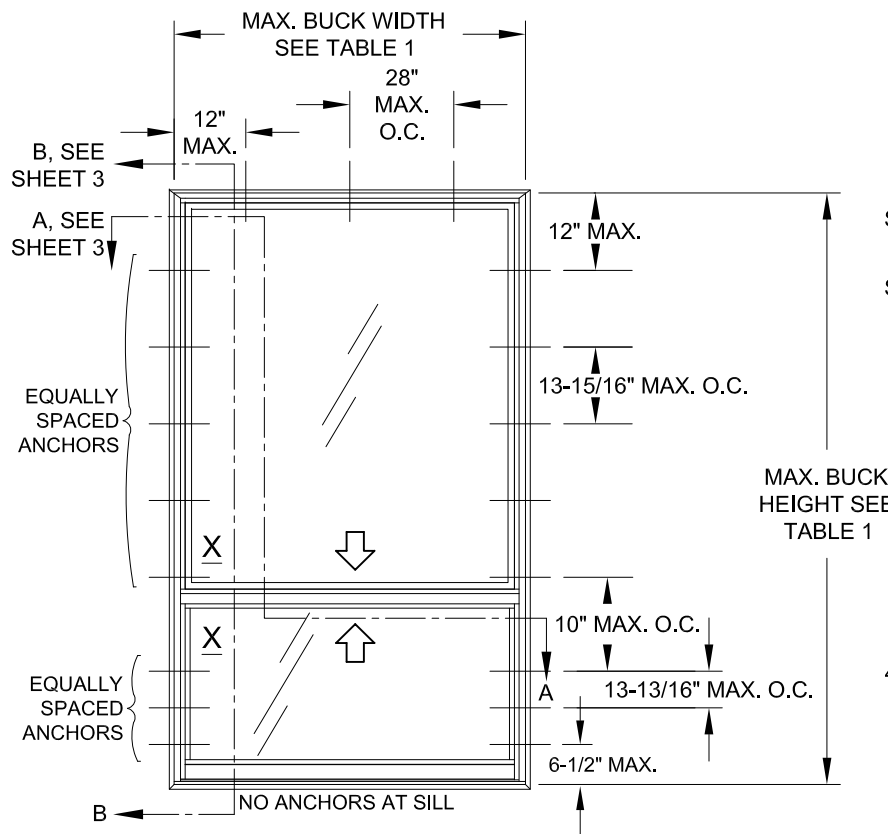
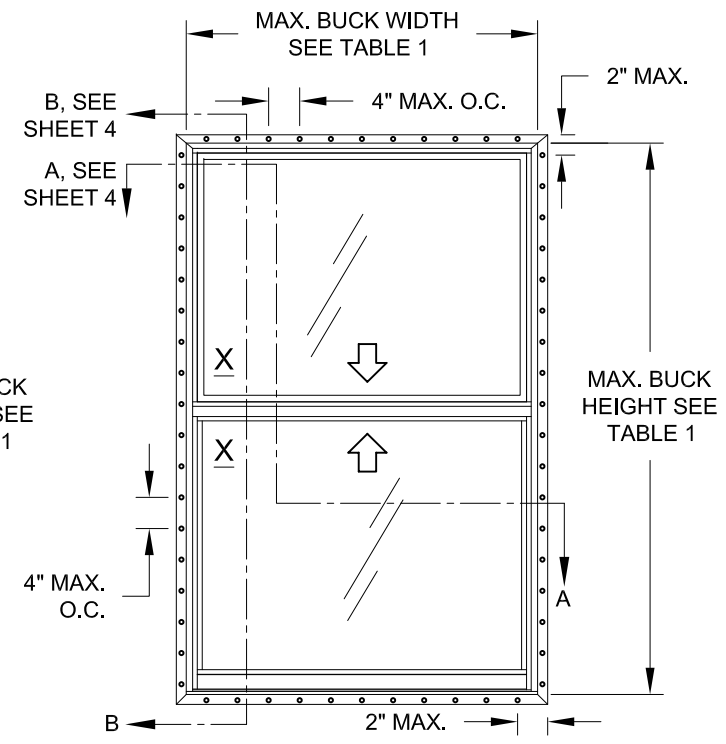


