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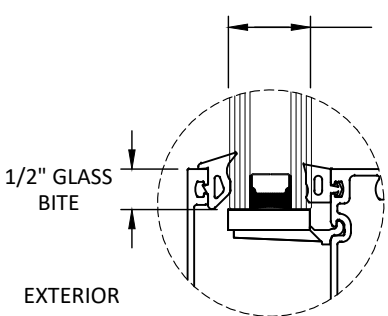
TUBELITE, INC.

900RW SERIES THERMAL RIBBON WINDOW

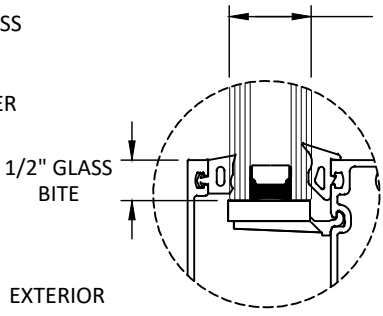
(NON-HVHZ)(NON-IMPACT)

GENERAL NOTES:

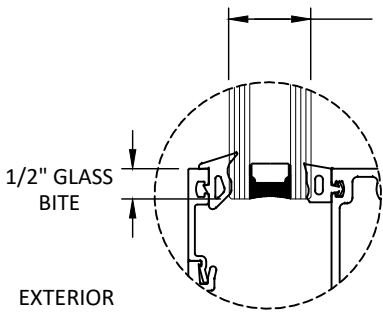
- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), **EXCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - ASTM E 283-04(12)
 - ASTM E 331-00(09)
 - ASTM E 330-14
 - ASTM E 547-09
 - AAMA 501-15
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING AND METAL STUD FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- WINDOW WALL FRAME MATERIAL: ALUMINUM 6063-T6
- ALL STRUCTURAL MATERIALS & DISSIMILAR METALS SHALL BE PROTECTED, TREATED, PAINTED, COATED, AND/OR ISOLATED AS REQUIRED IN THE APPLICABLE SECTIONS OF THE CURRENT FLORIDA BUILDING CODE AND REFERENCED DESIGN SPECIFICATIONS.
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.
- GLASS SHALL BE SET WITH THE USE OF SETTING BLOCKS IN ACCORDANCE WITH CHAPTER 24 OF THE CURRENT FLORIDA BUILDING CODE.
- GLAZING GASKETS SHALL MEET THE MINIMUM PERFORMANCE REQUIREMENTS AS APPLICABLE IN CHAPTER 24 OF THE FLORIDA BUILDING CODE.



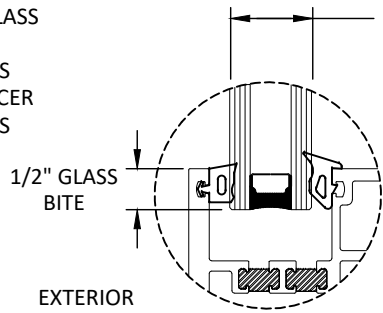
GLAZING DETAIL 1
SILL OUTSIDE GLAZED



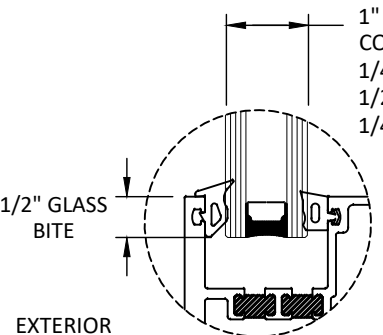
GLAZING DETAIL 2
SILL INSIDE GLAZED



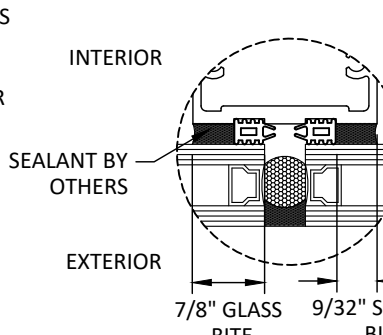
GLAZING DETAIL 3
HEAD OUTSIDE GLAZED



GLAZING DETAIL 4
HEAD/JAMB/MULLION INSIDE GLAZED



GLAZING DETAIL 5
MULLION/JAMB OUTSIDE GLAZED



GLAZING DETAIL 6
STRUCTURAL GLAZING

GLAZING NOTES:

- GLASS TYPE COMPLIES WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
- SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
- TWO APPROVED SETTING BLOCKS SHALL BE USED FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
- D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES IN SIZE CHARTS.

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MISSILE IMPACT RATING	DESIGN PRESSURE
NOT IMPACT RATED	SEE SHEETS 3, 5, 7-12, & 18 FOR DESIGN PRESSURE LIMITATIONS

INSTRUCTIONS FOR USE:

- DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BUILDING HEIGHT, WIND ZONE, USING APPLICABLE ASCE 7 STANDARD.
- CHECK MULLION CAPACITY FOR A GIVEN WIDTH AND HEIGHT USING CHARTS ON SHEETS 7-12 FOR VERTICAL MULLIONS, AND SHEETS 3 & 5 FOR HORIZONTAL MULLIONS, IF APPLICABLE. THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- USING CHART ON SHEET 18, SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- THE LOWEST VALUE RESULTING FROM STEP 2 AND 3 SHALL APPLY TO ENTIRE SYSTEM.

TUBELITE
DEPENDABLE
LEADERS IN ECO-EFFICIENT STOREFRONT,
CURTAINWALL AND ENTRANCE SYSTEMS

3056 WALKER RIDGE DRIVE N.W.
WALKER, MICHIGAN 49544
PH: 800 866 2227 FX: 616 301 0008

TITLE: 900RW SERIES THERMAL
RIBBON WINDOW
(NON-HVHZ)(NON-IMPACT)

GENERAL NOTES & GLAZING DETAILS

PREPARED BY:

BUILDING DROPS, INC.

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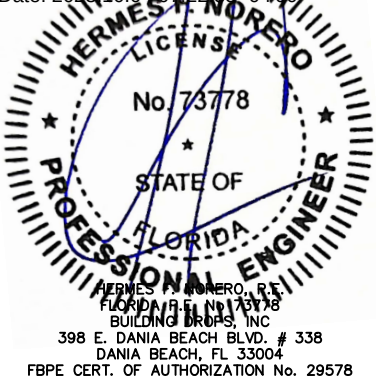
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REMARKS	BY	DATE
FBC 2020 UPDATE	LL	10/5
FBC 2023 REVISION	FB	08/25/23

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.10.04 07:22:35 -0400



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DATE: **12.10.19**

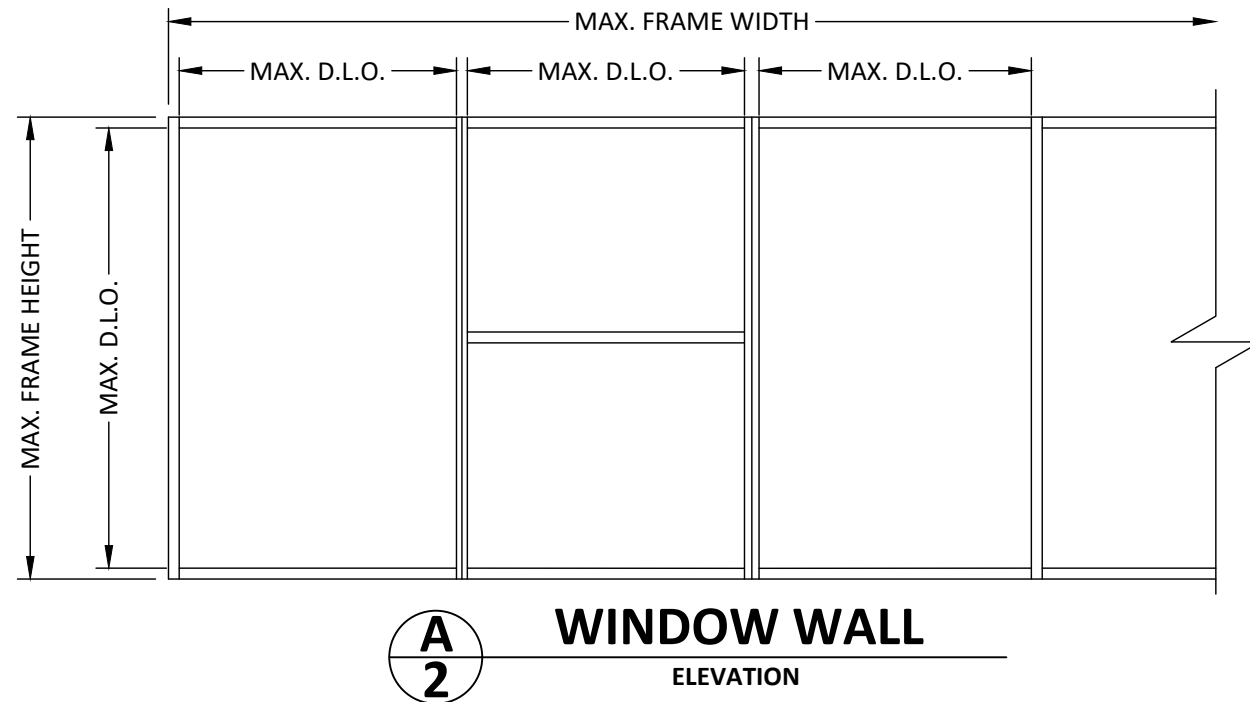
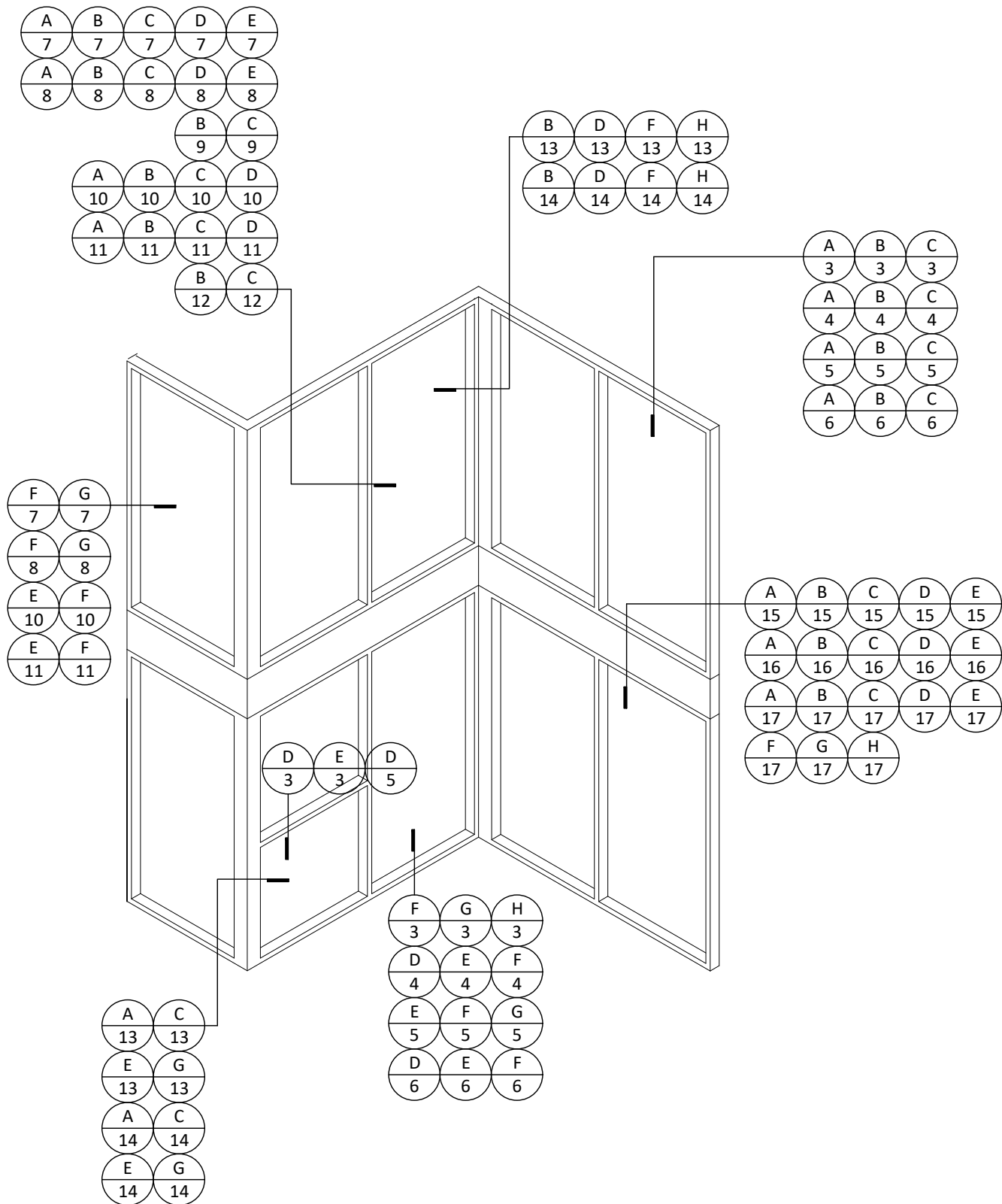
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SCALE: **NTS**

DWG. #: **TLI002**

SECTION

1



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ELEVATIONS

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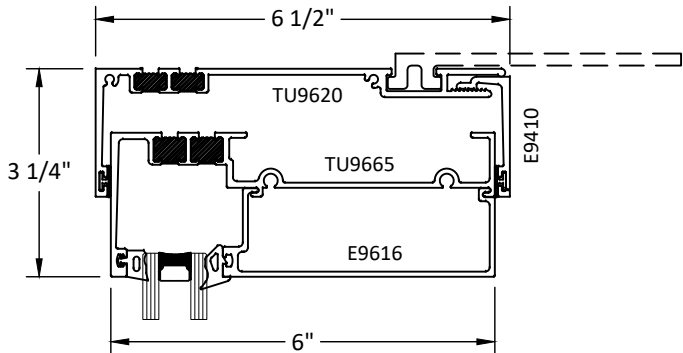
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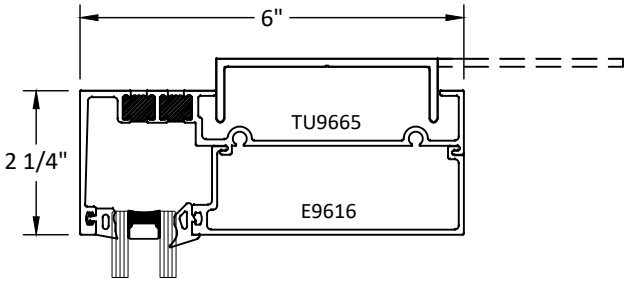
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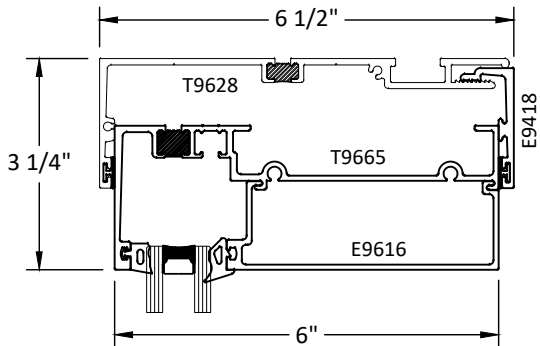
INSIDE GLAZED HORIZONTAL DETAILS



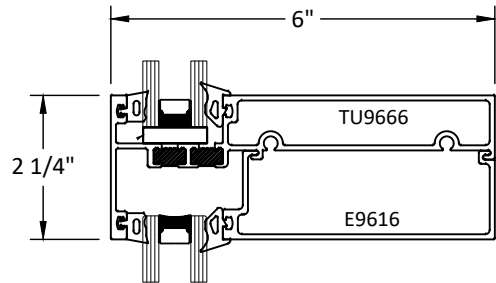
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3
HEAD
WITH HEAD STARTER
DUAL POUR, INSIDE GLAZED



B
3
HEAD
WITHOUT HEAD RECEPTOR
DUAL POUR, INSIDE GLAZED



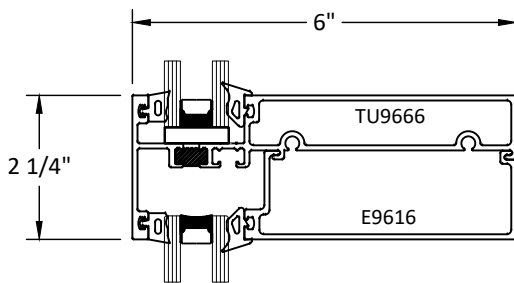
C
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SINGLE POUR, INSIDE GLAZED



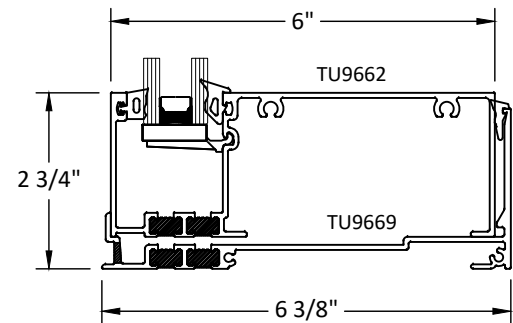
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3
HORIZ. MULLION
DUAL POUR, INSIDE GLAZED

DESIGN PRESSURE TABLE: HORIZONTAL MEMBER		
MEMBER SPAN "W"	MAX. HEIGHT ABOVE HORIZ.	DESIGN PRESSURE (PSF)
60	36	+46 / -34
60	48	+40 / -30
60	60	+38 / -28

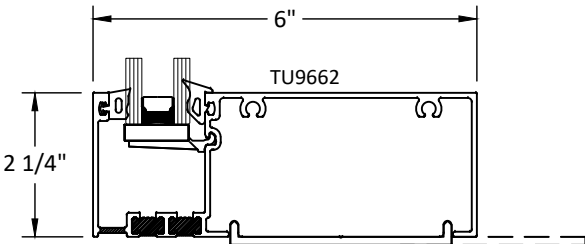
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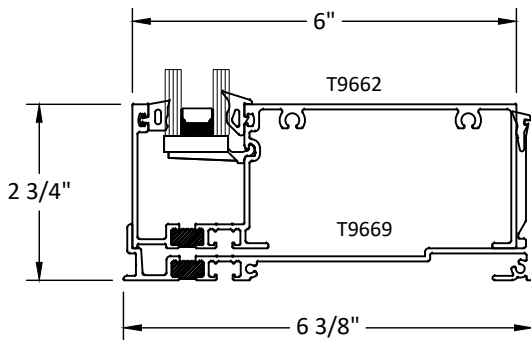
E
3
HORIZ. MULLION
SINGLE POUR, INSIDE GLAZED



