY:
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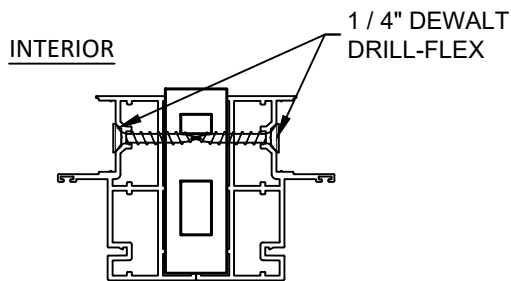
SHEET:

2

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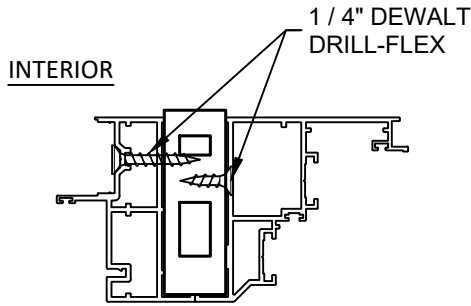
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L
3

FW TO FW

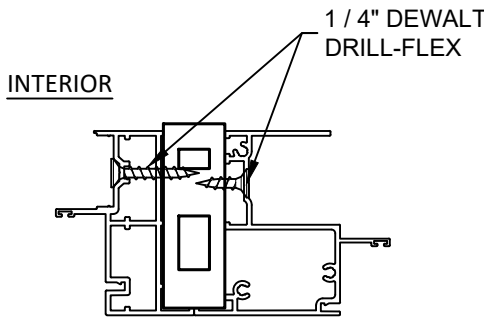
VERTICAL OR HORIZONTAL
HEAVY MULL



M
3

FW TO CS

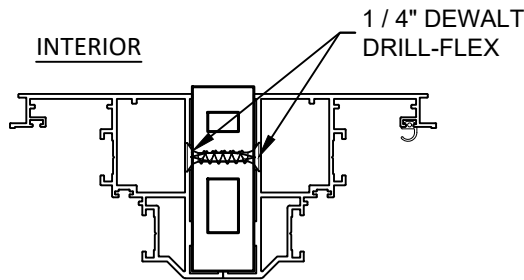
VERTICAL OR HORIZONTAL
HEAVY MULL



N
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FW TO SH

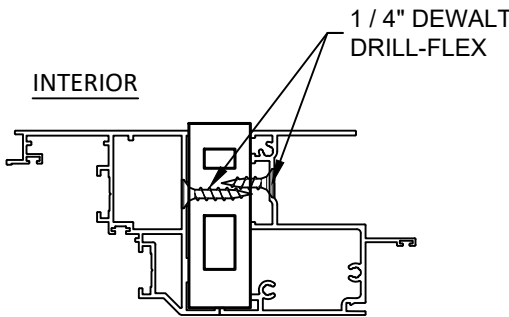
VERTICAL
HEAVY MULL



O
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CS TO CS

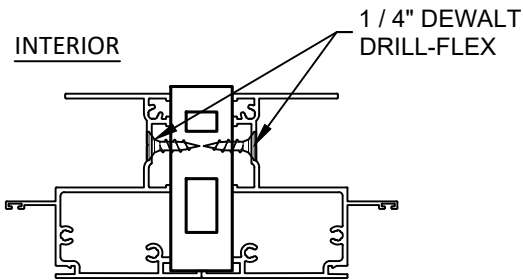
VERTICAL OR HORIZONTAL
HEAVY MULL



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CS TO SH

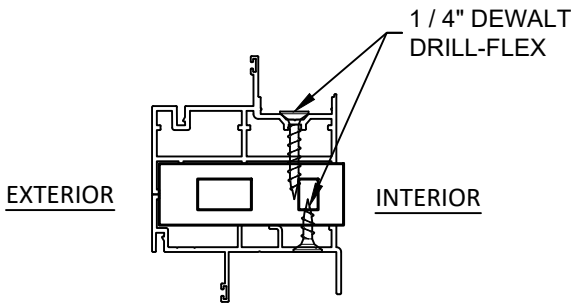
VERTICAL
HEAVY MULL



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SH TO SH

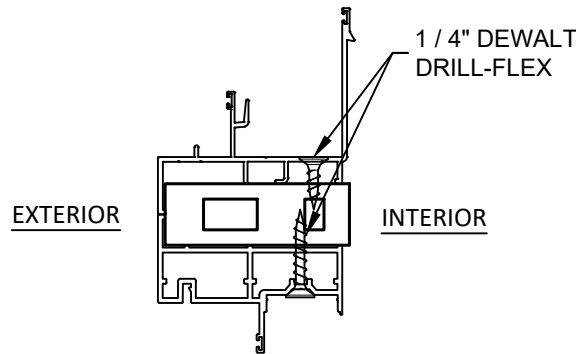
VERTICAL
HEAVY MULL



R
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FW TO SH

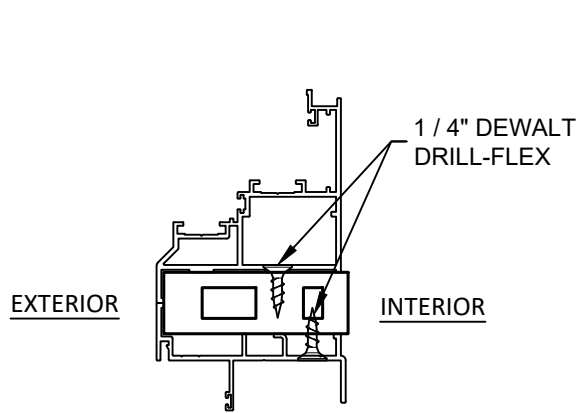
HORIZONTAL
HEAVY MULL



S
3

SH TO FW

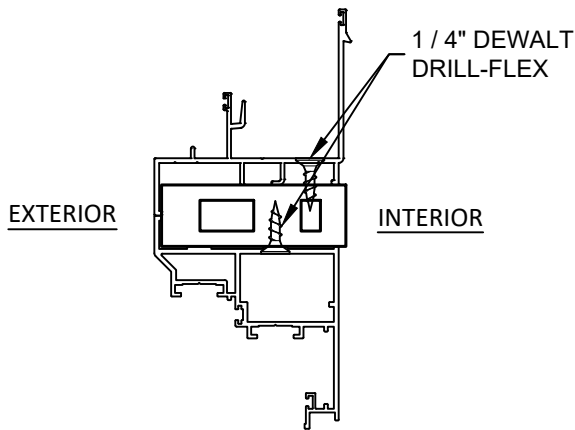
HORIZONTAL
HEAVY MULL



T
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CS TO SH

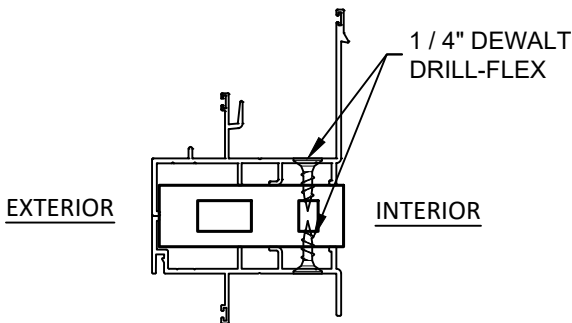
HORIZONTAL
HEAVY MULL



U
3

SH TO CS

HORIZONTAL
HEAVY MULL



V
3

SH TO SH

HORIZONTAL
HEAVY MULL

NOTE: FOR ANCHOR SPACING, REFER TO
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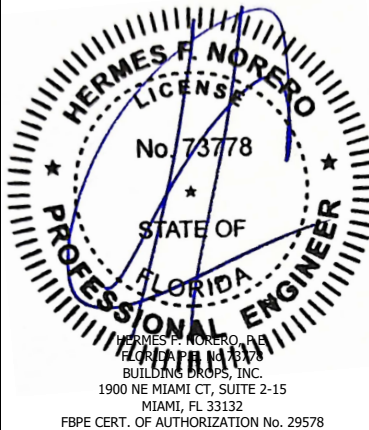
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SHEET:	3
REV.	A
OF	4

UNCLIPPED ALUMINUM LIGHT MULL TABLE: ONE-WAY

L - MULL LENGTH (IN)	ONE-WAY MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)											
	W - TRIBUTARY WIDTH (IN)											
	24	30	36	42	48	54	60	66	72	78	84	90
24	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
30	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
36	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
42	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
48	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
54	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
60	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
66	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