ELEVATION FOR TYP. EQUAL LEG FRAME,
EQUAL-LITE CONFIGURATION



ELEVATION FOR TYP. FLANGE FRAME,
PROVIEW/ORIEL CONFIGURATION

IMPACT RATING	DESIGN PRESSURE RATING
LARGE & SMALL MISSILE IMPACT RESISTANT	SEE TABLE 1



ELEVATION FOR TYP. FIN OR J-CANNEL FRAME,
EQUAL-LITE CONFIGURATION
(SIMILAR ANCHOR DIMENSIONS FOR OTHER CONFIGURATIONS)

**GENERAL NOTES: SERIES 5560 IMPACT RESISTANT, VINYL
DOUBLE HUNG WINDOW**

1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2018 INTERNATIONAL BUILDING CODE (IBC) AND THE 2018 INTERNATIONAL RESIDENTIAL CODE (IRC) FOR THE DESIGN PRESSURES LISTED.

2) ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER, (EOR) OR ARCHITECT OF RECORD, (AOR).

3) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT EMBEDMENT. INSTALLATION ANCHORS SHOULD BE SEALED. OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.

4) MAX. 1/4" SHIMS ARE REQUIRED AT EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS. WOOD BUCKS, BY OTHERS, MUST BE SUFFICIENTLY ANCHORED TO RESIST LOADS IMPOSED ON THEM BY THE WINDOW.

5) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WINDLOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33-1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS SHALL BE COATED OR CORROSION RESISTANT AS SPECIFIED IN THE IBC/IRC.

TABLE 1:

Window Buck Size		Configuration	Reinf. Level	Design Pressure		Certification (CAR) Number
Width	Height			(+) psf	(-) psf	
52-1/8"	84"	Equal-lite	R1	50.0	50.0	190-287, 1034
52-1/8"	75"	Std. ProView				
52-1/8"	86-3/8"	Custom Sash				
52-1/8"	84"	Equal-lite	R2	65.0	70.0	190-288, 1035
52-1/8"	75"	Std. ProView				
52-1/8"	86-3/8"	Custom Sash				

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1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600

Series	Rev 1	Desc.	VINYL DH WINDOW TDI (IMP.-RESIST.)	Date	3/17/15			
			GENERAL NOTES & ELEVATIONS	Drawn By	J ROSOWSKI			
	Rev 2	Rev 1	UPDATED CODE & ANCHORS - JR	Date	6/25/21			
DH-5560	Scale	NTS	Sheet	1 OF 4	DWG No.	TDI-DH5560.1	Rev. No.	A

ANTHONY LYNN MILLER
106954
LICENSED PROFESSIONAL ENGINEER
A Lynn Miller 7/16/21
A. LYNN MILLER, P.E.
P.E.# 106954

TABLE 2: ANCHORS INSTALLED THROUGH FRAME

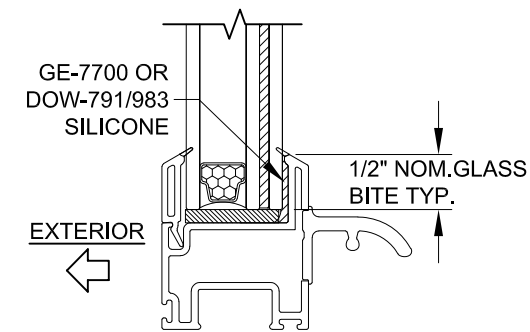
Anchor	Substrate	Min. Edge Distance	Min. Embedment
#10 SMS (steel, 18-8 S.S. or 410 S.S.) Max. DP of 50.0 psf	P.T. Southern Pine (SG=0.55)	7/16"	1-3/8"
	Steel, A36	3/8"	0.050"
	Steel Stud, A653 Gr. 33	3/8"	0.0346" (20 Ga.)
	Aluminum, 6063-T5	3/8"	0.0713" (14 Ga.)
#12 SMS (steel, 18-8 S.S. or 410 S.S.)	P.T. Southern Pine (SG=0.55)	9/16"	1-3/8"
	Steel, A36	3/8"	0.050"
	Steel Stud, A653 Gr. 33	3/8"	0.0346" (20 Ga.)
	Aluminum, 6063-T5	3/8"	0.0713" (14 Ga.)
3/16" Ultracon Max. DP of 50.0 psf	P.T. Southern Pine (SG=0.55)	7/16"	1-3/8"
	Concrete (min. 2.85 ksi)	1"	1-3/8"
	UngROUTED CMU, (ASTM C-90)	2-1/2"	1-1/4"
3/16" Ultracon+ Max. DP of 50.0 psf	P.T. Southern Pine (SG=0.55)	7/16"	1-3/8"
	Concrete (min. 3 ksi)	1"	1-3/8"
	UngROUTED CMU, (ASTM C-90)	1"	1-1/4"
1/4" Ultracon	P.T. Southern Pine (SG=0.55)	1"	1-3/8"
	Concrete (min. 2.85 ksi)	1"	1-3/4"
	UngROUTED CMU, (ASTM C-90)	2-1/2"	1-1/4"
1/4" Ultracon+	P.T. Southern Pine (SG=0.55)	1"	1-3/8"
	Concrete (min. 3 ksi)	1-3/16"	1-3/4"
	UngROUTED CMU, (ASTM C-90)	1"	1-1/4"
1/4" Crete-Flex (410 S.S.)	P.T. Southern Pine (SG=0.55)	1"	1-3/8"
	Concrete (min. 3.35 ksi)	1"	1-3/4"
	UngROUTED CMU, (ASTM C-90)	2-1/2"	1-1/4"
1/4" Aggre-Gator (18-8 S.S.)	Concrete (min. 3.275 ksi)	1-1/2"	1-3/8"
	P.T. Southern Pine (SG=0.55)	1"	1-3/8"
	UngROUTED CMU, (ASTM C-90)	2"	1-1/4"