F
3
SILL
WITH SILL RECEPTOR
DUAL POUR, INSIDE GLAZED



G
3
SILL
WITHOUT SILL RECEPTOR
DUAL POUR, INSIDE GLAZED



H
3
SILL
SINGLE POUR, INSIDE GLAZED

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6" SYSTEM INSIDE GLAZED
HORIZONTAL DETAILS

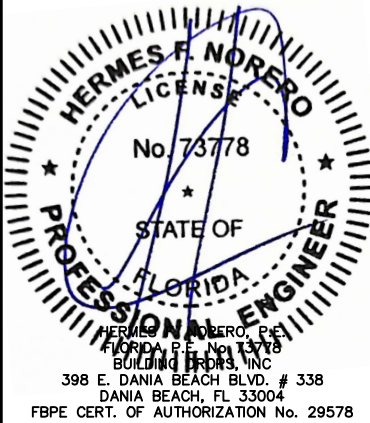
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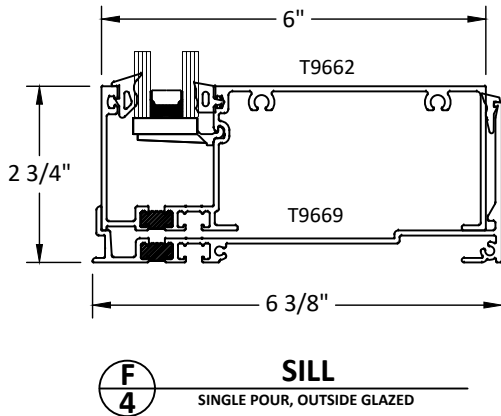
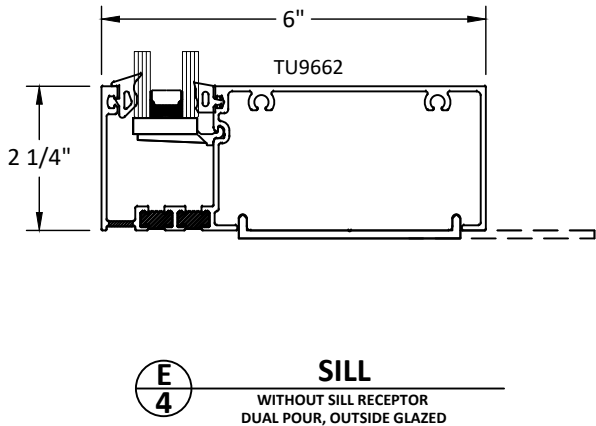
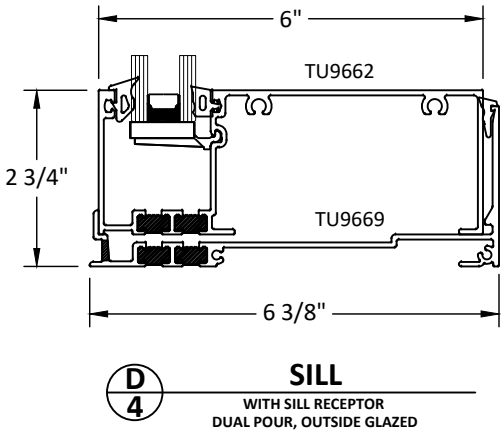
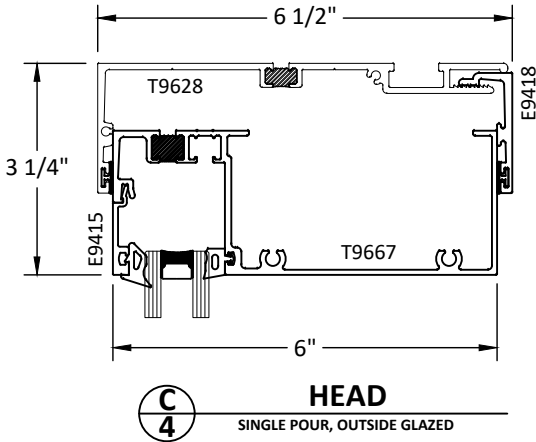
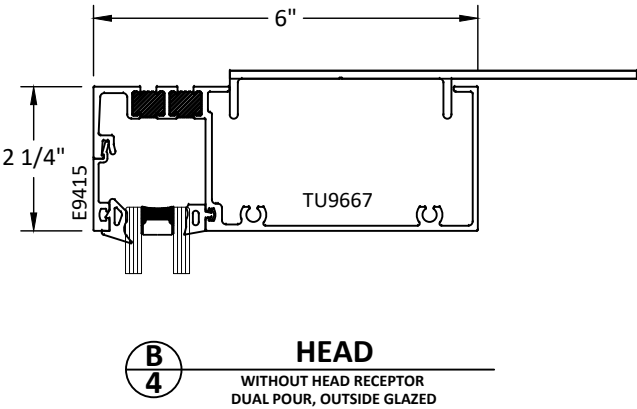
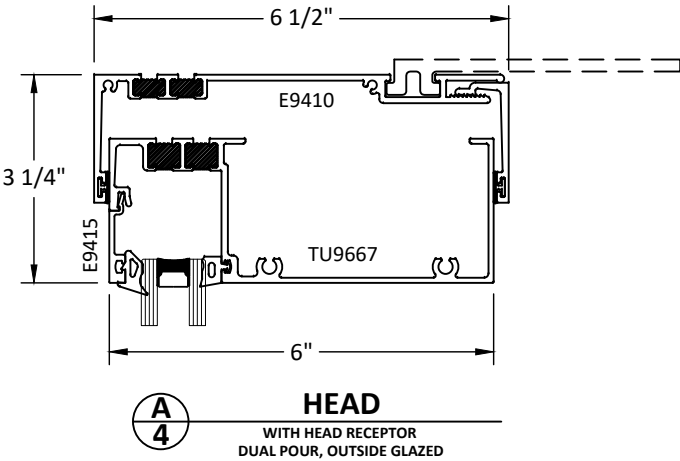
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SECTION	3

6" OUTSIDE GLAZED HORIZONTAL DETAILS



NOTE:
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6" SYSTEM OUTSIDE GLAZED
HORIZONTAL DETAILS

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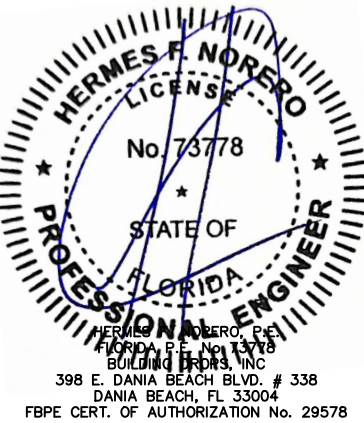
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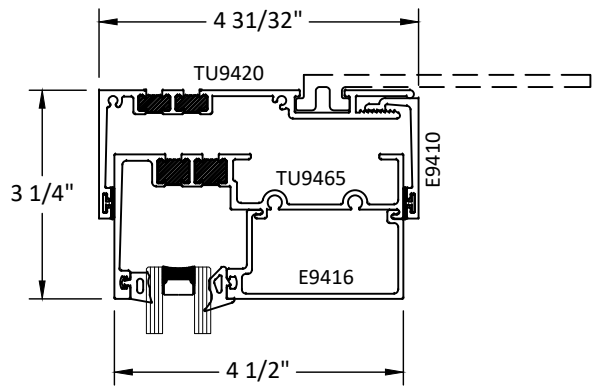
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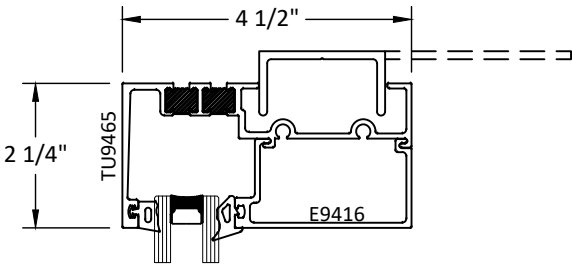
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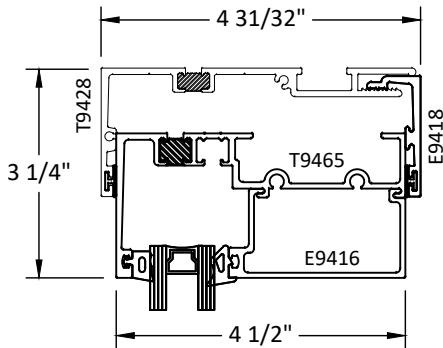
4-1/2" INSIDE GLAZED HORIZONTAL DETAILS



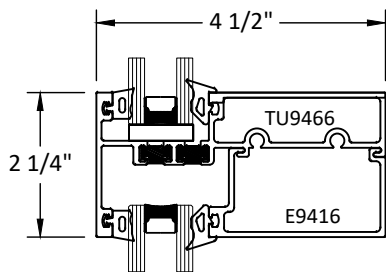
A
5
HEAD
WITH HEAD STARTER
DUAL POUR, INSIDE GLAZED



B
5
HEAD
WITHOUT HEAD RECEPTOR
DUAL POUR, INSIDE GLAZED



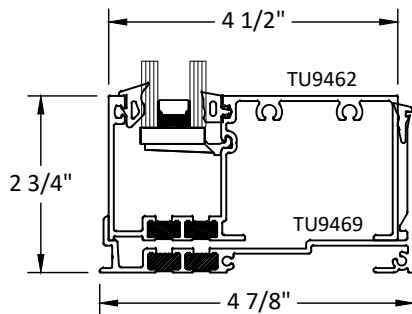
C
5
HEAD
SINGLE POUR, INSIDE GLAZED



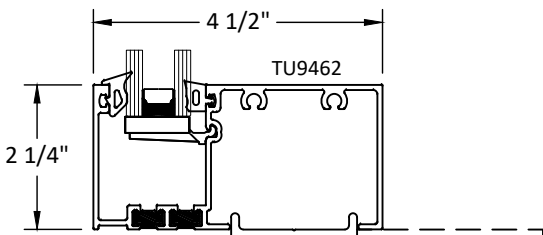
D
5
HORIZ. MULLION
DUAL POUR, INSIDE GLAZED

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48	36	+45 / -33
48	48	+39 / -30
48	60	+37 / -28

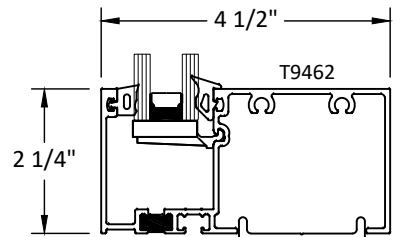
NOTE: HORIZONTAL MEMBER CAPACITY IS LIMITED BY SINGLE SPAN.



E
5
SILL
WITH SILL RECEPTOR
DUAL POUR, INSIDE GLAZED



F
5
SILL
WITHOUT SILL RECEPTOR
DUAL POUR, INSIDE GLAZED



G
5
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4-1/2" SYSTEM INSIDE GLAZED
HORIZONTAL DETAILS

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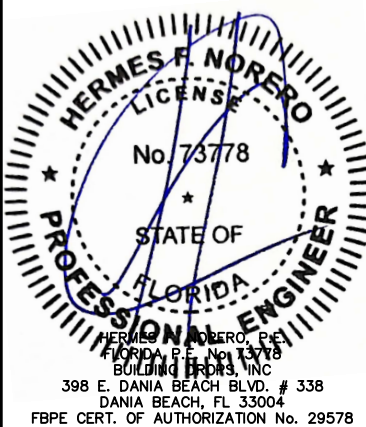
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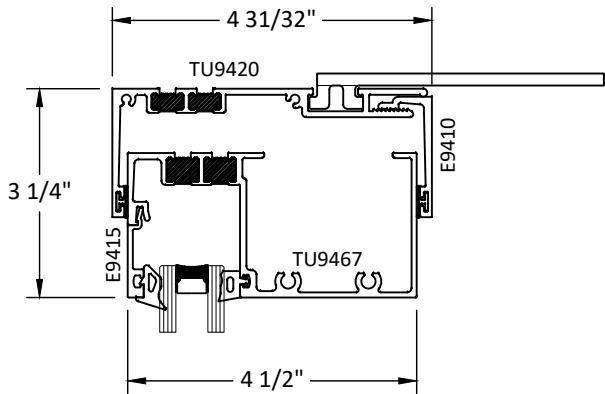
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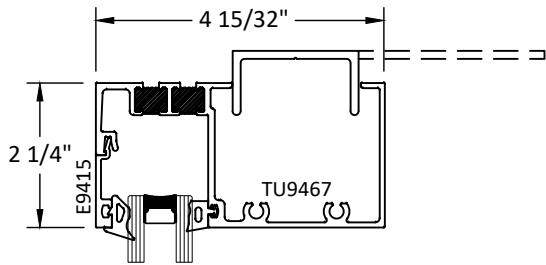


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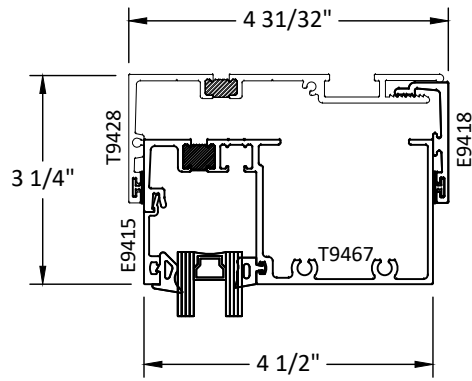
4-1/2" OUTSIDE GLAZED HORIZONTAL DETAILS



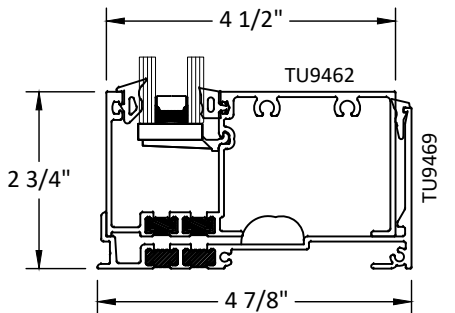
A
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WITH HEAD RECEPTOR
DUAL POUR, OUTSIDE GLAZED



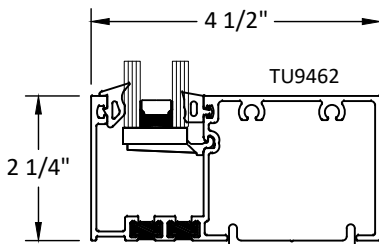
B
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HEAD
WITHOUT HEAD RECEPTOR
DUAL POUR, OUTSIDE GLAZED



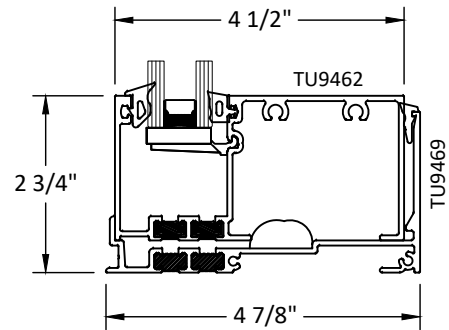
C
6
HEAD
SINGLE POUR, OUTSIDE GLAZED



D
6
SILL
WITH SILL RECEPTOR
DUAL POUR, OUTSIDE GLAZED



E
6
SILL
WITHOUT SILL RECEPTOR
DUAL POUR, OUTSIDE GLAZED



F
6
SILL
SINGLE POUR, OUTSIDE GLAZED

NOTE:
SINGLE POUR VERSIONS OF ALL
DUAL POURS APPLY. UNIQUE SINGLE
POUR OPTIONS ALSO SHOWN

TUBELITE
DEPENDABLE
LEADERS IN ECO-EFFICIENT STOREFRONT,
CURTAINWALL AND ENTRANCE SYSTEMS

3056 WALKER RIDGE DRIVE N.W.
WALKER, MICHIGAN 49544
PH: 800 866 2227 FX: 616 301 0008

TITLE: 900RW SERIES THERMAL
RIBBON WINDOW
(NON-HVHZ)/(NON-IMPACT)

4-1/2" SYSTEM OUTSIDE GLAZED
HORIZONTAL DETAILS

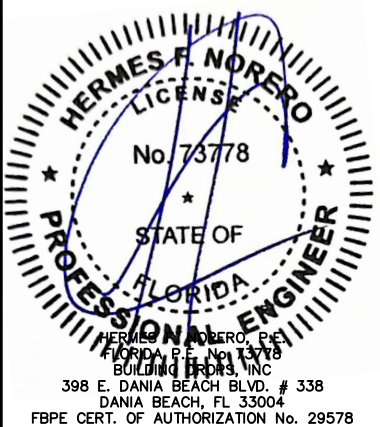
PREPARED BY:

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



REMARKS	BY	DATE
FBC 2020 UPDATE	LL	10/5
FBC 2023 REVISION	FB	08/25/23

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DOCUMENTS FOR USE WITH THIS DOCUMENT

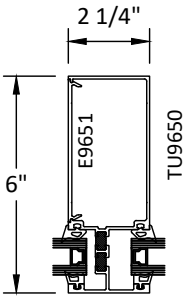


FL #:	FL21062
DATE:	12.10.19
DWG. BY:	JA
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	TLI002
SECTION	6

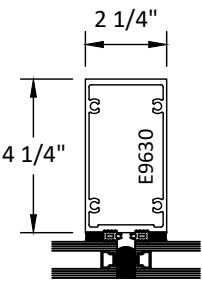
6" SYSTEM INSIDE GLAZED VERTICAL DETAILS
DESIGN PRESSURES

VERTICAL MEMBER DESIGN PRESSURE, TABLE 1 (psf)

