

LINEA ROSSA WINDOWS AND DOORS

UNCLIPPED ALUMINUM MULLIONS

(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.

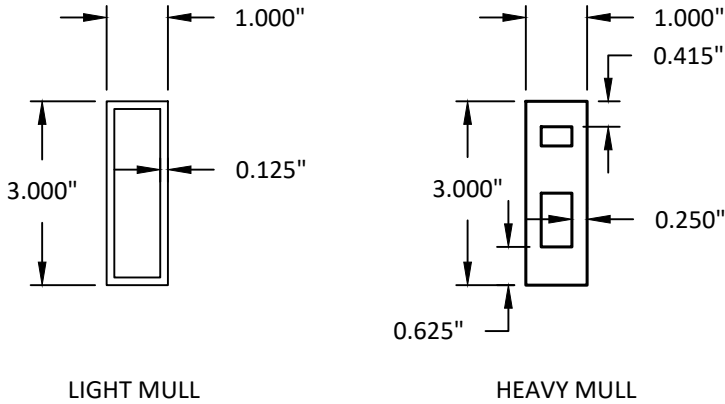


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2	LIGHT MULL ASSEMBLY SECTIONS
3	HEAVY MULL ASSEMBLY SECTIONS
4	ONE - WAY MULLION TABLES & CONFIGURATIONS

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

TITLE:
UNCLIPPED ALUMINUM MULLIONS
(HVHZ) (IMPACT)

GENERAL NOTES

PREPARED BY:

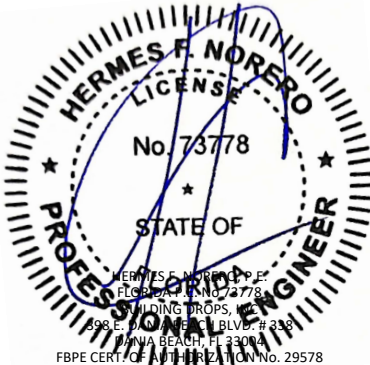
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.08.13 12:42:03 -04'00'



FL #:

FL42294

DATE: 07.10.23

DWG. BY: SH CHK. BY: HFN

SCALE: NTS

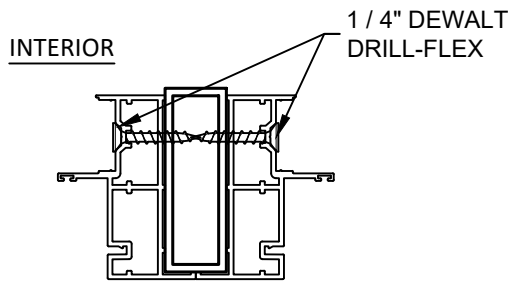
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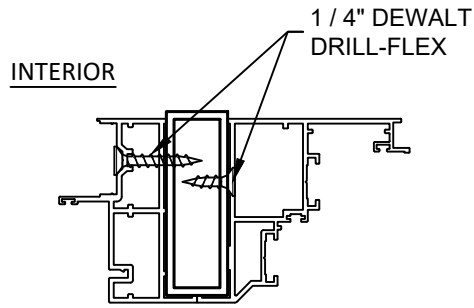
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OF 4

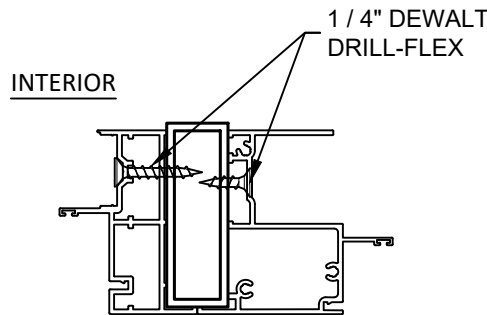
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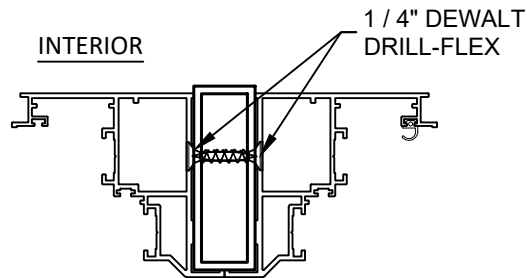
A
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FW TO FW
VERTICAL OR HORIZONTAL
LIGHT MULL



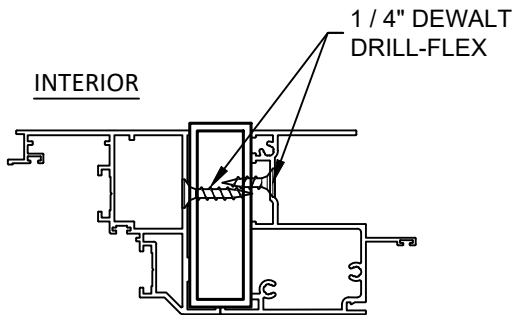
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FW TO CS
VERTICAL OR HORIZONTAL
LIGHT MULL