TABLE 3: ANCHORS INSTALLED THROUGH INTEGRAL FIN

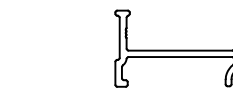
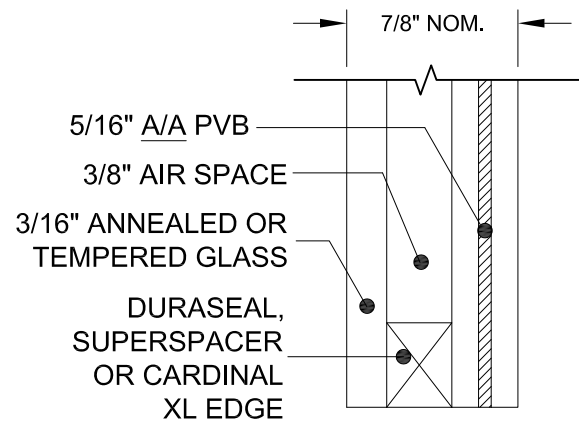
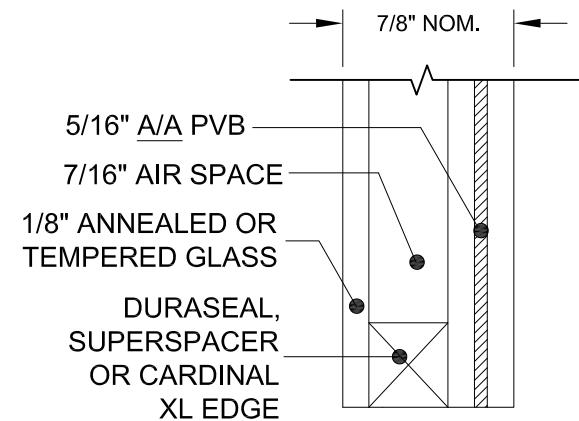
Anchor	Substrate	Min. Edge Distance	Min. Embedment
2-1/2" x .131" Common Nail Max. DP of 50.0	P.T. Southern Pine (SG=.55)	9/16"	2-7/16"
	P.T. Southern Pine (SG=.55)	9/16"	2-7/16"
2-1/2" x .131" Ring-shank Nail	P.T. Southern Pine (SG=.55)	9/16"	2-7/16"
2-1/2" x .145" Roofing Nail	P.T. Southern Pine (SG=.55)	9/16"	2-7/16"
#10 SMS (steel, 18-8 S.S. or 410 S.S.)	P.T. Southern Pine (SG=.55)	3/4"	1-3/8"
	Aluminum, 6063-T5	3/8"	0.050"
	Steel Stud, Gr. 33	3/8"	0.0346" (20 Ga.)
	Steel, A36	3/8"	0.050"

ANCHOR NOTES:

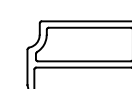
- 1) "UNROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.
- 2) PANHEAD, FLATHEAD OR HEXHEAD ARE ACCEPTABLE.
- 3) ANCHOR LENGTH TO BE SO THAT A MIN. OF 3 THREADS EXTEND BEYOND THE METAL SUBSTRATE.