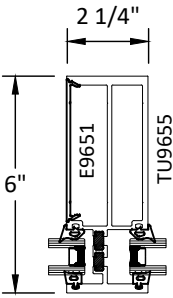
		WIDTH 'W' (INCHES)																	
MEMBER SPAN 'H' (INCHES)		24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	84.0	90.0	96.0	102.0	108.0	114.0	120.0	
	24.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	
	30.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	
	36.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	
	42.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	
	48.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	54.2	
	54.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	59.5	53.4	48.2	
	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	53.5	48.1	43.4	
	66.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	54.6	48.7	43.7	39.4	
	72.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	56.5	50.0	44.6	40.1	36.1	
	78.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	59.3	52.1	46.2	41.2	37.0	33.4	
	84.0	60.0	60.0	60.0	60.0	60.0	60.0	57.6	55.4	54.0	53.2	52.9	52.9	48.4	42.9	38.2	34.3	31.0	
	90.0	60.0	60.0	60.0	60.0	58.9	54.9	51.8	49.6	48.0	46.9	46.3	46.1	45.2	40.0	35.7	32.0	28.9	
	96.0	60.0	60.0	60.0	59.2	54.0	50.1	47.1	44.9	43.2	42.0	41.1	40.7	40.5	37.5	33.5	30.0	27.1	
	102.0	60.0	60.0	60.0	54.9	49.8	46.1	43.2	41.0	39.3	38.0	36.9	36.0	35.5	35.3	31.5	28.3	25.5	
	108.0	60.0	60.0	57.6	51.1	46.3	42.7	39.7	37.1	34.9	33.2	31.9	31.0	30.3	29.9	29.7	26.7		
	114.0	60.0	60.0	51.6	44.9	39.9	36.2	33.3	31.0	29.2	27.8	26.7	25.9	25.2	24.8	24.5			
	120.0	60.0	52.3	44.0	38.2	34.0	30.7	28.2	26.2	24.7	23.4	22.4	21.6	20.9	20.5				



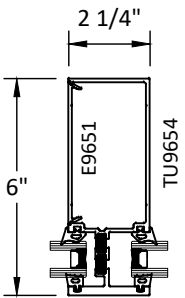
A
MULLION OPTION 1
DUAL POUR, INSIDE GLAZED



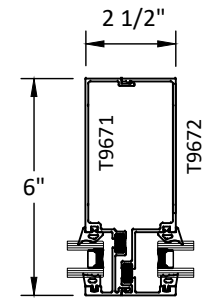
B
MULLION OPTION 2
DUAL POUR, INSIDE GLAZED



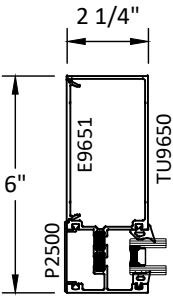
C
MULLION OPTION 3
DUAL POUR, INSIDE GLAZED



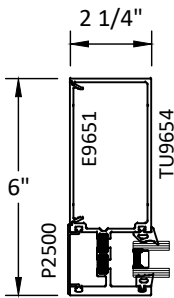
D
MULLION OPTION 4
DUAL POUR, INSIDE GLAZED



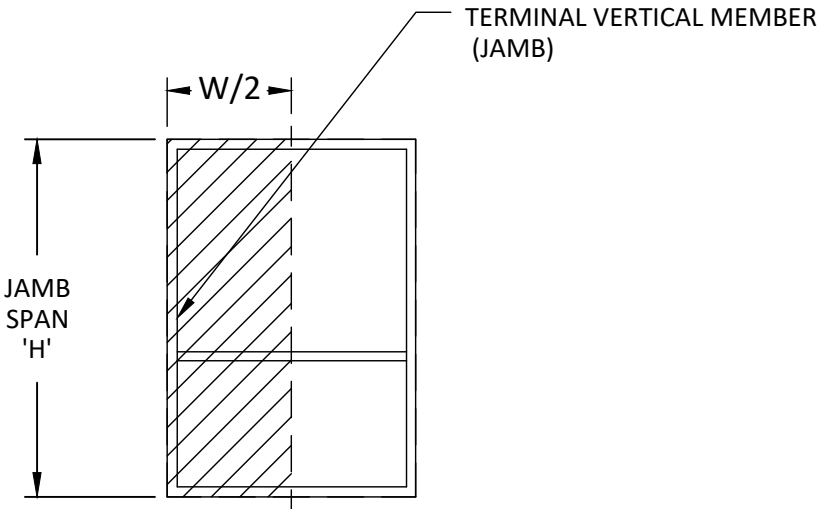
E
MULLION OPTION 5
SINGLE POUR, INSIDE GLAZED



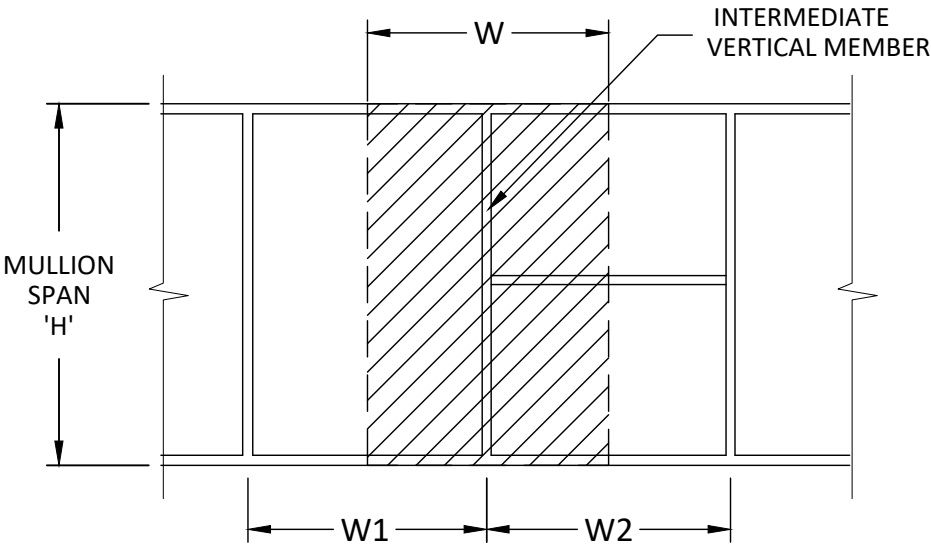
F
JAMB OPTION 1
DUAL POUR, INSIDE GLAZED



G
JAMB OPTION 2
DUAL POUR, INSIDE GLAZED



H
ELEVATION A
JAMB



I
ELEVATION B
VERTICAL MULLION

WIDTH (W) = $\frac{W1 + W2}{2}$

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6" SYSTEM INSIDE GLAZED VERTICAL
DETAILS DESIGN PRESSURE

PREPARED BY:

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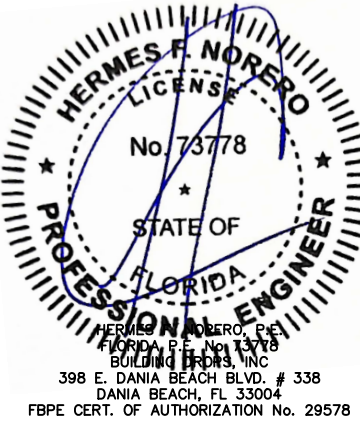
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DATE: **12.10.19**

DWG. BY: **JA** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **TLI002**

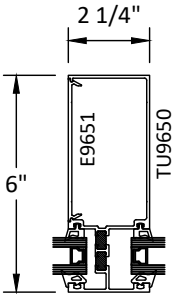
SECTION

7

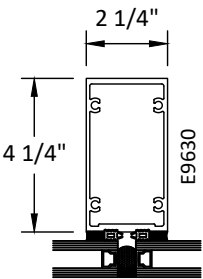
6" SYSTEM OUTSIDE GLAZED VERTICAL DETAILS DESIGN PRESSURES

VERTICAL MEMBER DESIGN PRESSURE, TABLE 2 (psf) (SAME AS TABLE 1)

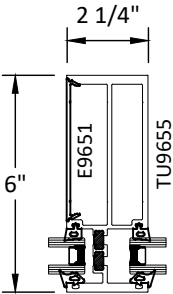
		WIDTH 'W' (INCHES)																
MEMBER SPAN 'H' (INCHES)		24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	84.0	90.0	96.0	102.0	108.0	114.0	120.0
	24.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	30.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	36.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	42.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	48.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	54.2
	54.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	59.5	53.4	48.2
	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	53.5	48.1	43.4
	66.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	54.6	48.7	43.7	39.4
	72.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	56.5	50.0	44.6	40.1	36.1
	78.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	59.3	52.1	46.2	41.2	37.0	33.4
	84.0	60.0	60.0	60.0	60.0	60.0	60.0	57.6	55.4	54.0	53.2	52.9	52.9	48.4	42.9	38.2	34.3	31.0
	90.0	60.0	60.0	60.0	60.0	58.9	54.9	51.8	49.6	48.0	46.9	46.3	46.1	45.2	40.0	35.7	32.0	28.9
	96.0	60.0	60.0	60.0	59.2	54.0	50.1	47.1	44.9	43.2	42.0	41.1	40.7	40.5	37.5	33.5	30.0	27.1
	102.0	60.0	60.0	60.0	54.9	49.8	46.1	43.2	41.0	39.3	38.0	36.9	36.0	35.5	35.3	31.5	28.3	25.5
	108.0	60.0	60.0	57.6	51.1	46.3	42.7	39.7	37.1	34.9	33.2	31.9	31.0	30.3	29.9	29.7	26.7	
	114.0	60.0	60.0	51.6	44.9	39.9	36.2	33.3	31.0	29.2	27.8	26.7	25.9	25.2	24.8	24.5		
	120.0	60.0	52.3	44.0	38.2	34.0	30.7	28.2	26.2	24.7	23.4	22.4	21.6	20.9	20.5			



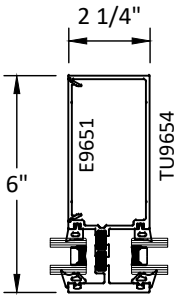
A
8 MULLION OPTION 1
DUAL POUR, OUTSIDE GLAZED



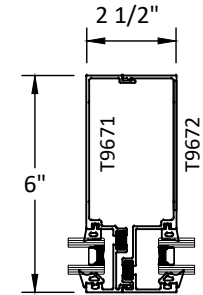
B
8 MULLION OPTION 2
DUAL POUR, OUTSIDE GLAZED



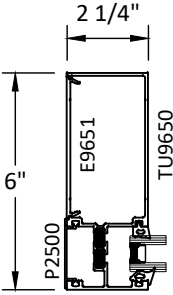
C
8 MULLION OPTION 3
DUAL POUR, OUTSIDE GLAZED



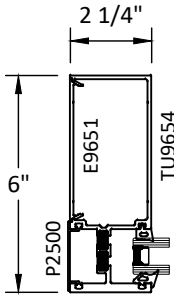
D
8 MULLION OPTION 4
DUAL POUR, OUTSIDE GLAZED



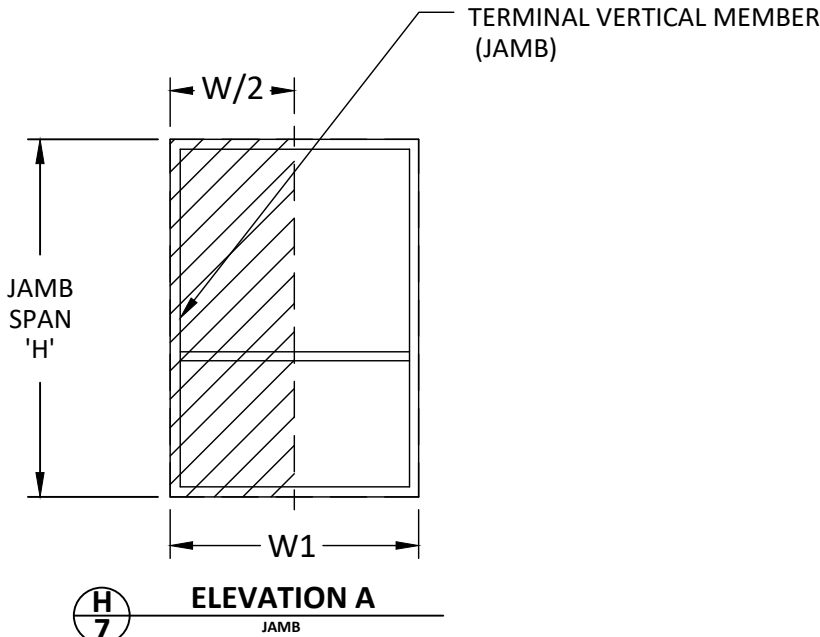
E
8 MULLION OPTION 5
SINGLE POUR, OUTSIDE GLAZED



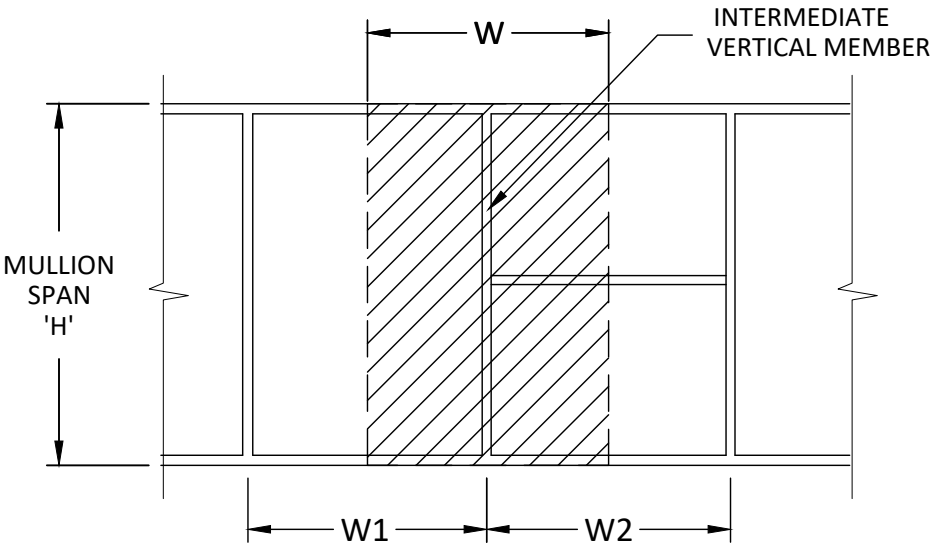
F
8 JAMB OPTION 1
DUAL POUR, OUTSIDE GLAZED



G
8 JAMB OPTION 2
DUAL POUR, OUTSIDE GLAZED



WIDTH (W) = $\frac{W1}{2}$



WIDTH (W) = $\frac{W1 + W2}{2}$

NOTE:
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6" SYSTEM OUTSIDE GLAZED VERTICAL
DETAILS DESIGN PRESSURE

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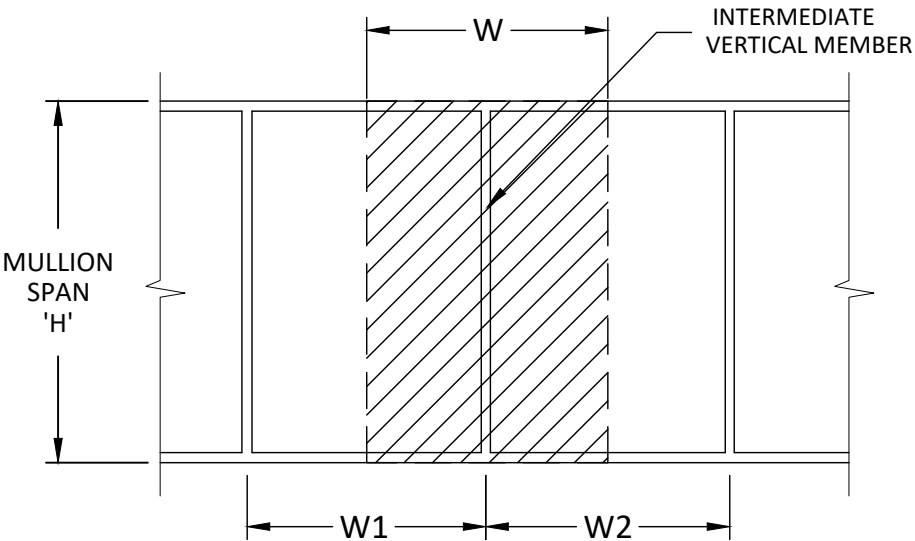
SCALE: **NTS**

DWG. #: **TLI002**

SECTION
8

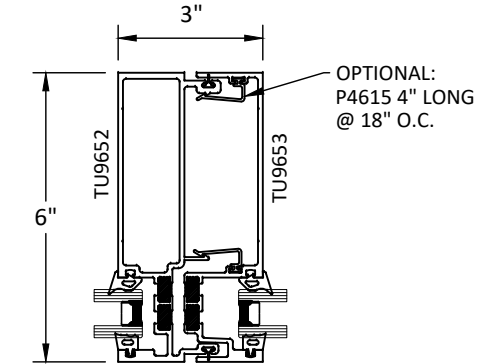
6" SYSTEM INSIDE/OUTSIDE GLAZED EXPANSION
VERTICAL DETAILS DESIGN PRESSURES

VERTICAL MEMBER DESIGN PRESSURE, TABLE 3 (psf)																			
MEMBER SPAN 'H' (INCHES)	WIDTH 'W' (INCHES)																		
		24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	84.0	90.0	96.0	102.0	108.0	114.0	120.0	
	24.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
	30.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
	36.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
	42.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
	48.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	40.7
	54.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	44.6	40.1	36.1	
	60.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	40.2	36.0	32.5	
	66.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	40.9	36.5	32.8	29.6	
	72.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	42.4	37.5	33.5	30.0	27.1	
	78.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	44.5	39.1	34.6	30.9	27.7	25.0	
	84.0	45.0	45.0	45.0	45.0	45.0	45.0	43.2	41.6	40.5	39.9	39.7	39.7	36.3	32.2	28.7	25.7	23.2	
	90.0	45.0	45.0	45.0	45.0	44.2	41.1	38.9	37.2	36.0	35.2	34.7	34.6	33.9	30.0	26.8	24.0	21.7	
	96.0	45.0	45.0	45.0	44.4	40.5	37.6	35.3	33.7	32.4	31.5	30.9	30.5	30.4	28.1	25.1	22.5	20.3	
	102.0	45.0	45.0	45.0	41.1	37.4	34.6	32.4	30.7	29.5	28.5	27.7	27.0	26.6	26.5	23.6	21.2	19.1	
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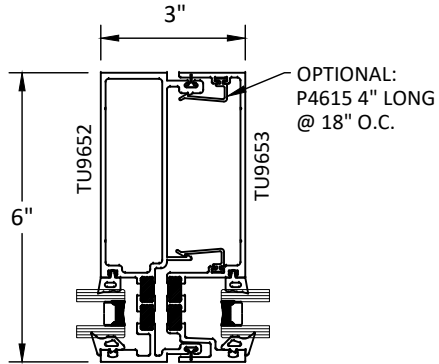