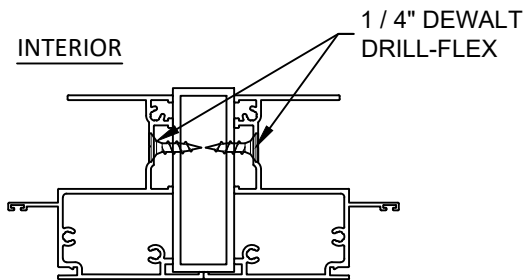
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2
FW TO SH
VERTICAL
LIGHT MULL



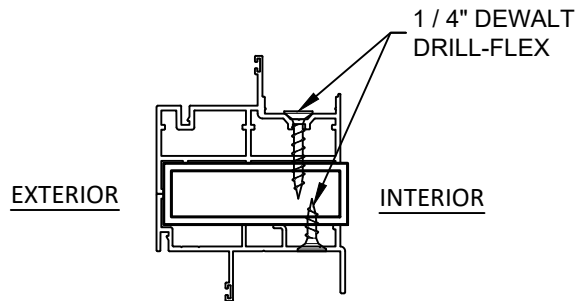
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CS TO CS
VERTICAL OR HORIZONTAL
LIGHT MULL



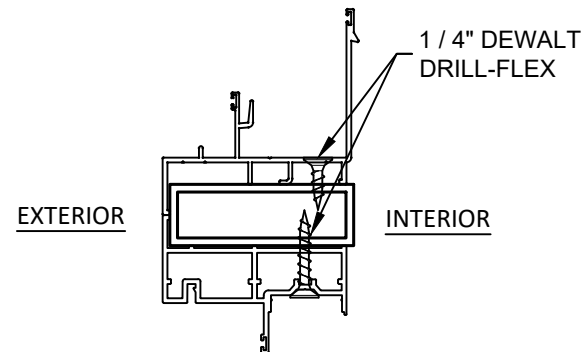
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CS TO SH
VERTICAL
LIGHT MULL



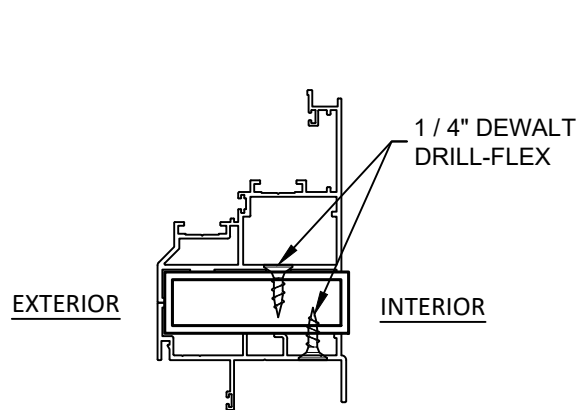
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SH TO SH
VERTICAL
LIGHT MULL



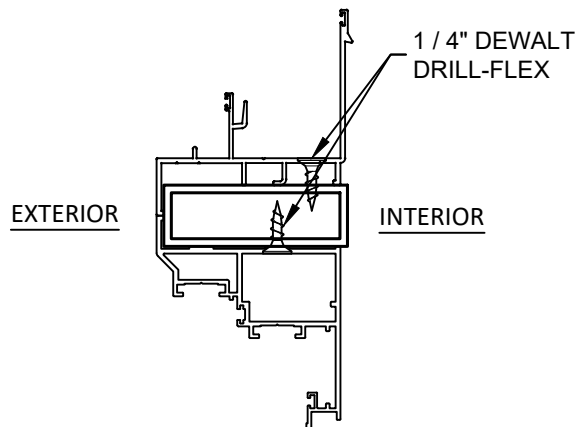
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2
FW TO SH
HORIZONTAL
LIGHT MULL



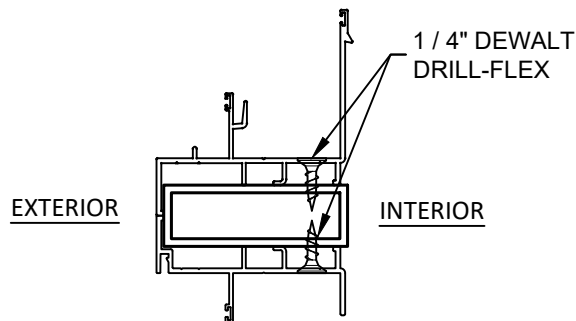
H
2
SH TO FW
HORIZONTAL
LIGHT MULL



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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TITLE:
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(HVHZ) (IMPACT)