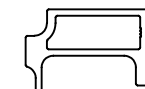
TYP. GLAZING DETAIL



REINFORCENT TYPE A



REINFORCENT TYPE B



REINFORCENT TYPE C

GLAZING TYPES

PVB INTERLAYER MANUFACTURED BY KURARAY AMERICA, INC.

TABLE 4: REINFORCEMENT TYPES

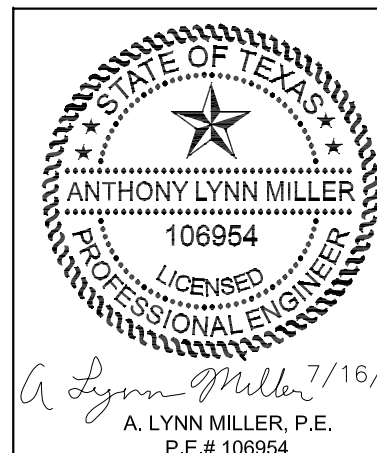
Level	Reinforcement				
	Upper Lite		Lower Lite		
	Top Rail	Bottom Rail	Top Rail	Bottom Rail	Side Rails
R1	A	B	B	A	A
R2	A	C	C	A	A

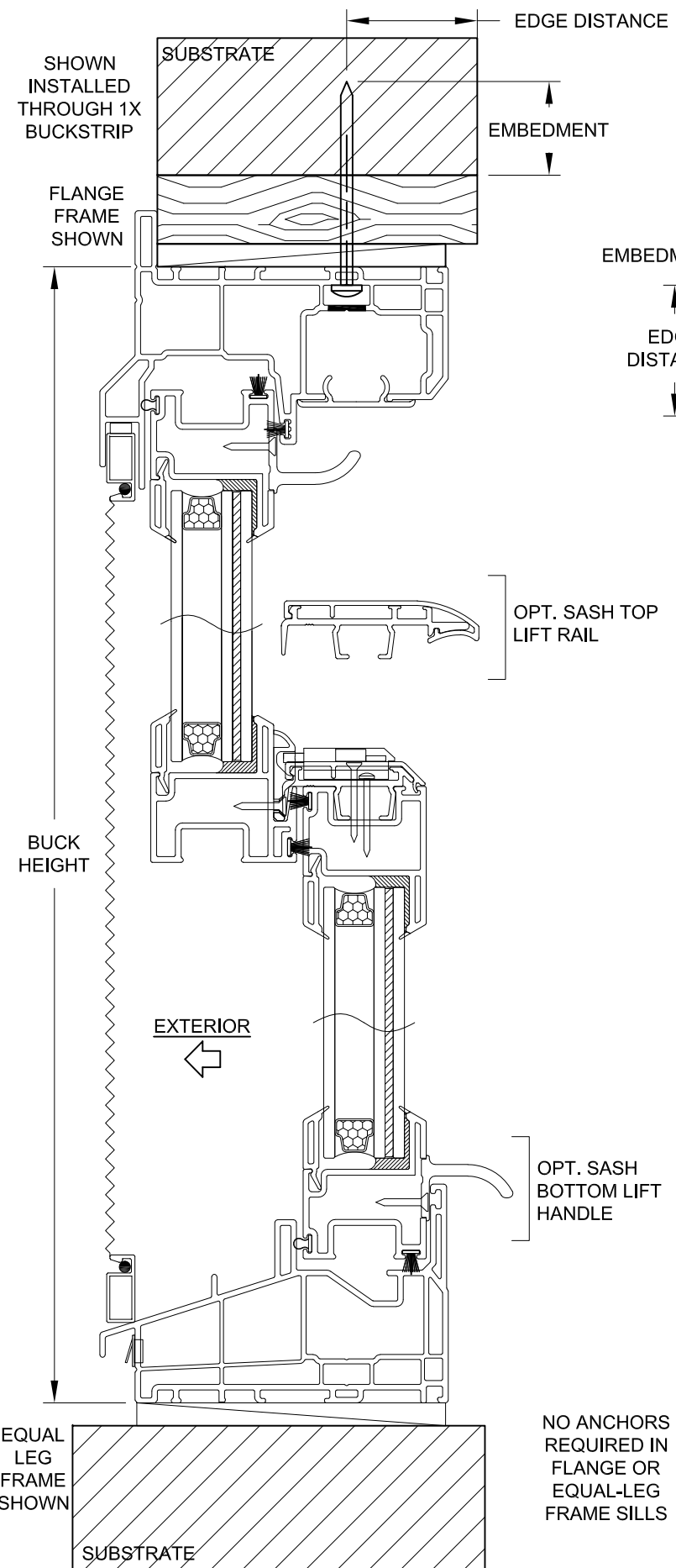