A
9 ELEVATION A
VERTICAL MULLION

WIDTH (W) = $\frac{W1 + W2}{2}$



B
9 MULLION OPTION 1
DUAL POUR, INSIDE GLAZED



C
9 MULLION OPTION 2
DUAL POUR, OUTSIDE GLAZED

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WALKER, MICHIGAN 49544
PH: 800 866 2227 FX: 616 301 0008

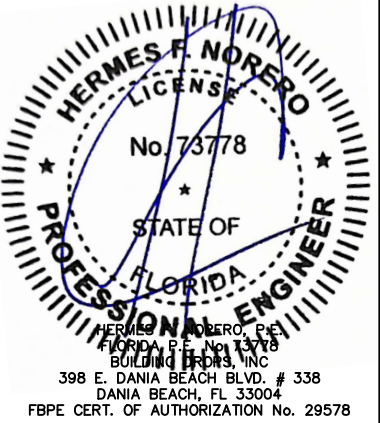
TITLE: 900RW SERIES THERMAL
RIBBON WINDOW
(NON-HVHZ)/(NON-IMPACT)
6" SYSTEM OUTSIDE/INSIDE GLAZED
EXPANSION VERTICAL DETAILS
DESIGN PRESSURE

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
FBC 2020 UPDATE	LL	10/5
FBC 2023 REVISION	FB	08/25/23

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DOCUMENTS FOR USE WITH THIS DOCUMENT



FL #:
FL21062

DATE: **12.10.19**

DWG. BY: **JA** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **TLI002**

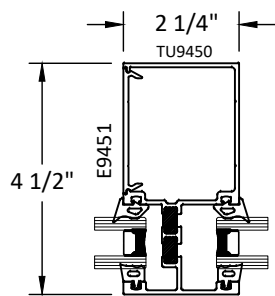
SECTION
9

4-1/2" SYSTEM INSIDE GLAZED VERTICAL DETAILS

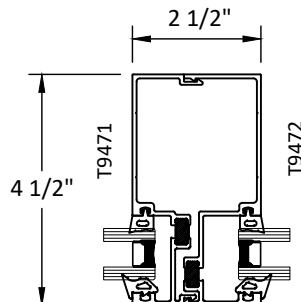
DESIGN PRESSURES

VERTICAL MEMBER DESIGN PRESSURE, TABLE 4 (psf)

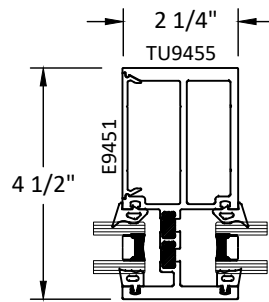
		WIDTH 'W' (INCHES)																
		24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	84.0	90.0	96.0	102.0	108.0	114.0	120.0
MEMBER SPAN 'H' (INCHES)	24.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	30.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	36.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	59.0	55.7	52.8	50.2
	42.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	57.3	53.7	50.6	47.8	45.3	43.0
	48.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	55.7	51.4	47.8	44.6	41.8	39.3	37.1	35.2	33.4
	54.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	55.7	51.4	47.8	44.6	41.8	39.3	37.1	35.2	33.4
	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	54.7	50.2	46.3	43.0	40.1	37.6	35.4	33.4	31.7	30.1
	66.0	60.0	60.0	60.0	60.0	60.0	60.0	54.7	49.7	45.6	42.1	39.1	36.5	34.2	32.2	30.4	28.8	27.4
	72.0	60.0	60.0	60.0	60.0	60.0	55.7	50.2	45.6	41.8	38.6	35.8	33.4	31.3	29.5	27.9	26.4	25.1
	78.0	60.0	60.0	60.0	60.0	57.9	51.4	46.3	42.1	38.6	35.6	33.1	30.9	28.9	27.2	25.7	24.4	23.1
	84.0	60.0	60.0	60.0	58.0	50.8	45.1	40.6	36.9	33.8	31.2	29.0	27.1	25.4	23.9	22.6	21.4	20.3
	90.0	60.0	60.0	55.0	47.2	41.3	36.7	33.0	30.0	27.5	25.4	23.6	22.0	20.6	19.4	18.3	17.4	16.5
	96.0	60.0	54.4	45.3	38.9	34.0	30.2	27.2	24.7	22.7	20.9	19.4	18.1	17.0	16.0	15.1	14.3	
	102.0	56.7	45.4	37.8	32.4	28.3	25.2	22.7	20.6	18.9	17.4	16.2	15.1					
	108.0	47.8	38.2	31.8	27.3	23.9	21.2	19.1	17.4	15.9								
	114.0	40.6	32.5	27.1	23.2	20.3	18.0	16.2										
	120.0	34.8	27.9	23.2	19.9	17.4	15.5											



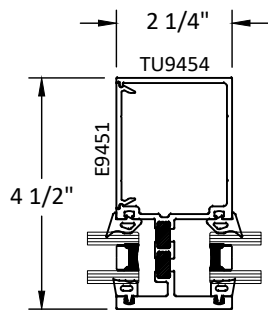
A **MULLION OPTION 1**
DUAL POUR, INSIDE GLAZED



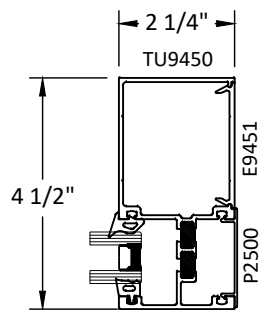
B **MULLION OPTION 2**
SINGLE POUR, INSIDE GLAZED



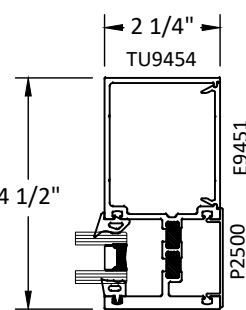
C **MULLION OPTION 3**
DUAL POUR, INSIDE GLAZED



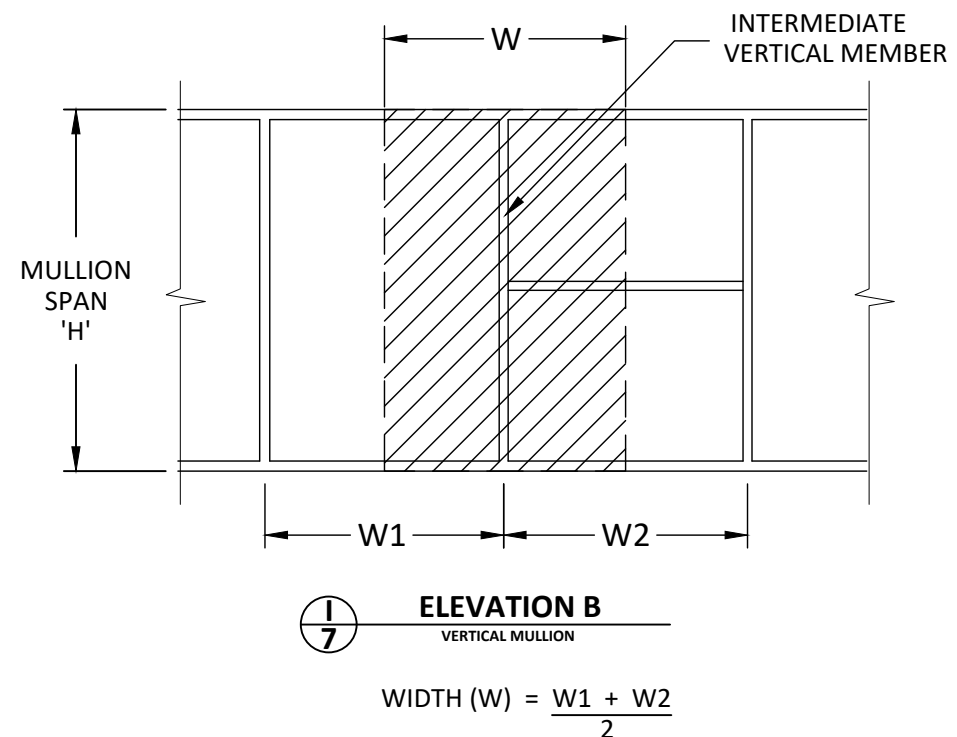
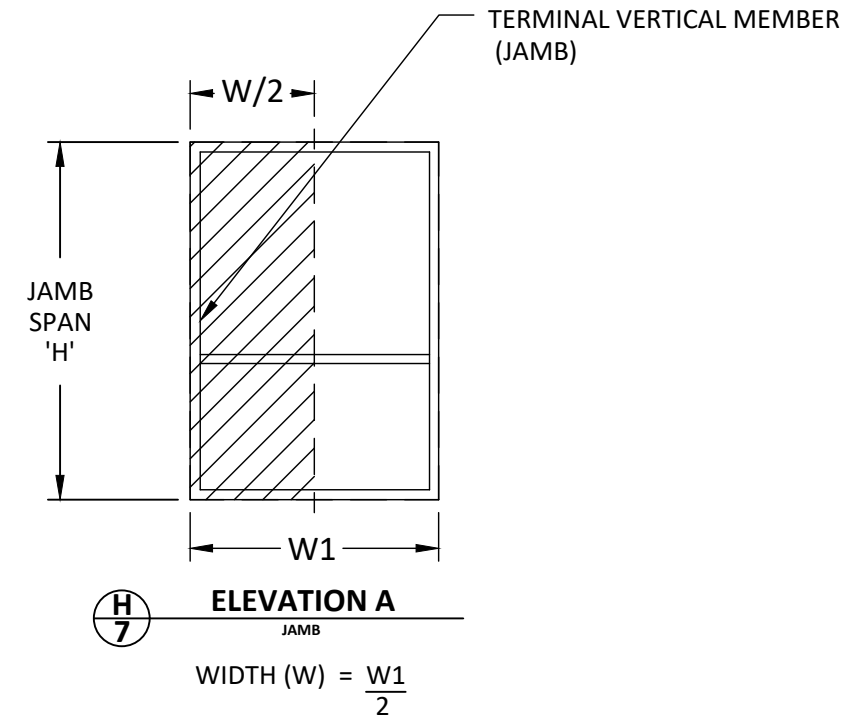
D **MULLION OPTION 4**
DUAL POUR, INSIDE GLAZED



E **JAMB OPTION 1**
DUAL POUR, INSIDE GLAZED



F **JAMB OPTION 2**
DUAL POUR, INSIDE GLAZED



NOTE:
SINGLE POUR VERSIONS OF ALL
DUAL POURS APPLY. UNIQUE SINGLE
POUR OPTIONS ALSO SHOWN

TUBELITE
DEPENDABLE

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3056 WALKER RIDGE DRIVE N.W.
WALKER, MICHIGAN 49544
PH: 800 866 2227 FX: 616 301 0008

TITLE: 900RW SERIES THERMAL
RIBBON WINDOW
(NON-HVHZ)/(NON-IMPACT)

4-1/2" SYSTEM INSIDE GLAZED VERTICAL
DETAILS DESIGN PRESSURE

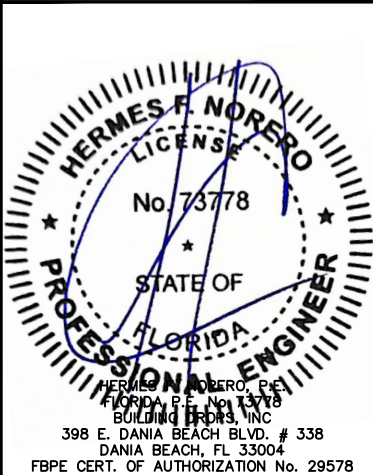
PREPARED BY:
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FBC 2023 REVISION	FB	08/25/23

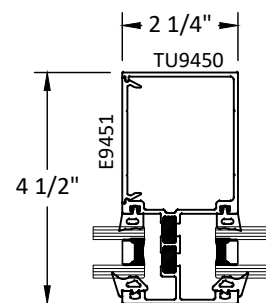
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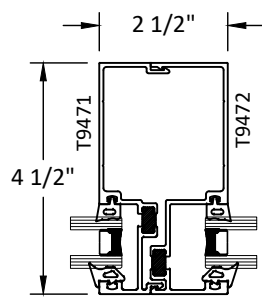
FL #:	FL21062
DATE:	12.10.19
DWG. BY:	JA
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	TLI002
SECTION	10
OF 20	

4-1/2" SYSTEM OUTSIDE GLAZED VERTICAL DETAILS DESIGN PRESSURES

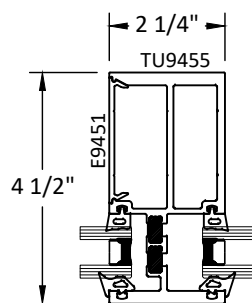
VERTICAL MEMBER DESIGN PRESSURE, TABLE 5 (psf) (SAME AS TABLE 4)																			
	WIDTH 'W' (INCHES)																		
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	84.0	90.0	96.0	102.0	108.0	114.0	120.0		
MEMBER SPAN 'H' (INCHES)	24.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	
	30.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	
	36.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	59.0	55.7	52.8	50.2		
	42.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	57.3	53.7	50.6	47.8	45.3	43.0		
	48.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	55.7	51.4	47.8	44.6	41.8	39.3	37.1	35.2	33.4		
	54.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	55.7	51.4	47.8	44.6	41.8	39.3	37.1	35.2	33.4		
	60.0	60.0	60.0	60.0	60.0	60.0	60.0	54.7	50.2	46.3	43.0	40.1	37.6	35.4	33.4	31.7	30.1		
	66.0	60.0	60.0	60.0	60.0	60.0	60.0	54.7	49.7	45.6	42.1	39.1	36.5	34.2	32.2	30.4	28.8	27.4	
	72.0	60.0	60.0	60.0	60.0	55.7	50.2	45.6	41.8	38.6	35.8	33.4	31.3	29.5	27.9	26.4	25.1		
	78.0	60.0	60.0	60.0	57.9	51.4	46.3	42.1	38.6	35.6	33.1	30.9	28.9	27.2	25.7	24.4	23.1		
	84.0	60.0	60.0	60.0	58.0	50.8	45.1	40.6	36.9	33.8	31.2	29.0	27.1	25.4	23.9	22.6	21.4	20.3	
	90.0	60.0	60.0	55.0	47.2	41.3	36.7	33.0	30.0	27.5	25.4	23.6	22.0	20.6	19.4	18.3	17.4	16.5	
	96.0	60.0	54.4	45.3	38.9	34.0	30.2	27.2	24.7	22.7	20.9	19.4	18.1	17.0	16.0	15.1	14.3		
	102.0	56.7	45.4	37.8	32.4	28.3	25.2	22.7	20.6	18.9	17.4	16.2	15.1						
	108.0	47.8	38.2	31.8	27.3	23.9	21.2	19.1	17.4	15.9									
	114.0	40.6	32.5	27.1	23.2	20.3	18.0	16.2											
	120.0	34.8	27.9	23.2	19.9	17.4	15.5												



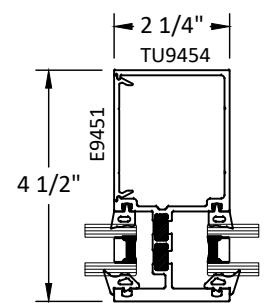
A
MULLION OPTION 1
DUAL POUR, OUTSIDE GLAZED



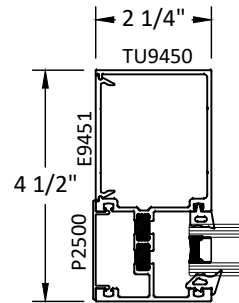
B
MULLION OPTION 2
SINGLE POUR, OUTSIDE GLAZED



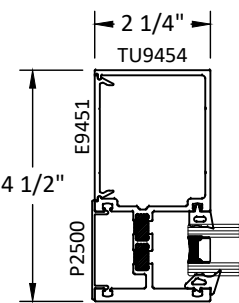
C
MULLION OPTION 3
DUAL POUR, OUTSIDE GLAZED