72	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
78	65.0	65.0	65.0	65.0	65.0	65.0	65.0	-	-	-	-	-
84	65.0	65.0	65.0	65.0	65.0	65.0	-	-	-	-	-	-
90	65.0	65.0	65.0	65.0	-	-	-	-	-	-	-	-

UNCLIPPED ALUMINUM HEAVY MULL TABLE: ONE-WAY

L - MULL LENGTH (IN)	ONE-WAY MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)											
	W - TRIBUTARY WIDTH (IN)											
	24	30	36	42	48	54	60	66	72	78	84	90
24	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
30	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
36	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
42	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
48	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
54	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
60	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
66	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
72	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
78	90.0	90.0	90.0	90.0	90.0	90.0	90.0	-	-	-	-	-
84	90.0	90.0	90.0	90.0	90.0	90.0	-	-	-	-	-	-
90	90.0	90.0	90.0	90.0	-	-	-	-	-	-	-	-

- NOTE:
1. MULLION CHART APPLIES TO LIGHT & HEAVY MULLION ASSEMBLIES, WHEN MULLED IN ONE-WAY, STACK OR RIBBON, CONFIGURATIONS.

2. DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.

3. 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.

4. TRIBUTARY WIDTH = W = (A+B)/2

5. REFER TO SHEETS 2-3 FOR SECTION DETAILS.

6. 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.

7. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING:
- FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.1 (E.G., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).

CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.2 (E.G., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).
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ONE-WAY MULLION TABLES

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- HERMES F. NORERO, P.E.
FLORIDA 73778
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1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578
- | | | |
|----------|----------|----------|
| FL #: | | FL40529 |
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| SHEET: | | 4 |
| | | REV. A |
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