1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600

Series	Rev 1	Desc.	VINYL DH WINDOW TDI (IMP.-RESIST.)		Date	3/17/15		
			GLASS/ANCHOR OPTIONS		Drawn By	J ROSOWSKI		
Rev 2	Rev 1	Date	UPDATED CODE & ANCHORS - JR		Date	6/25/21		
			DH-5560	Scale	NTS	Sheet	2 OF 4	DWG No.

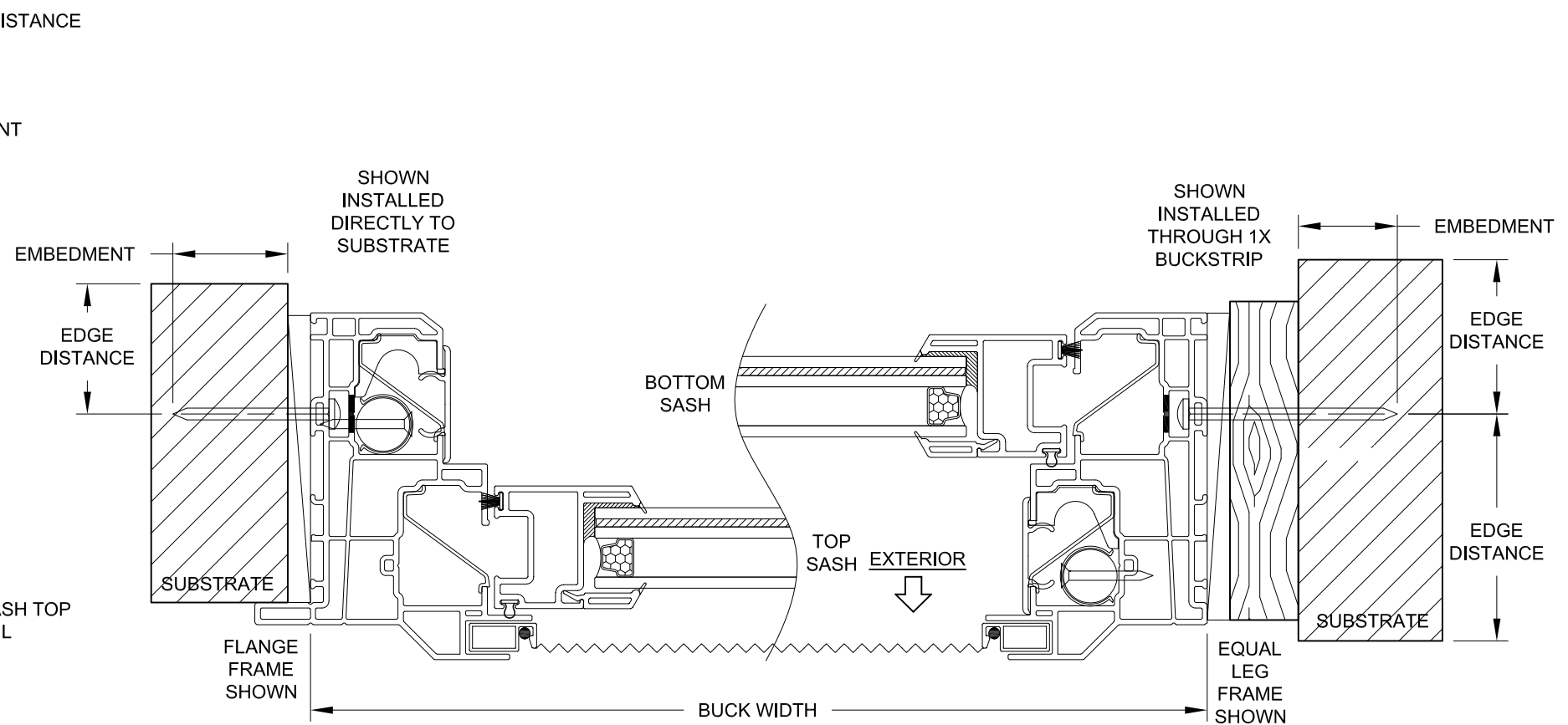
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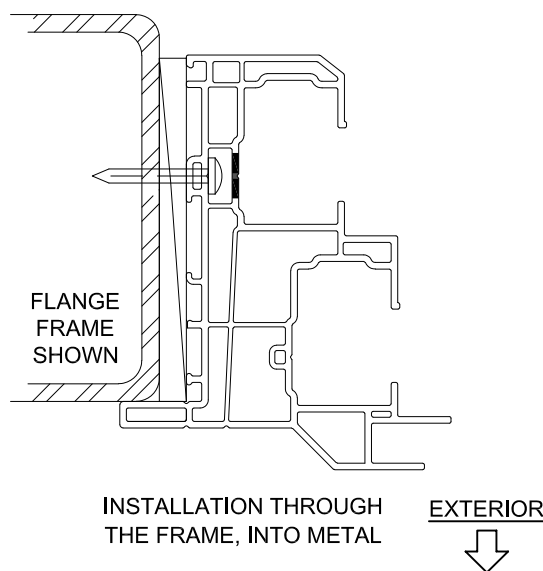