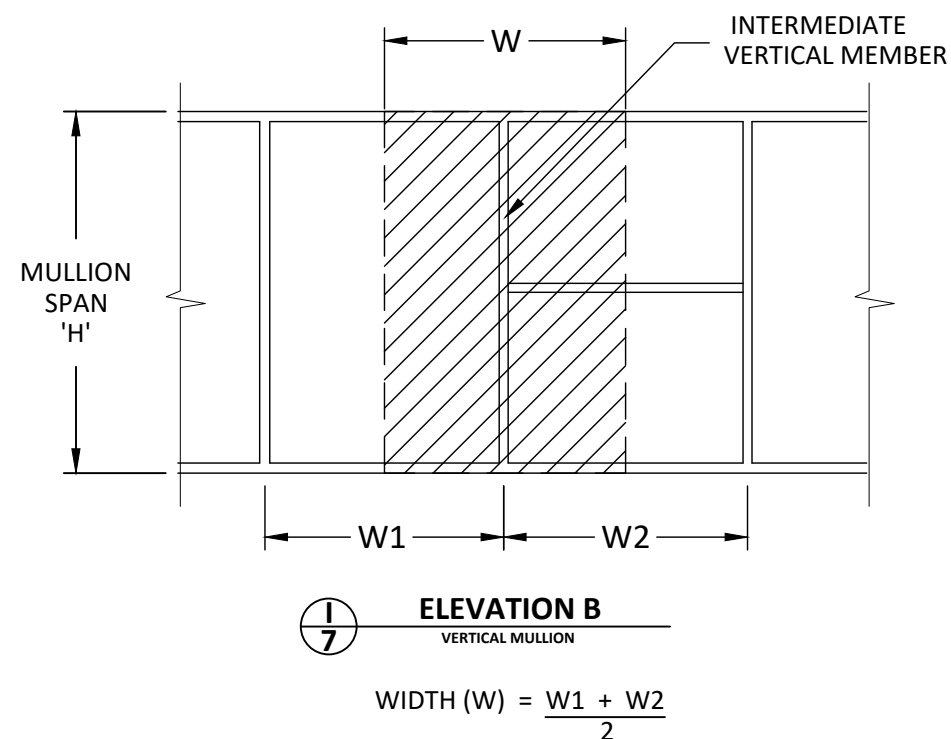
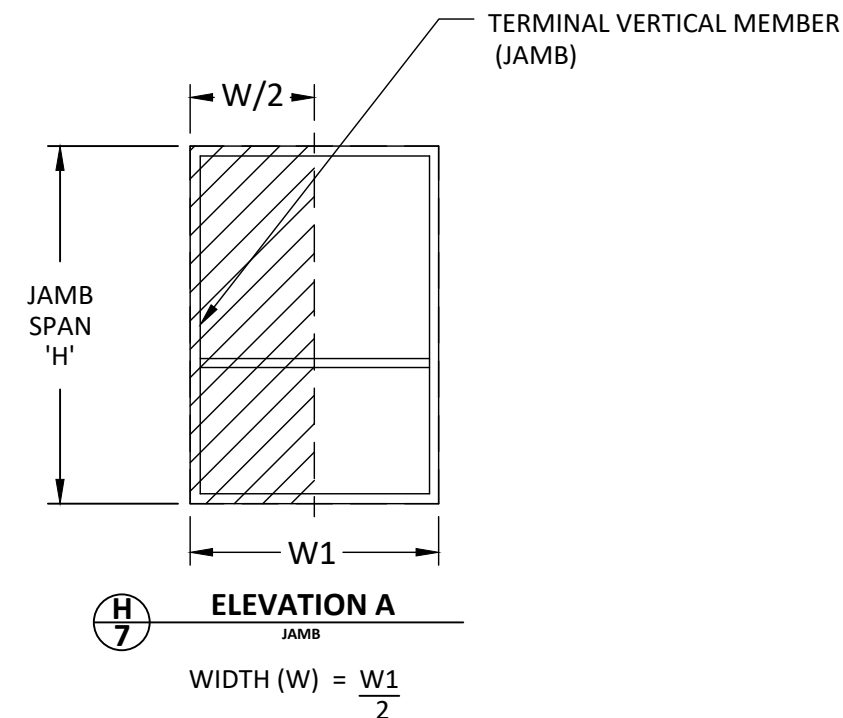
D
MULLION OPTION 4
DUAL POUR, OUTSIDE GLAZED



E
JAMB OPTION 1
DUAL POUR, OUTSIDE GLAZED



F
JAMB OPTION 2
DUAL POUR, OUTSIDE GLAZED



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TITLE: 900RW SERIES THERMAL
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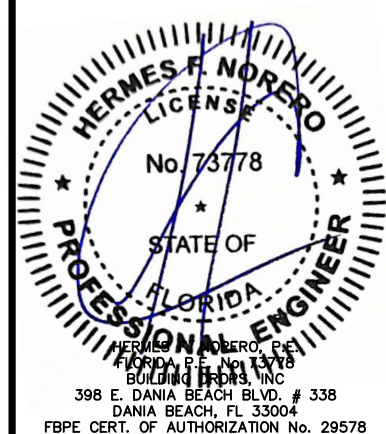
4-1/2" SYSTEM OUTSIDE GLAZED VERTICAL
DETAILS DESIGN PRESSURE

PREPARED BY:
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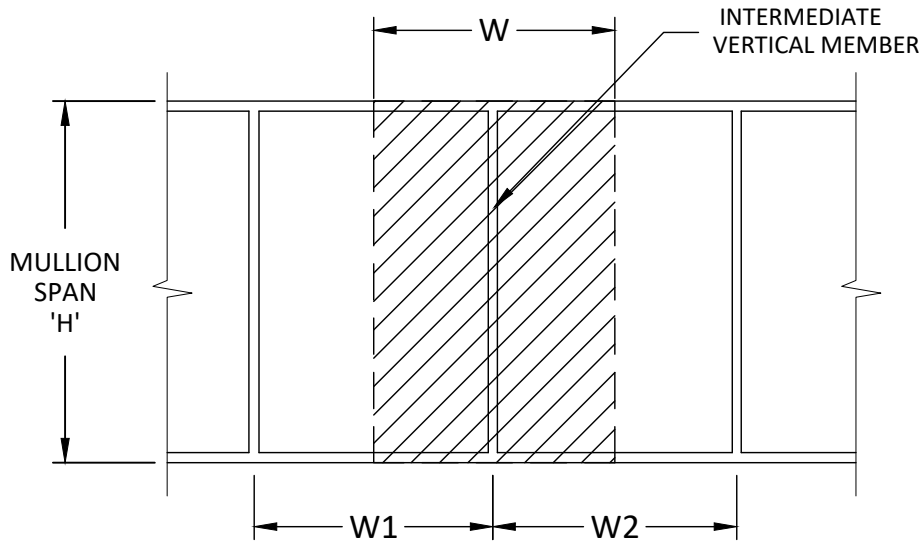
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SECTION	11

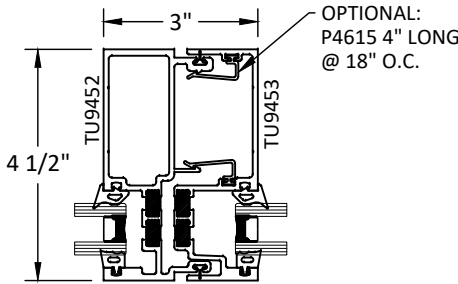
4-1/2" INSIDE/OUTSIDE GLAZED EXPANSION VERTICAL DETAILS DESIGN PRESSURES

VERTICAL MEMBER DESIGN PRESSURE, TABLE 6 (psf)																			
WIDTH 'W' (INCHES)																			
MEMBER SPAN 'H' (INCHES)		24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	84.0	90.0	96.0	102.0	108.0	114.0	120.0	
	24.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	
	30.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	
	36.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	44.3	41.8	39.6	37.6	
	42.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	43.0	40.3	37.9	35.8	33.9	32.2	
	48.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	41.8	38.6	35.8	33.4	31.3	29.5	27.9	26.4	25.1
	54.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	41.8	38.6	35.8	33.4	31.3	29.5	27.9	26.4	25.1
	60.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	41.0	37.6	34.7	32.2	30.1	28.2	26.6	25.1	23.8	22.6	
	66.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	41.0	37.3	34.2	31.6	29.3	27.4	25.6	24.1	22.8	21.6	20.5
	72.0	45.0	45.0	45.0	45.0	45.0	41.8	37.6	34.2	31.3	28.9	26.9	25.1	23.5	22.1	20.9	19.8	18.8	
	78.0	45.0	45.0	45.0	45.0	43.4	38.6	34.7	31.6	28.9	26.7	24.8	23.1	21.7	20.4	19.3	18.3	17.4	
	84.0	45.0	45.0	45.0	43.5	38.1	33.8	30.5	27.7	25.4	23.4	21.8	20.3	19.0	17.9	16.9	16.0	15.2	
	90.0	45.0	45.0	41.3	35.4	30.9	27.5	24.8	22.5	20.6	19.0	17.7	16.5	15.5					
	96.0	45.0	40.8	34.0	29.1	25.5	22.7	20.4	18.5	17.0	15.7								
	102.0	42.5	34.0	28.3	24.3	21.3	18.9	17.0	15.5										
	108.0	35.8	28.7	23.9	20.5	17.9	15.9												
	114.0	30.5	24.4	20.3	17.4	15.2													
120.0	26.1	20.9	17.4																

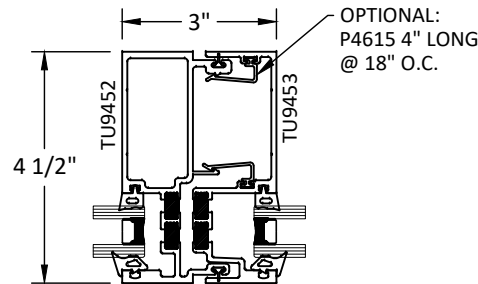


A
12
ELEVATION A
VERTICAL MULLION

WIDTH (W) = $\frac{W1 + W2}{2}$



B
12
MULLION OPTION 1
DUAL POUR, INSIDE GLAZED



C
12
MULLION OPTION 2
DUAL POUR, OUTSIDE GLAZED

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(NON-HVHZ)/(NON-IMPACT)

4-1/2" SYSTEM OUTSIDE/INSIDE
GLAZED EXPANSION VERTICAL DETAILS
DESIGN PRESSURE

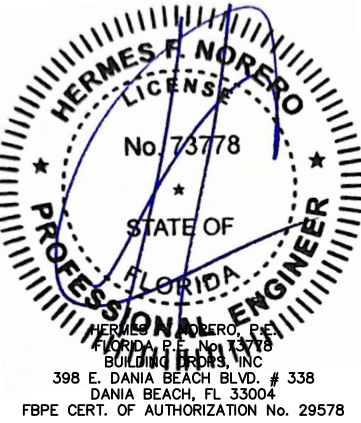
PREPARED BY:

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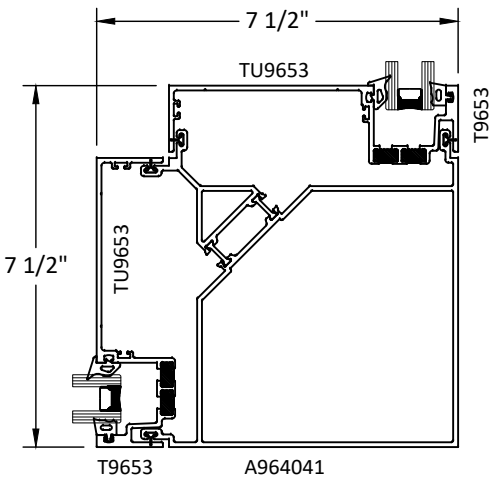


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SECTION	12
OF 20	

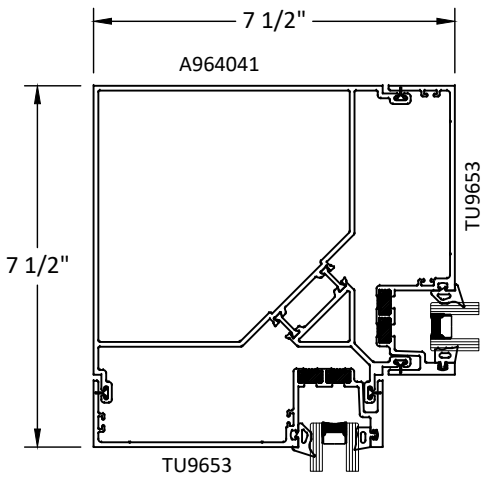
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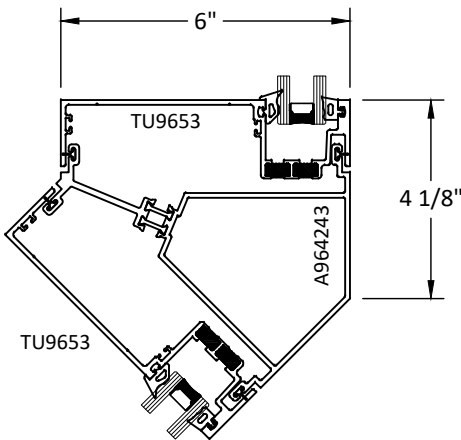
6" SYSTEM INSIDE GLAZED CORNER OPTIONS



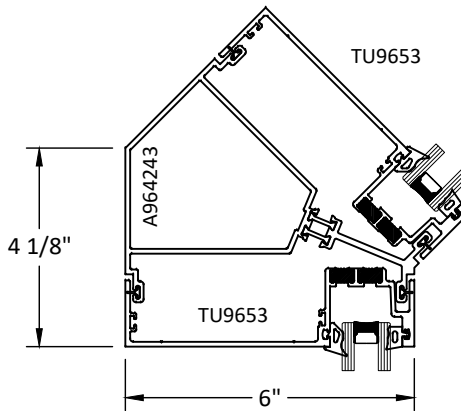
A
13 **CORNER OPTION 1**
DUAL POUR, INSIDE/OUTSIDE GLAZED
MAX. DESIGN PRESSURE: TABLE 1 & 2



B
13 **CORNER OPTION 2**
DUAL POUR, INSIDE/OUTSIDE GLAZED
MAX. DESIGN PRESSURE: TABLE 1 & 2

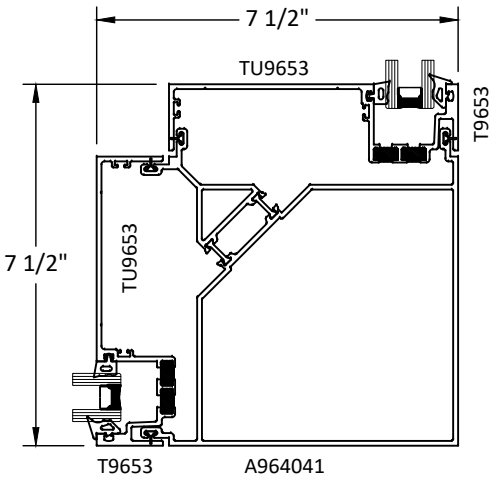


C
13 **CORNER OPTION 3**
DUAL POUR, INSIDE/OUTSIDE GLAZED
MAX. DESIGN PRESSURE: TABLE 1 & 2

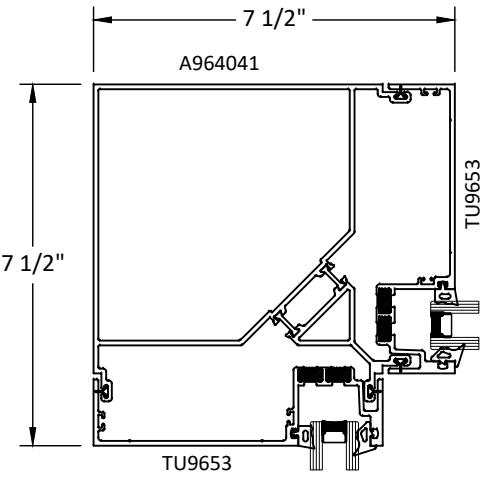


D
13 **CORNER OPTION 4**
DUAL POUR, INSIDE/OUTSIDE GLAZED
MAX. DESIGN PRESSURE: TABLE 1 & 2

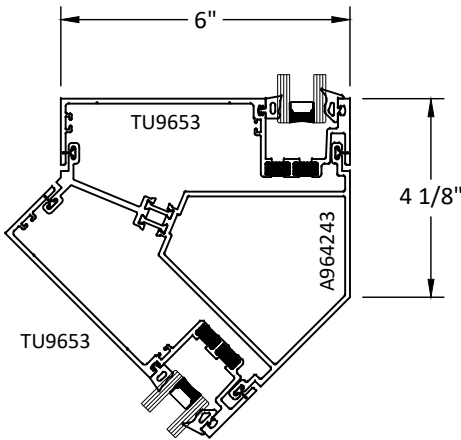
6" SYSTEM OUTSIDE GLAZED CORNER OPTIONS



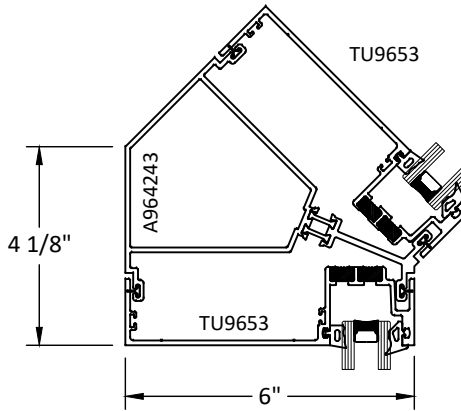
E
13 **CORNER OPTION 5**
DUAL POUR, INSIDE/OUTSIDE GLAZED
MAX. DESIGN PRESSURE: TABLE 1 & 2



F
13 **CORNER OPTION 6**
DUAL POUR, INSIDE/OUTSIDE GLAZED
MAX. DESIGN PRESSURE: TABLE 1 & 2



G
13 **CORNER OPTION 7**
DUAL POUR, INSIDE/OUTSIDE GLAZED
MAX. DESIGN PRESSURE: TABLE 1 & 2



H
13 **CORNER OPTION 8**
DUAL POUR, INSIDE/OUTSIDE GLAZED
MAX. DESIGN PRESSURE: TABLE 1 & 2

NOTE:
SINGLE POUR VERSIONS OF ALL
DUAL POURS APPLY. UNIQUE SINGLE
POUR OPTIONS ALSO SHOWN

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WALKER, MICHIGAN 49544
PH: 800 866 2227 FX: 616 301 0008

TITLE: 900RW SERIES THERMAL
RIBBON WINDOW
(NON-HVHZ)/(NON-IMPACT)

6" SYSTEM CORNER OPTIONS

PREPARED BY:

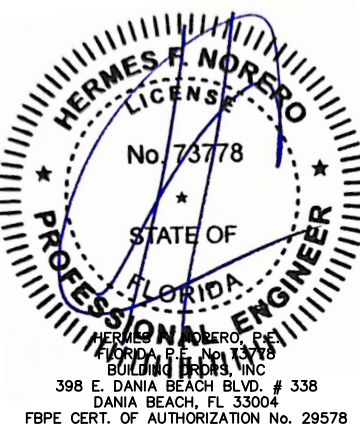
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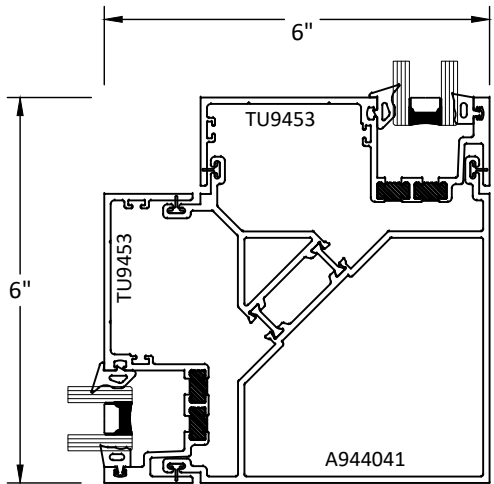