LIGHT MULL ASSEMBLY SECTIONS

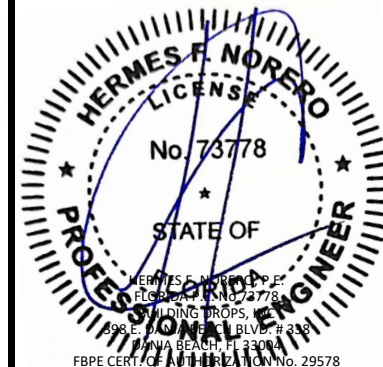
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CHK. BY: **HFN**

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DWG. #: **LRA010**

SHEET:
2

OF 4

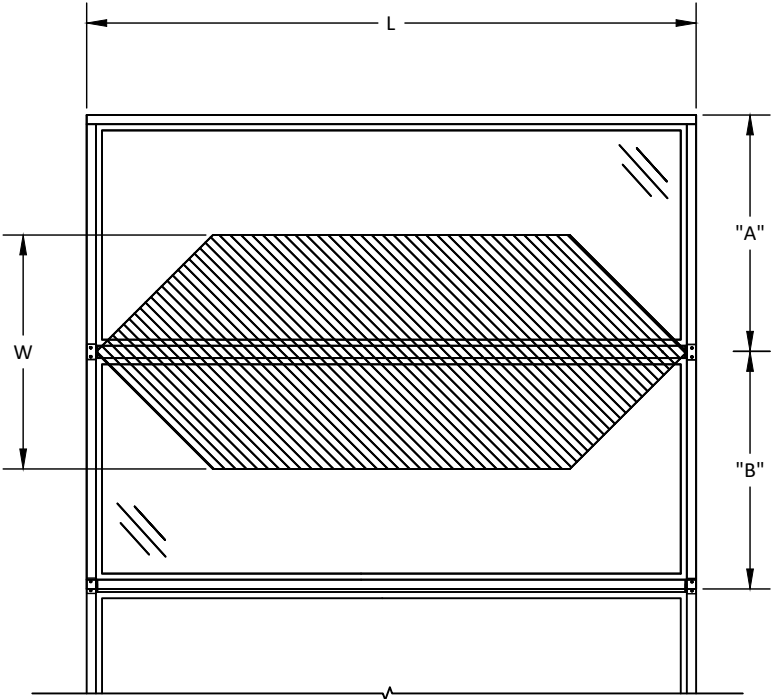
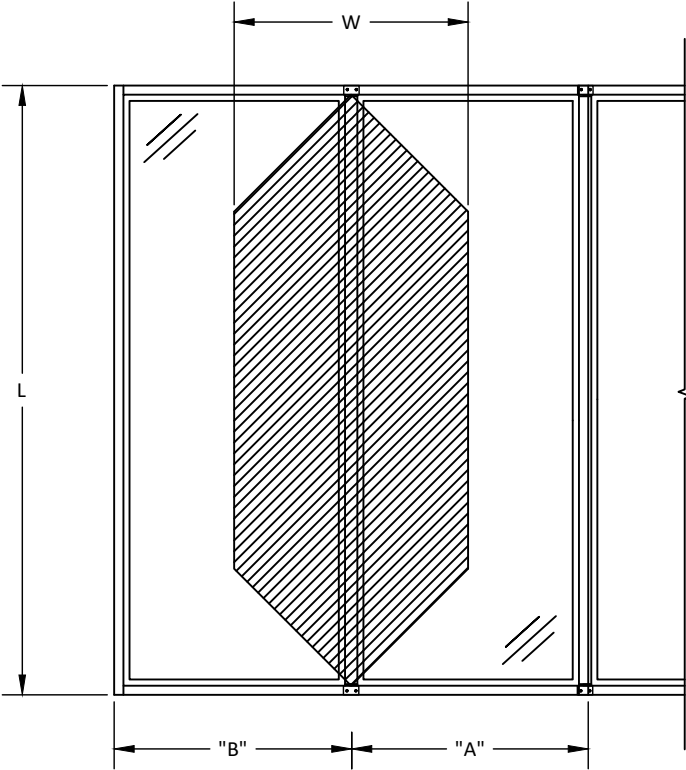
UNCLIPPED ALUMINUM LIGHT MULL TABLE: ONE-WAY

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:
- MULLION CHART APPLIES TO LIGHT & HEAVY MULLION 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.
 - TRIBUTARY WIDTH = $W = (A+B)/2$
 - REFER TO SHEETS 2-3 FOR SECTION 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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ONE-WAY MULLION TABLES

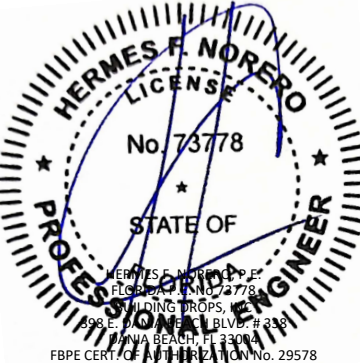
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OF 4	