VERTICAL SECTION B-B

NO ANCHORS
REQUIRED IN
FLANGE OR
EQUAL-LEG
FRAME SILLS



HORIZONTAL SECTION A-A



INSTALLATION NOTES:


- 1) SEE SHEET 1 FOR SPACING REQUIREMENTS.
- 2) SEE TABLE(S) ON SHEET 2 FOR ANCHORAGE AND SUBSTRATE REQUIREMENTS.
- 3) MAX. SHIM THICKNESS TO BE 1/4".
- 4) GLASS SHOWN IS FOR ILLUSTRATIVE PURPOSES ONLY AND MAY DIFFER TO MEET DESIGN REQUIREMENTS.
- 5) FIN AND/OR FLANGE MAY BE REMOVED TO CREATE OTHER FRAME TYPES.

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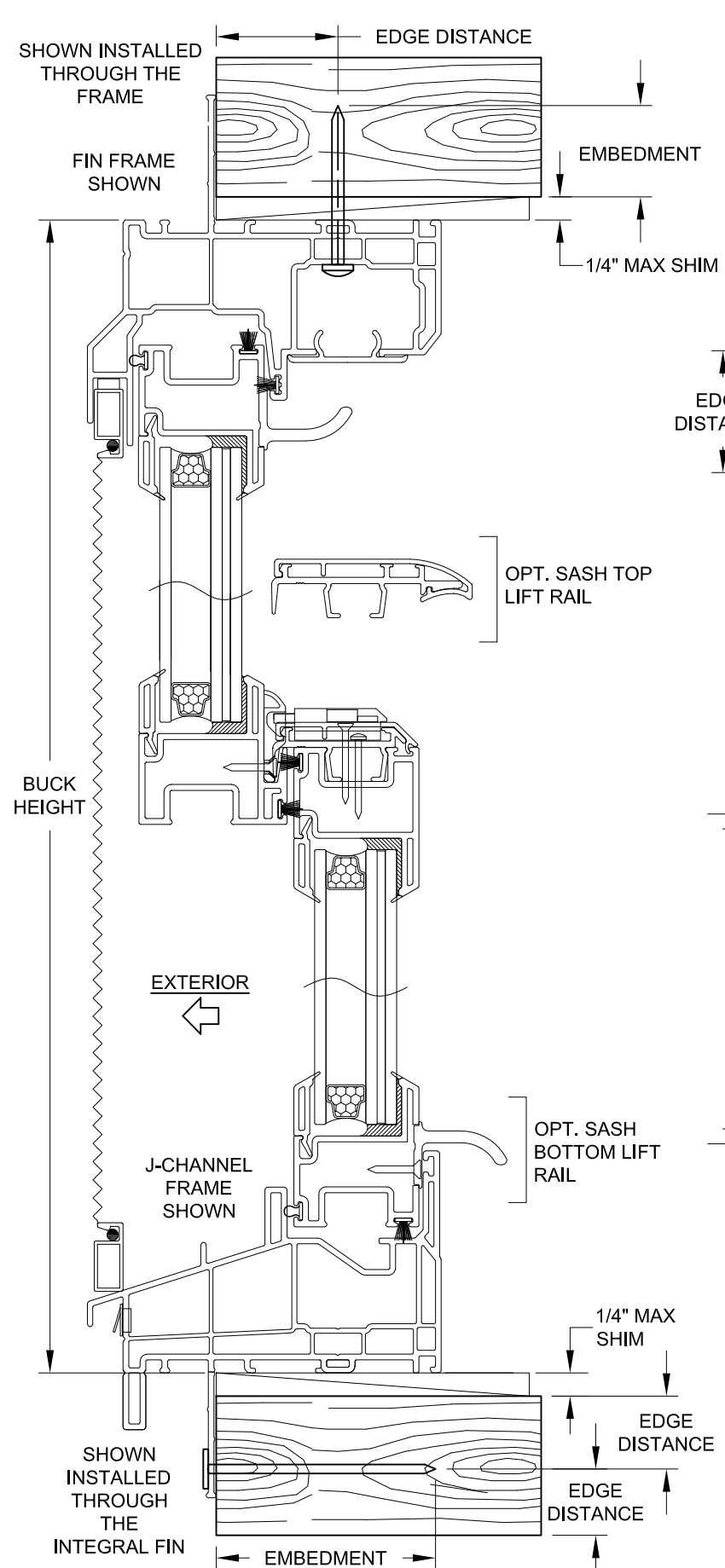