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SECTION	13

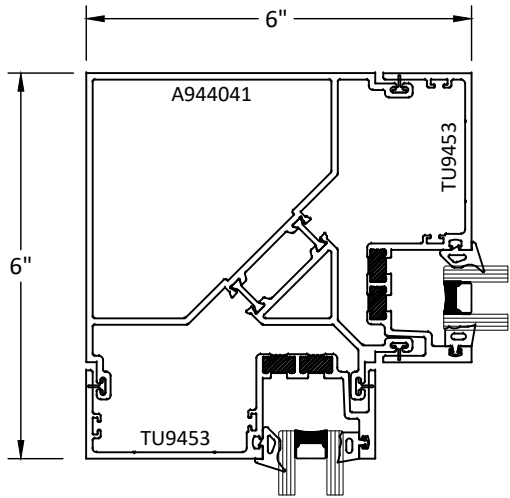
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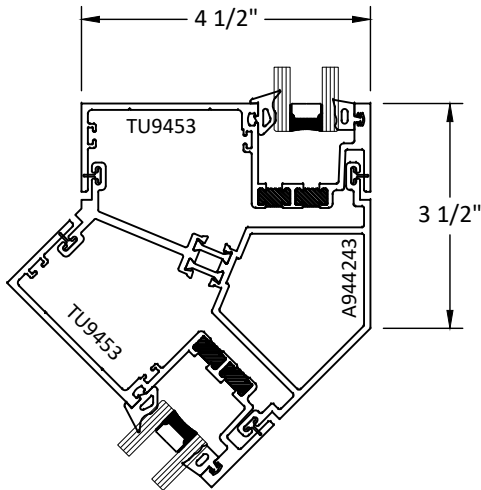
4-1/2" SYSTEM INSIDE GLAZED CORNER OPTIONS



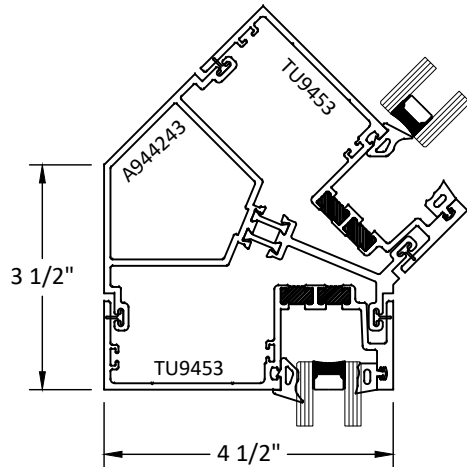
A
14 **CORNER OPTION 1**
DUAL POUR, INSIDE/OUTSIDE GLAZED
MAX. DESIGN PRESSURE: TABLE 4 & 5



B
14 **CORNER OPTION 2**
DUAL POUR, INSIDE/OUTSIDE GLAZED
MAX. DESIGN PRESSURE: TABLE 4 & 5

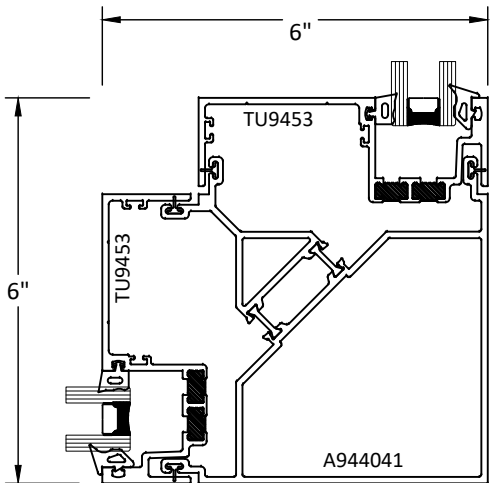


C
14 **CORNER OPTION 3**
DUAL POUR, INSIDE/OUTSIDE GLAZED
MAX. DESIGN PRESSURE: TABLE 4 & 5

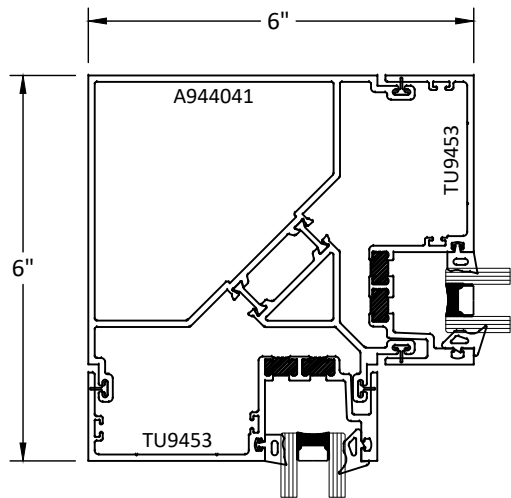


D
14 **CORNER OPTION 4**
DUAL POUR, INSIDE/OUTSIDE GLAZED
MAX. DESIGN PRESSURE: TABLE 4 & 5

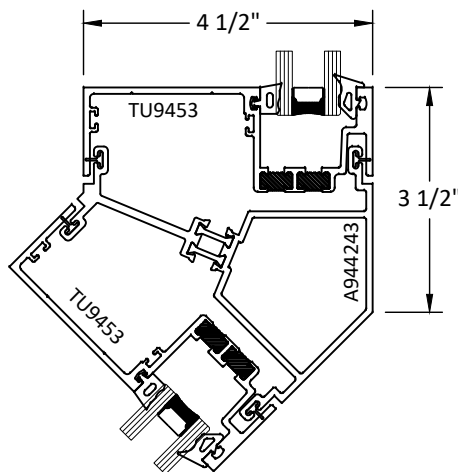
4-1/2" OUTSIDE GLAZED CORNER OPTIONS



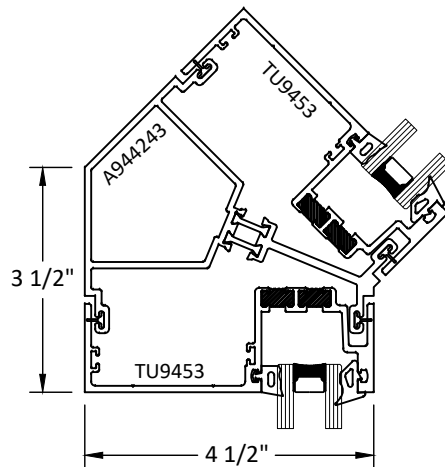
E
14 **CORNER OPTION 5**
DUAL POUR, INSIDE/OUTSIDE GLAZED
MAX. DESIGN PRESSURE: TABLE 4 & 5



F
14 **CORNER OPTION 6**
DUAL POUR, INSIDE/OUTSIDE GLAZED
MAX. DESIGN PRESSURE: TABLE 4 & 5



G
14 **CORNER OPTION 7**
DUAL POUR, INSIDE/OUTSIDE GLAZED
MAX. DESIGN PRESSURE: TABLE 4 & 5



H
14 **CORNER OPTION 8**
DUAL POUR, INSIDE/OUTSIDE GLAZED
MAX. DESIGN PRESSURE: TABLE 4 & 5

NOTE:
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POUR OPTIONS ALSO SHOWN

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TITLE: 900RW SERIES THERMAL
RIBBON WINDOW
(NON-HVHZ)/(NON-IMPACT)

4-1/2" SYSTEM CORNER OPTIONS

PREPARED BY:

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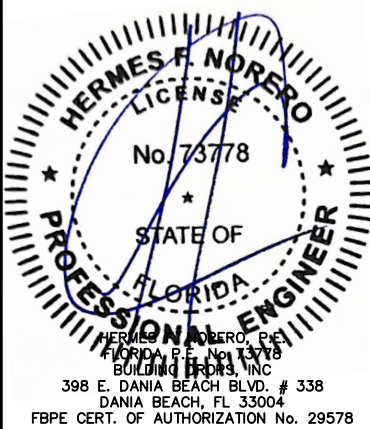
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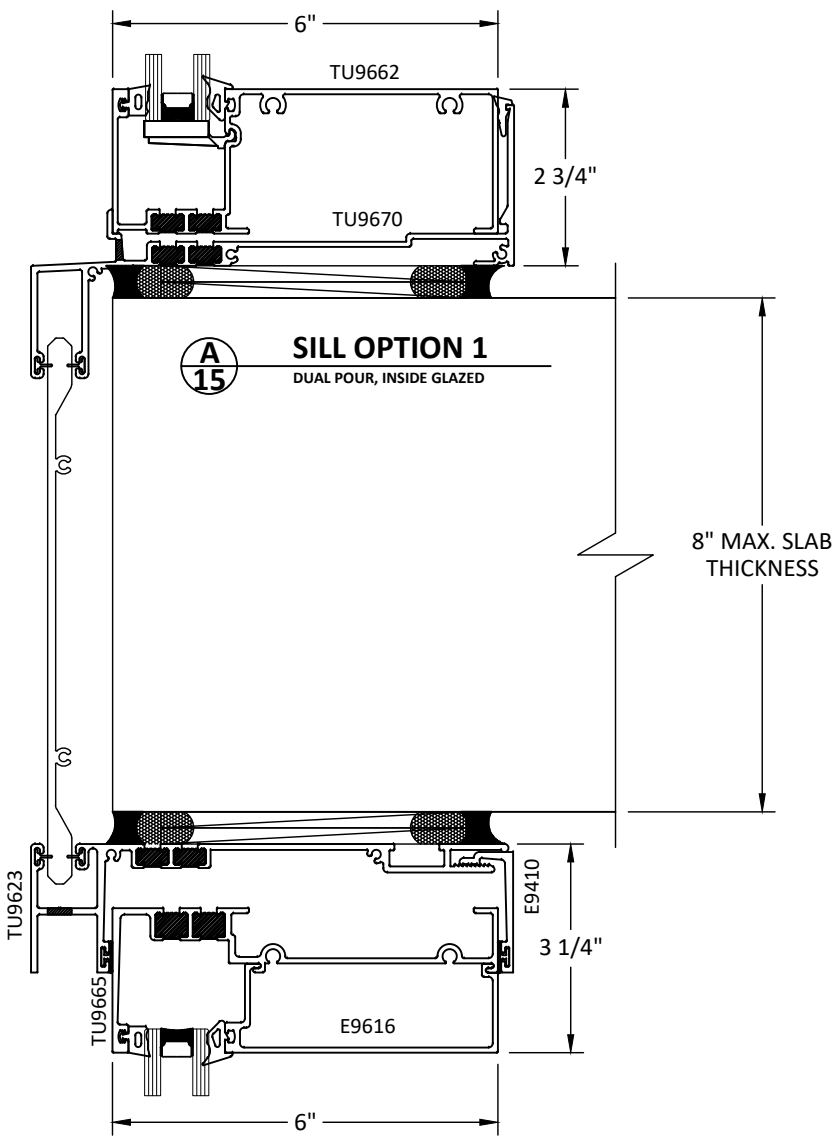


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SCALE:	NTS
DWG. #:	TLI002
SECTION	14

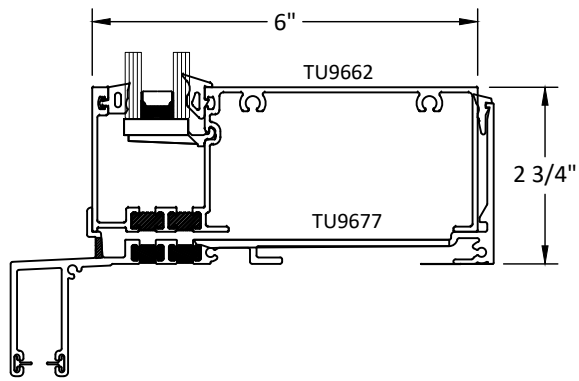
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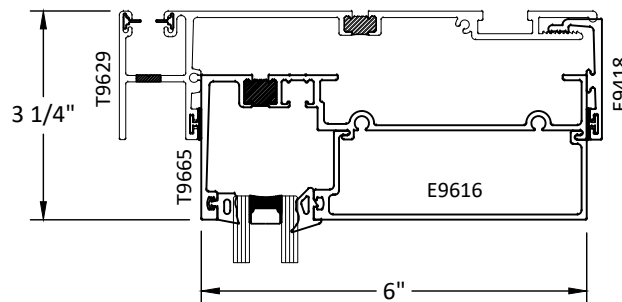
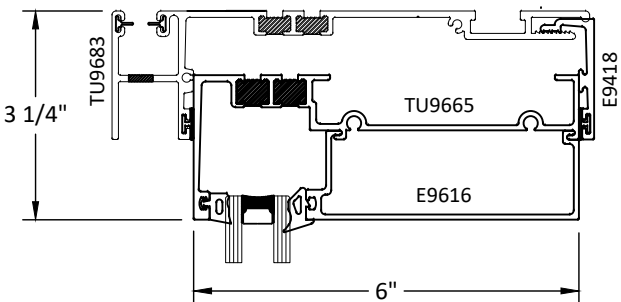
6" SYSTEM INSIDE GLAZED SILL WITH SLAB COVER OPTIONS



MAX. SLAB THICKNESS	SLAB COVER EXTRUSION
8.00"	E9414
7.00"	E909U01
6.25"	E9427
5.25"	E907T05
4.75"	E9624



6" SYSTEM INSIDE GLAZED HEAD WITH SLAB COVER OPTIONS



NOTE:
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POUR OPTIONS ALSO SHOWN

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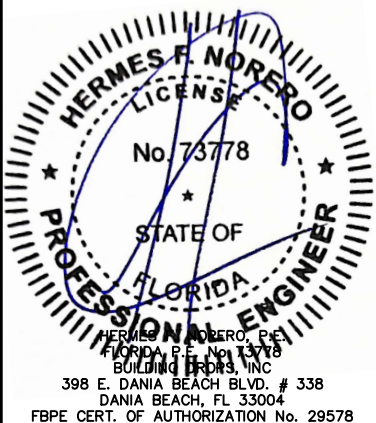
TITLE: 900RW SERIES THERMAL
RIBBON WINDOW
(NON-HVHZ)/(NON-IMPACT)

6" SYSTEM INSIDE GLAZED DETAILS
WITH SLAB COVER OPTION

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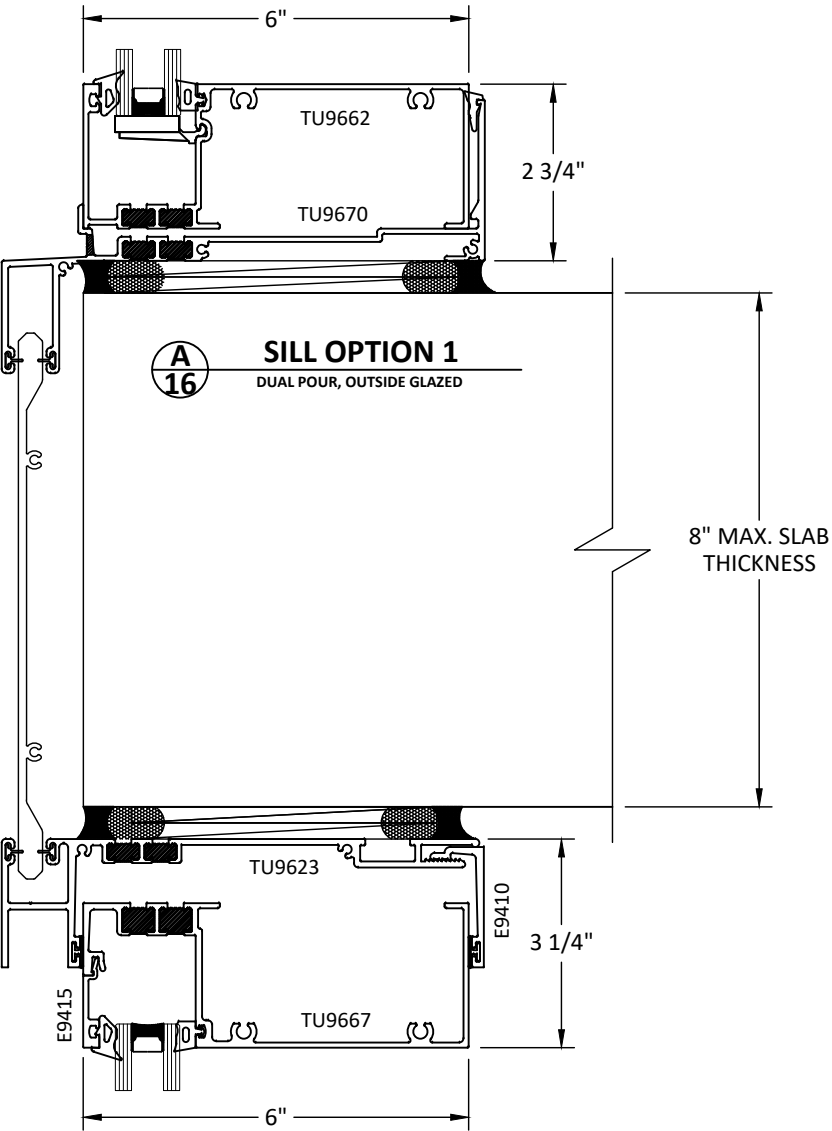


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DWG. #:	TLI002
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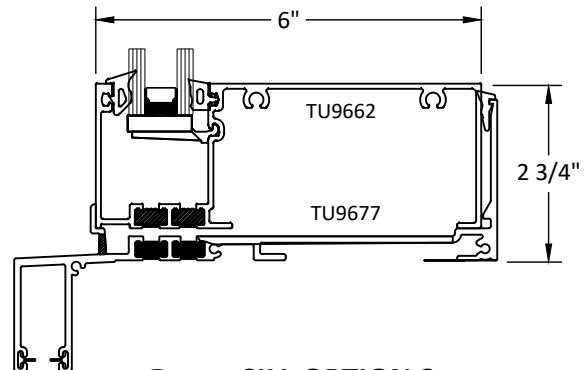
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6" SYSTEM OUTSIDE GLAZED SILL WITH SLAB COVER OPTIONS



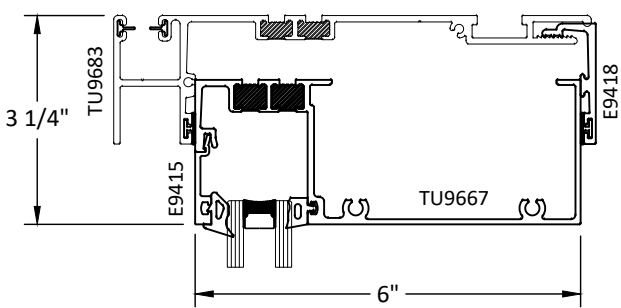
C 16 HEAD OPTION 1
DUAL POUR, OUTSIDE GLAZED

MAX. SLAB THICKNESS	SLAB COVER EXTRUSION
8.00"	E9414
7.00"	E909U01
6.25"	E9427
5.25"	E907T05
4.75"	E9624

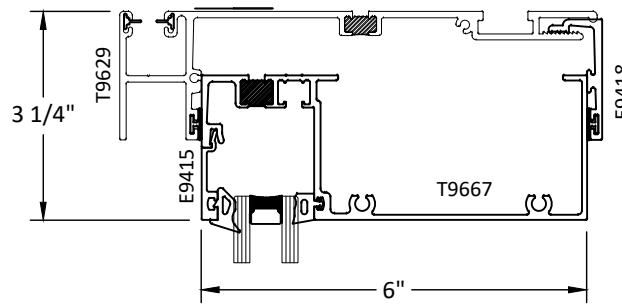


B 16 SILL OPTION 2
DUAL POUR, OUTSIDE GLAZED

6" SYSTEM OUTSIDE GLAZED HEAD WITH SLAB COVER OPTIONS



D 16 HEAD OPTION 2
DUAL POUR, OUTSIDE GLAZED



E 16 HEAD OPTION 3
DUAL POUR, OUTSIDE GLAZED

NOTE:
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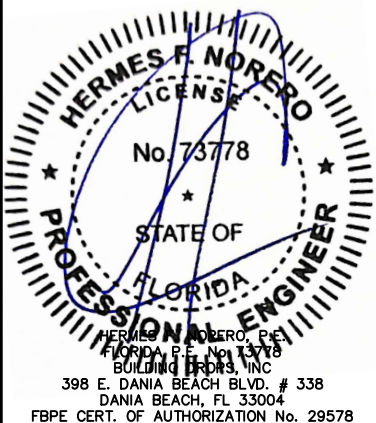
TITLE: 900RW SERIES THERMAL
RIBBON WINDOW
(NON-HVHZ)/(NON-IMPACT)

6" SYSTEM OUTSIDE GLAZED DETAILS
WITH SLAB COVER OPTION

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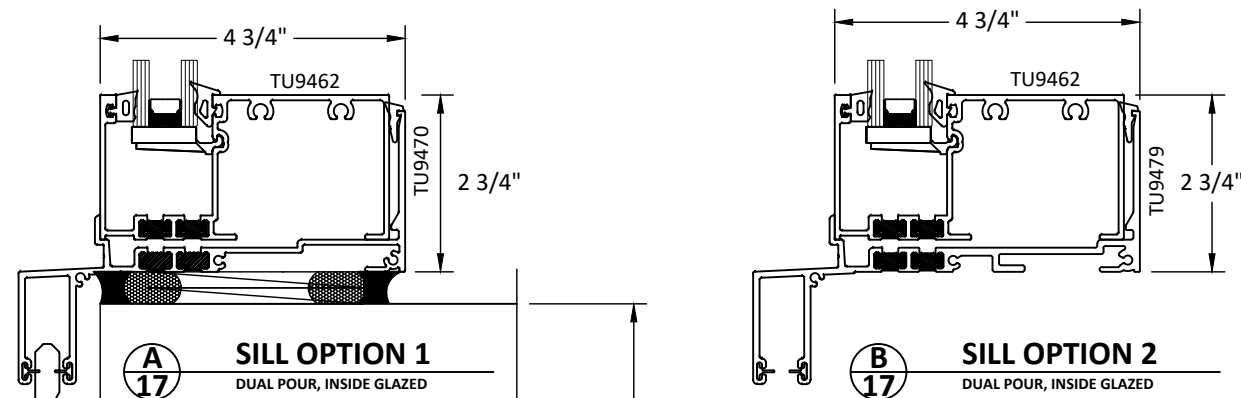
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DWG. #:	TLI002
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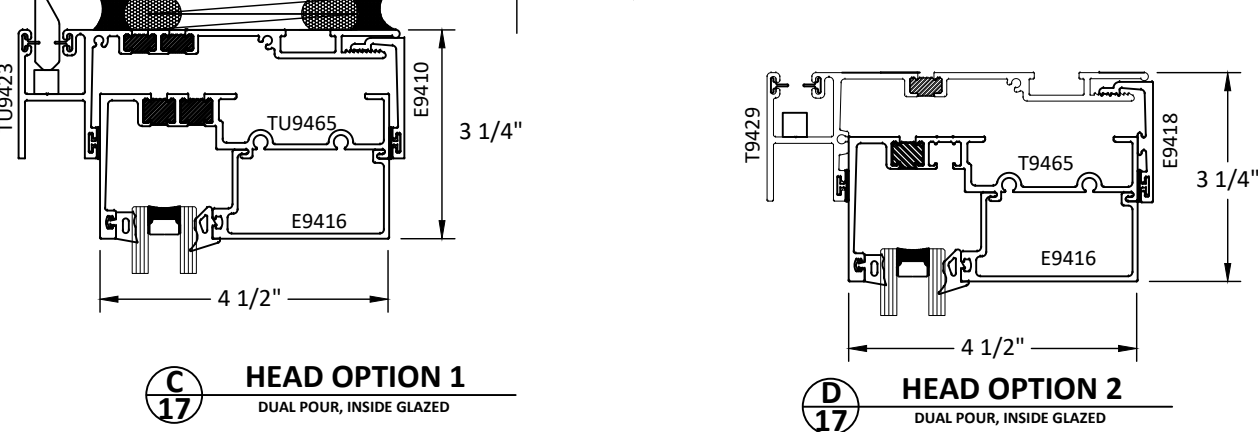
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4-1/2" SYSTEM

INSIDE GLAZED SILL WITH SLAB COVER OPTIONS

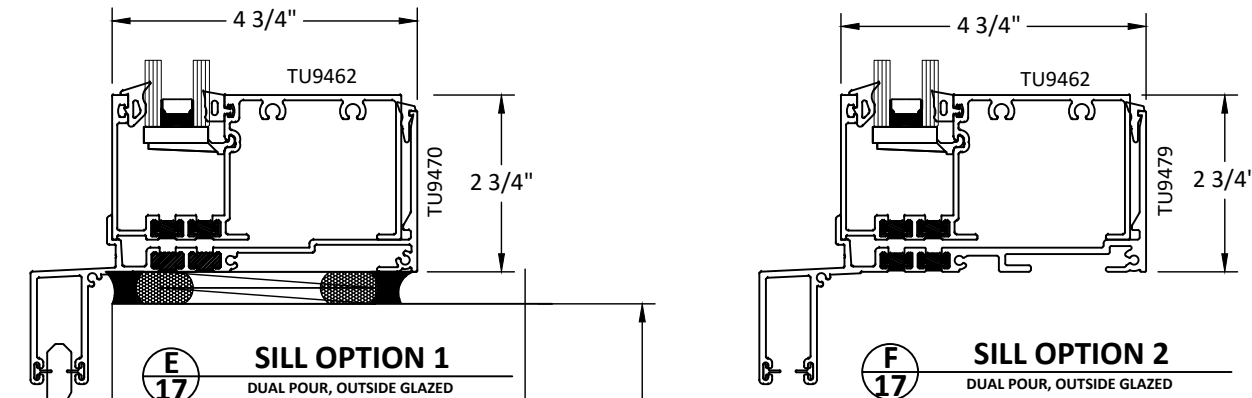


INSIDE GLAZED HEAD WITH SLAB COVER OPTIONS

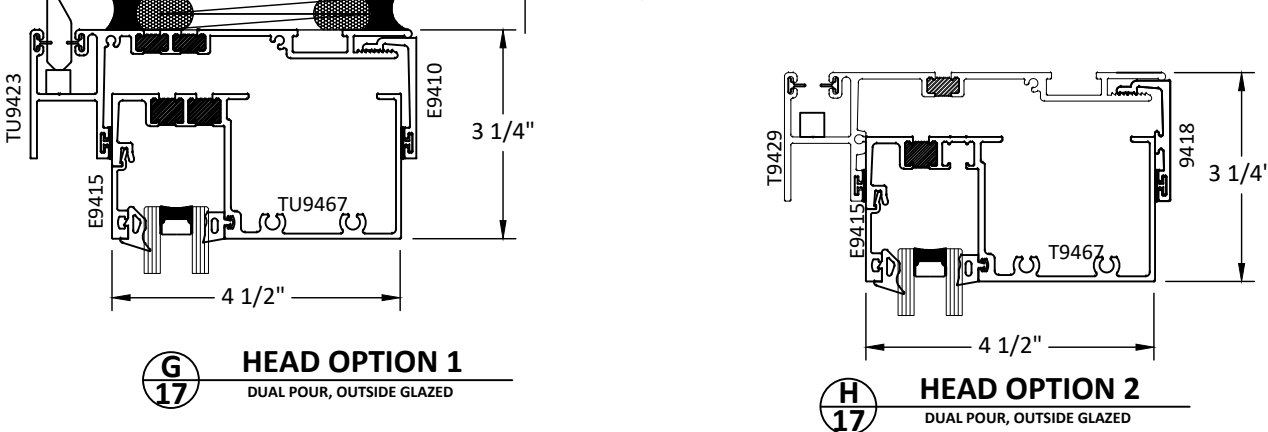


MAX. SLAB THICKNESS	SLAB COVER EXTRUSION
8.00"	E9414
7.00"	E909U01
6.25"	E9427
5.25"	E907T05
4.75"	E9624

OUTSIDE GLAZED SILL WITH SLAB COVER OPTIONS



OUTSIDE GLAZED HEAD WITH SLAB COVER OPTIONS



MAX. SLAB THICKNESS	SLAB COVER EXTRUSION
8.00"	E9414
7.00"	E909U01
6.25"	E9427
5.25"	E907T05
4.75"	E9624

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PH: 800 866 2227 FX: 616 301 0008

TITLE: 900RW SERIES THERMAL
RIBBON WINDOW
(NON-HVHZ)/(NON-IMPACT)

4-1/2" SYSTEM INSIDE AND OUTSIDE
GLAZED DETAILS
WITH SLAB COVER OPTION

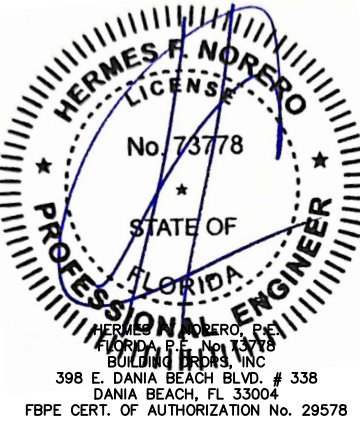
PREPARED BY:

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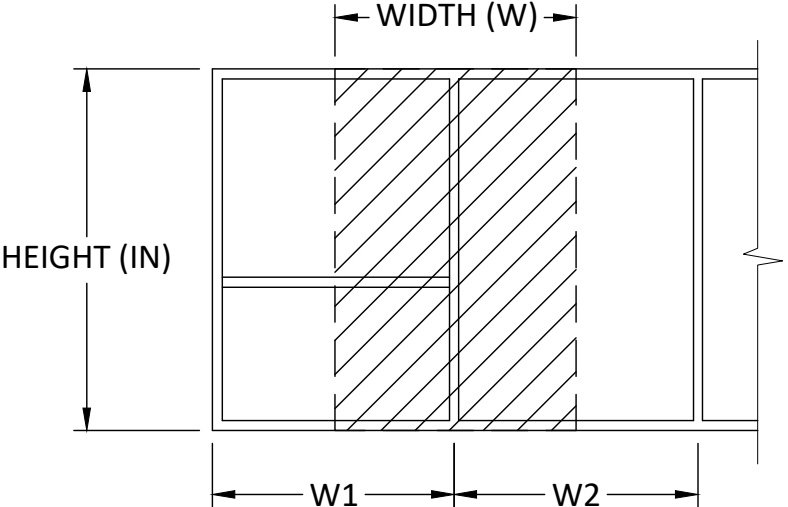


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DWG. #:	TLI002
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ANCHOR LOAD CAPACITY (+/- PSF), TABLE 7										
WIDTH (IN)	HEIGHT (IN)	HEIGHT (IN)	ANCHOR A1	ANCHOR B1	ANCHOR C1	ANCHOR A2	ANCHOR B2	ANCHOR C2	ANCHOR A3	ANCHOR B3
24	24	24	60	60	60	60	60	60	60	60
30	24		60	60	60	60	60	60	60	60
36	24		60	60	60	60	60	60	60	60
42	24		55	60	60	60	60	60	60	60
48	24		48	60	60	60	60	60	60	60
54	24		42	60	60	60	60	60	60	60
60	24		38	60	60	60	60	60	60	60
66	24		35	60	60	60	60	60	60	60
72	24		32	56	60	60	60	60	60	60
78	24		29	52	60	59	60	60	60	60
84	24		27	48	60	55	60	60	60	60
90	24		25	45	60	51	60	60	60	60
96	24		24	42	60	48	60	60	60	60
102	24		22	40	60	45	60	60	60	60
108	24	21	37	60	42	60	60	60	60	
114	24	20	35	60	40	60	60	60	60	
120	24	19	34	60	38	60	60	57	60	
24	48	48	48	60	60	60	60	60	60	60
30	48		38	60	60	60	60	60	60	60
36	48		32	56	60	60	60	60	60	60
42	48		27	48	60	55	60	60	60	60
48	48		24	42	60	48	60	60	60	60
54	48		21	37	60	42	60	60	60	60
60	48		19	34	60	38	60	60	57	60
66	48		17	30	59	35	60	60	52	60
72	48		16	28	54	32	56	60	48	60
78	48		-	26	50	29	52	60	44	60
84	48		-	24	46	27	48	60	41	60
90	48		-	22	43	25	45	60	38	60
96	48		-	21	40	24	42	60	36	60
102	48		-	20	38	22	40	60	34	60
108	48	-	18	36	21	37	60	32	56	
114	48	-	17	34	20	35	60	30	53	
120	48	-	17	32	19	34	60	28	51	
24	72	72	32	56	60	60	60	60	60	60
30	72		25	45	60	51	60	60	60	60
36	72		21	37	60	42	60	60	60	60
42	72		18	32	60	36	60	60	55	60
48	72		16	28	54	32	56	60	48	60
54	72		-	25	48	28	50	60	42	60
60	72		-	22	43	25	45	60	38	60
66	72		-	20	39	23	41	60	35	60
72	72		-	18	36	21	37	60	32	56
78	72		-	17	33	19	34	60	29	52
84	72		-	16	30	18	32	60	27	48
90	72		-	15	28	17	30	57	25	45
96	72		-	-	27	16	28	54	24	42
102	72		-	-	25	15	26	50	22	40
108	72	-	-	24	-	25	48	21	37	
114	72	-	-	22	-	23	45	20	35	
120	72	-	-	21	-	22	43	19	34	

ANCHOR SCHEDULE, TABLE 9				
TYPE	ANCHOR	SUBSTRATE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
B	1/4" DEWALT/ELCO ULTRA CON (CARBON STEEL)	3000 PSI CONCRETE MIN. OR GROUT FILLED CMU PER ASTM C-90 W/ MIN. F'C=2000 PSI	1.75"	2.5"
B	1/4" ITW TAPCON (CARBON OR STAINLESS STEEL)		1.75"	2.5"
B	1/4" HILTI KWIK-CON II+ (CARBON OR STAINLESS STEEL)		1"	2.5"
A	#14 WOOD SCREW	2X WOOD MIN. S.G.=0.55	1.5"	1"
B	1/4" GR. 5 SELF-TAPPING/DRILLING SCREW	MIN. 18 GA STEEL STUD (0.0478") 33 KSI OR MIN. 0.090" 6063-T5 ALUMINUM	3 THREADS*	1"
B	3/8" DEWALT/POWERS TAPPER (CARBON STEEL)	3000 PSI CONCRETE MIN.	1.25"	2.5"
B	3/8" DEWALT/POWERS TAPPER (CARBON STEEL)	GROUT FILLED CMU PER ASTM C-90. MIN. F'C=2000 PSI	1.75"	3"
C	3/8" ITW LDT (CARBON STEEL)	3000 PSI CONCRETE MIN.	1.5"	2.5"
C	3/8" ITW LDT (CARBON STEEL)	GROUT FILLED CMU PER ASTM C-90. MIN. F'C=2000 PSI	1.5"	3"
C	3/8" ITW TRUBOLT WEDGE (CARBON STEEL OR SS)	2000 PSI CONCRETE MIN.	1.5"	2.5"
A	3/8" LAG SCREW	2X WOOD MIN. S.G.=0.55	1.5"	1.5"
C	5/16" GR. 5 SELF-TAPPING/DRILLING SCREW	MIN. 18 GA STEEL STUD (0.0478") 33 KSI OR MIN. 0.090" 6063-T5 ALUMINUM	3 THREADS*	1"