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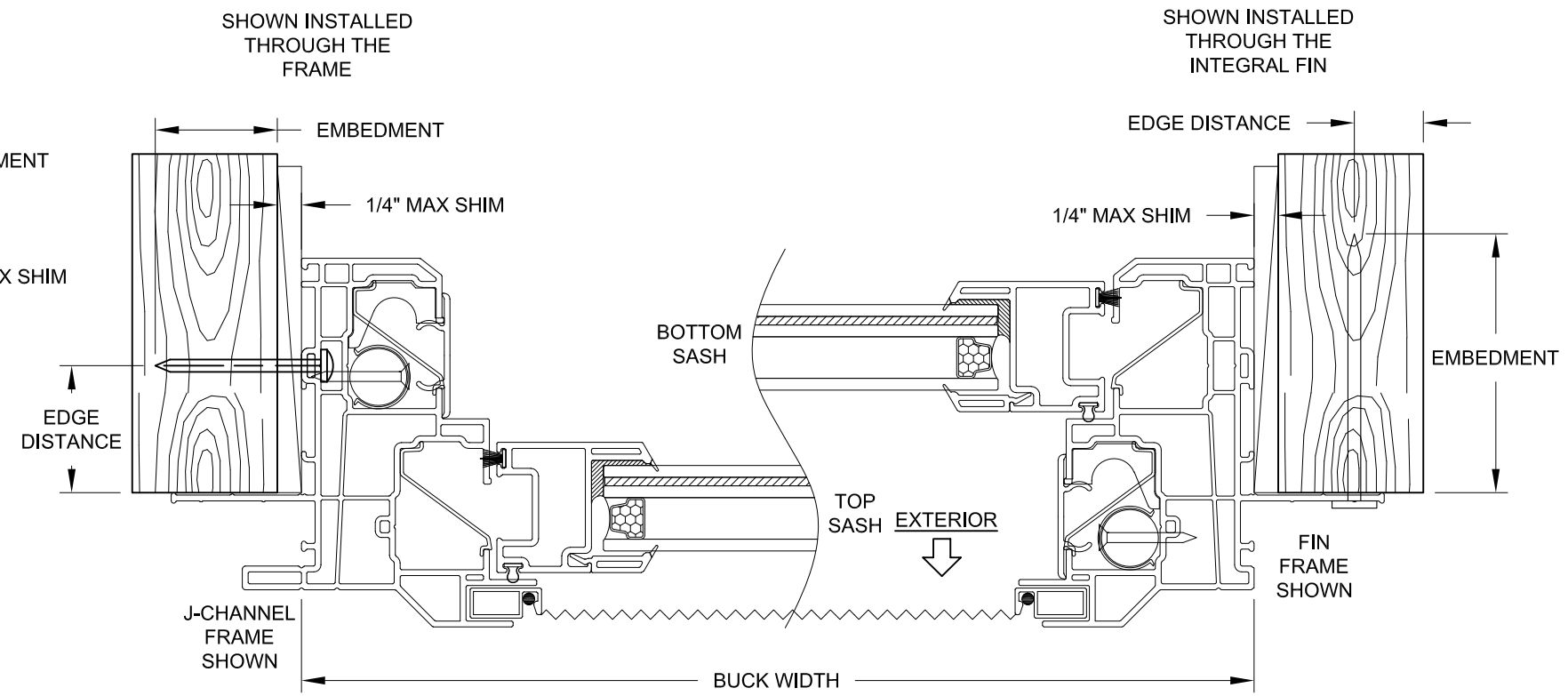
Series	Rev 1	Title	VINYL DH WINDOW TDI (IMP.-RESIST.)	Date	3/17/15
		Desc.	FLANGE & EQUAL-LEG/BOX FRAMES	Drawn By	J ROSOWSKI
	Rev 1	Rev 1	UPDATED CODE & ANCHORS - JR	Date	6/25/21
	Rev 2	Rev 2		Date	
DH-5560	Scale	NTS	Sheet	3 OF 4	DWG No.
					TDI-DH5560.1
				Rev. No.	A