ANCHOR LOAD CAPACITY (+/- PSF), TABLE 8										
WIDTH (IN)	HEIGHT (IN)	HEIGHT (IN)	ANCHOR A1	ANCHOR B1	ANCHOR C1	ANCHOR A2	ANCHOR B2	ANCHOR C2	ANCHOR A3	ANCHOR B3
24	96	96	24	42	60	48	60	60	60	60
30	96		19	34	60	38	60	60	57	60
36	96		16	28	54	32	56	60	48	60
42	96		-	24	46	27	48	60	41	60
48	96		-	21	40	24	42	60	36	60
54	96		-	18	36	21	37	60	32	56
60	96		-	17	32	19	34	60	28	51
66	96		-	15	29	17	30	59	26	46
72	96		-	-	27	16	28	54	24	42
78	96		-	-	25	-	26	50	22	39
84	96		-	-	23	-	24	46	20	36
90	96		-	-	21	-	22	43	19	34
96	96	120	-	-	20	-	21	40	18	31
102	96		-	-	19	-	20	38	17	30
108	96		-	-	18	-	18	36	16	28
114	96		-	-	17	-	17	34	15	26
120	96		-	-	16	-	17	32	-	25
24	120		19	34	60	38	60	60	57	60
30	120		15	27	52	30	54	60	46	60
36	120		-	22	43	25	45	60	38	60
42	120		-	19	37	22	38	60	33	58
48	120		-	17	32	19	34	60	28	51
54	120		-	15	28	17	30	57	25	45
60	120		-	-	26	15	27	52	23	40
66	120	144	-	-	23	-	24	47	21	37
72	120		-	-	21	-	22	43	19	34
78	120		-	-	20	-	20	40	17	31
84	120		-	-	18	-	19	37	16	29
90	120		-	-	17	-	18	34	15	27
96	120		-	-	16	-	17	32	-	25
102	120		-	-	15	-	16	30	-	24
108	120		-	-	-	-	15	28	-	22
114	120		-	-	-	-	-	27	-	21
120	120		-	-	-	-	-	26	-	20



MULLION: WIDTH (W) = $\frac{W1 + W2}{2}$

JAMB: WIDTH (W) = W1

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RIBBON WINDOW
(NON-HVHZ)(NON-IMPACT)

ANCHOR LOAD CAPACITY

PREPARED BY:

BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338

DANIA BEACH, FL 33004

PH: (954)399-8478

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WEB: www.buildingdrops.com



REMARKS

BY

DATE

FBC 2020 UPDATE

LL

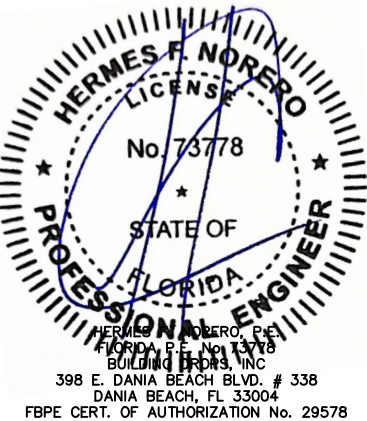
10/5

FBC 2023 REVISION

FB

08/25/23

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FL #:

FL21062

DATE: 12.10.19

DWG. BY:
JA

CHK. BY:
HFN

SCALE: NTS

DWG. #: TLI002

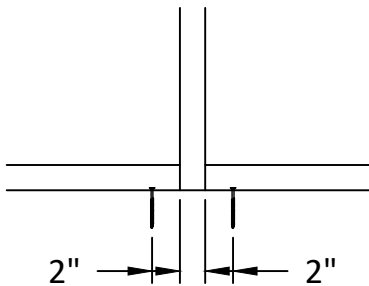
SECTION

18

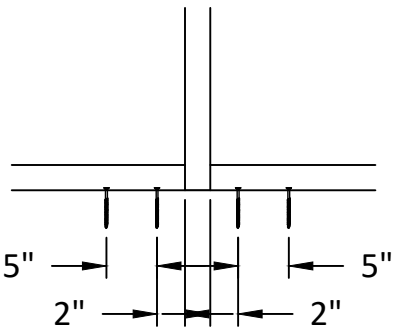
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6" AND 4-1/2" SYSTEMS

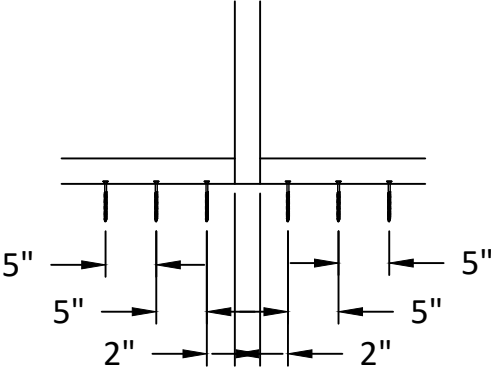
MULLION ANCHOR CONFIGURATIONS



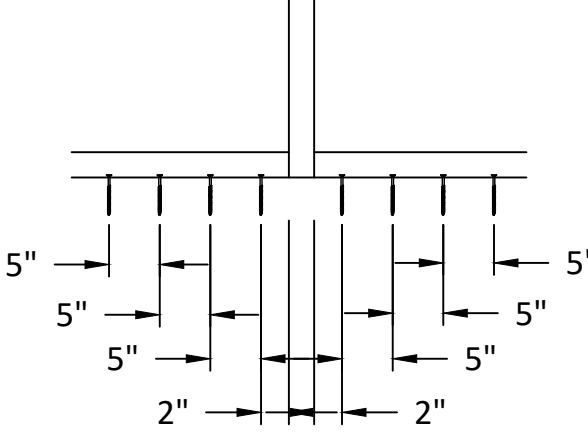
A
19 ANCHOR
A1, B1, C1, D1



B
19 ANCHOR
A2, B2, C2, D2

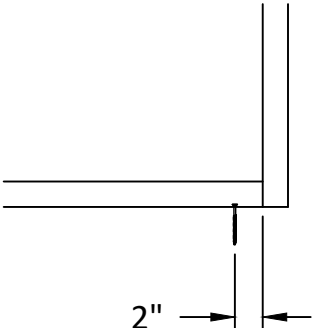


C
19 ANCHOR
A3, B3, C3, D3

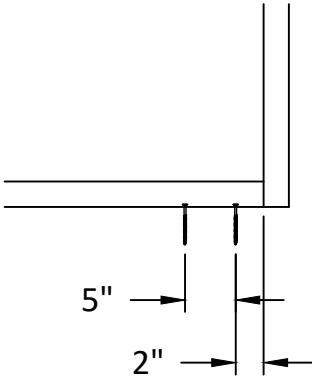


D
19 ANCHOR
A4, B4, C4, D4

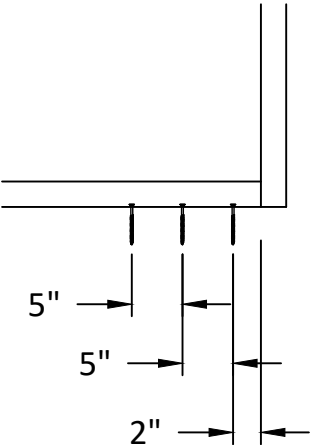
JAMB ANCHOR CONFIGURATIONS



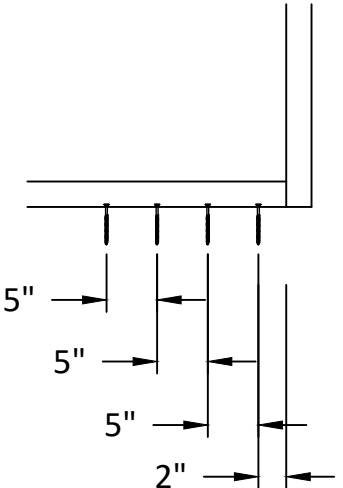
E
19 ANCHOR
A1, B1, C1, D1



F
19 ANCHOR
A2, B2, C2, D2



G
19 ANCHOR
A3, B3, C3, D3



H
19 ANCHOR
A4, B4, C4, D4

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ANCHOR CONFIGURATIONS

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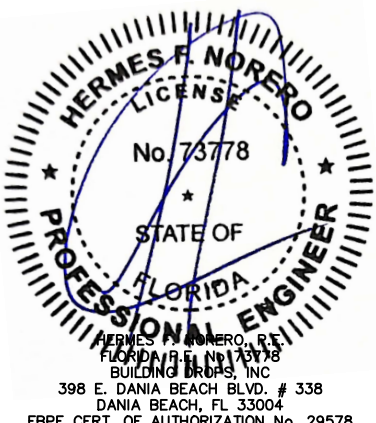
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REMARKS	BY	DATE
FBC 2020 UPDATE	LL	10/5
FBC 2023 REVISION	FB	08/25/23

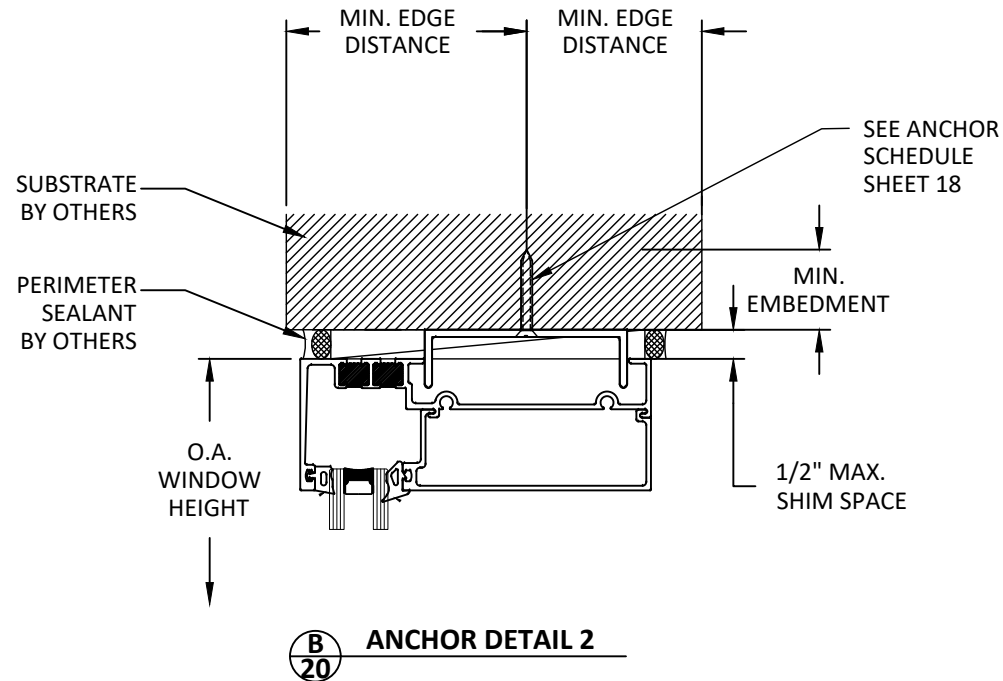
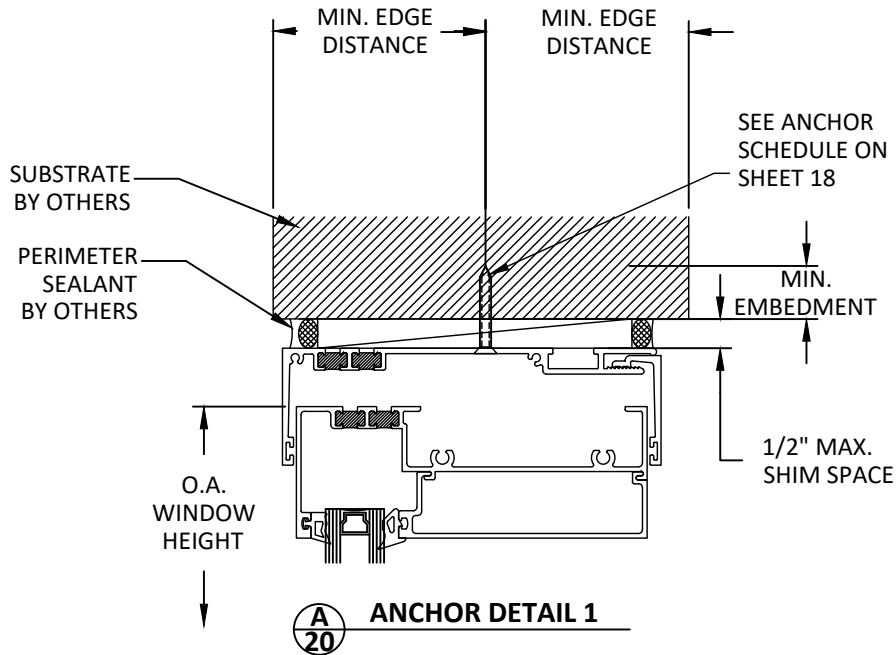
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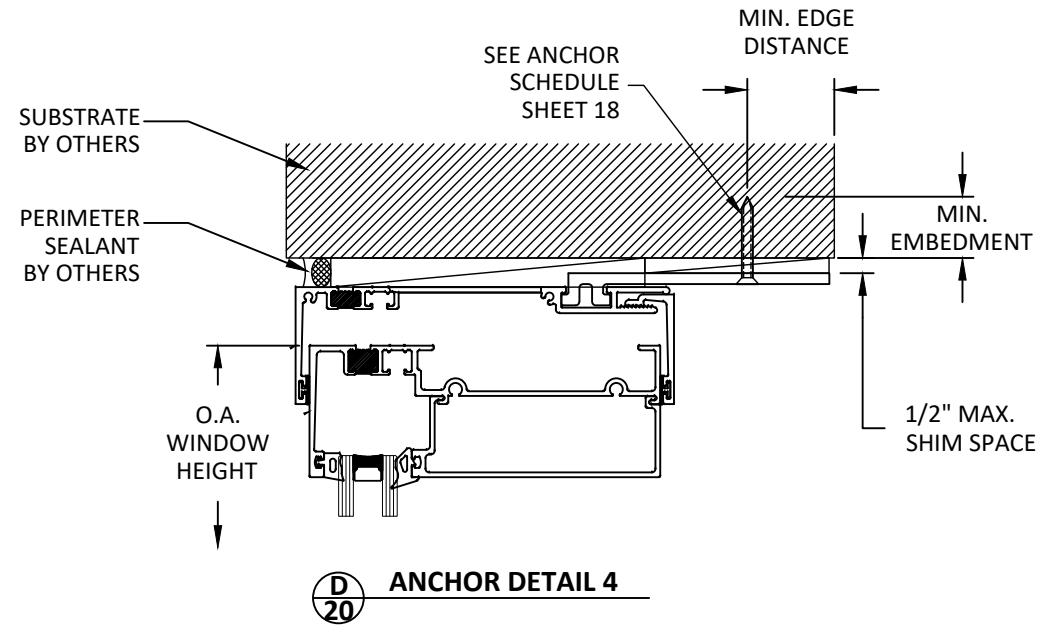
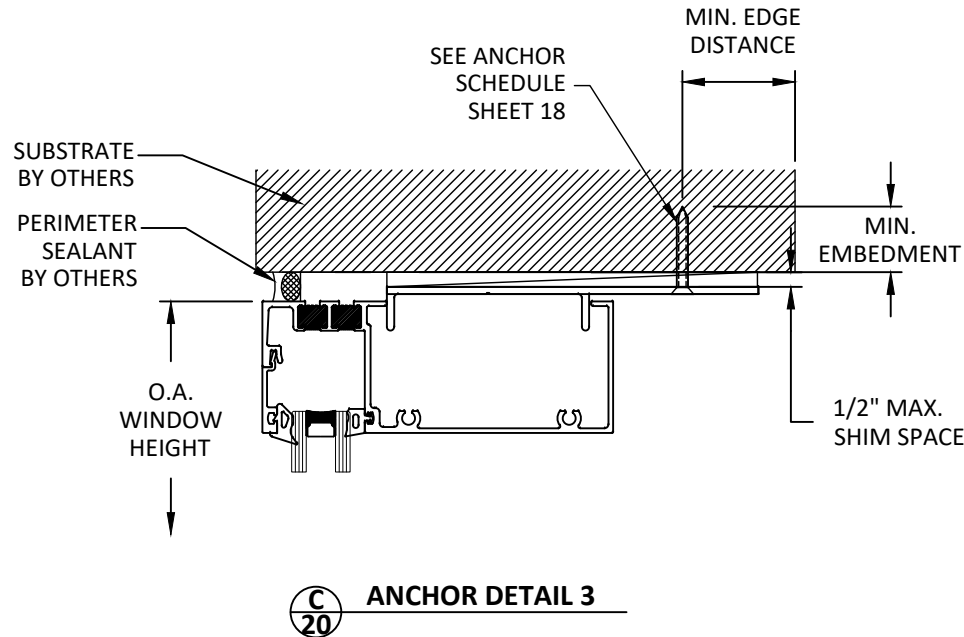
FL #:	FL21062
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CHK. BY:	HFN
SCALE:	NTS
DWG. #:	TLI002
SECTION	19
	OF 20

INSTALLATION NOTES:

- SEE SHEET 18 FOR ANCHOR TYPE REQUIREMENTS, MINIMUM EMBEDMENT, AND MINIMUM EDGE DISTANCES. ALL ANCHOR REQUIREMENTS MUST BE ADHERED TO. ANY DEVIATIONS FROM ANCHOR REQUIREMENTS REQUIRES SEPARATE EVALUATION AND APPROVAL.
- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/2$ 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.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/2 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
 - CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - MASONRY - CMU UNIT STRENGTH CONFORMS TO ASTM C-90, WITH MIN. COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C 476, MIN. GROUT COMPRESSIVE STRENGTH OF 2000 PSI.
 - STEEL - MINIMUM YIELD STRENGTH OF 36 KSI. MINIMUM 18 GA. WALL THICKNESS.
 - ALUMINUM - MINIMUM 1/8 INCH THICK 6063-T5 ALUMINUM.



NOTE:
SILL HAS SIMILAR DETAILS



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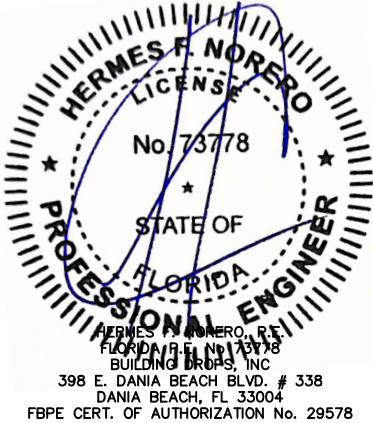
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