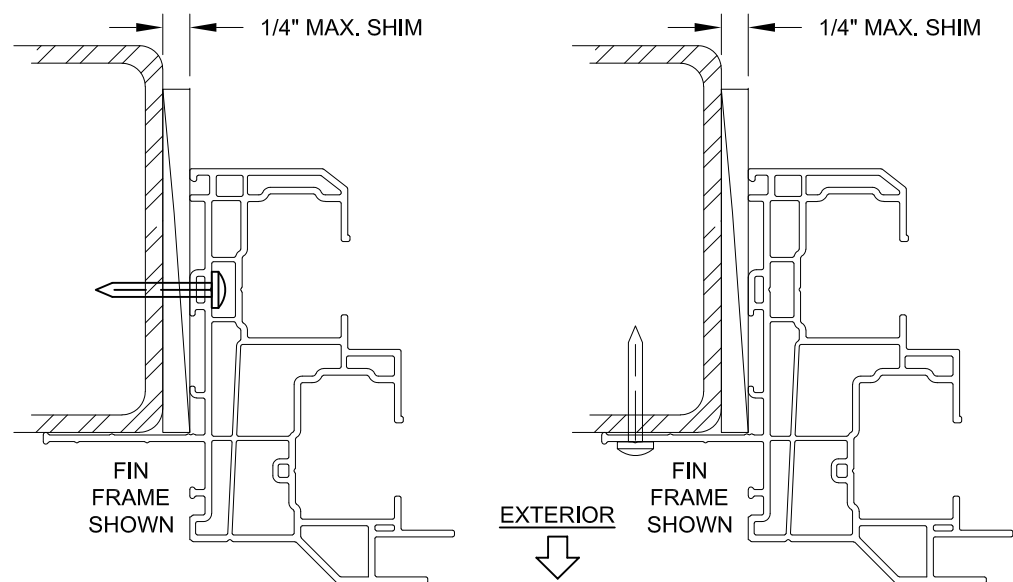
A Lynn Miller 7/16/21
A. LYNN MILLER, P.E.
P.E.# 106954



VERTICAL SECTION D-D



HORIZONTAL SECTION C-C



INSTALLATION THROUGH THE FRAME, INTO METAL INSTALLATION THROUGH THE INTEGRAL FIN, INTO METAL


- INSTALLATION NOTES:**
- 1) SEE SHEET 1 FOR SPACING REQUIREMENTS.
 - 2) SEE TABLE(S) ON SHEET 2 FOR ANCHORAGE AND SUBSTRATE REQUIREMENTS.
 - 3) MAX. SHIM THICKNESS TO BE 1/4".
 - 4) GLASS SHOWN IS FOR ILLUSTRATIVE PURPOSES ONLY AND MAY DIFFER TO MEET DESIGN REQUIREMENTS.
 - 5) FIN AND/OR FLANGE MAY BE REMOVED TO CREATE OTHER FRAME TYPES.

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1070 TECHNOLOGY DRIVE
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Series	Rev 1	Title	VINYL DH WINDOW TDI (IMP.-RESIST.)	Date	3/17/15
	Rev 2	Desc.	J-CHANNEL & INTEGRAL FIN FRAMES	Drawn By	J ROSOWSKI
			UPDATED CODE & ANCHORS - JR	Rev 1 Date	6/25/21
				Rev 2 Date	
DH-5560	Scale	NTS	Sheet	4 OF 4	DWG No.
					TDI-DH5560.1
				Rev. No.	A



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