

ALUCORP S.A. DE C.V.

ALUMINUM CASEMENT WINDOW

(HVHZ) (IMPACT)

GENERAL NOTES:

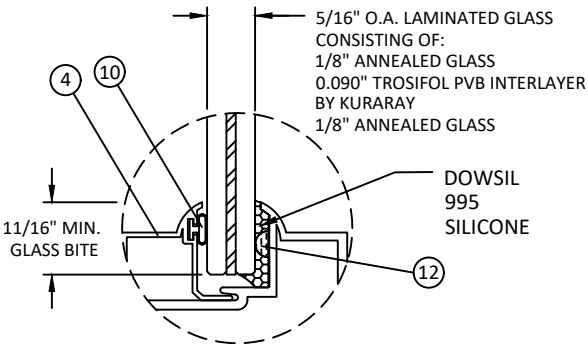
- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLIES WITH THE CURRENT FLORIDA BUILDING CODE (FBC), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X FRAMING AS A MAIN 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 NON-HVHZ AREAS. IN HVHZ AREAS, ONE TIME PRODUCT APPROVAL TO BE OBTAINED FROM MIAMI-DADE RER OR AHJ.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- WINDOW FRAME MATERIAL: ALUMINUM 6063-T5/T6
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE GLAZING DETAILS SHEET 1.

DESIGN PRESSURE TABLE	
GLASS SERIES	DESIGN PRESSURE
SERIES 4030	+60/-65
SERIES 4031	+60/-75
SERIES 4062	+90/-95
SEE SHEET 2 FOR APPROVED SIZES AND ANCHOR INFORMATION	

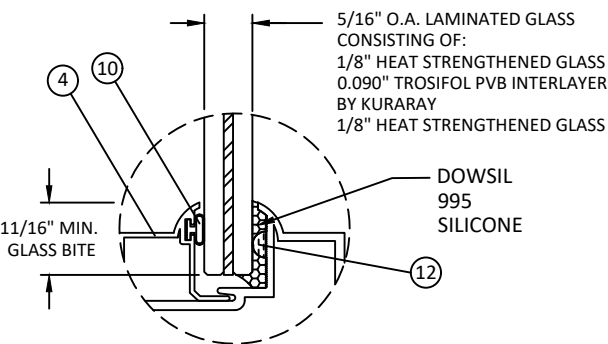
GLAZING NOTES:

- GLASS TYPE AND THICKNESS SHALL COMPLIES WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. THICKNESS, 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.
- SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
- D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES IN ELEVATIONS.

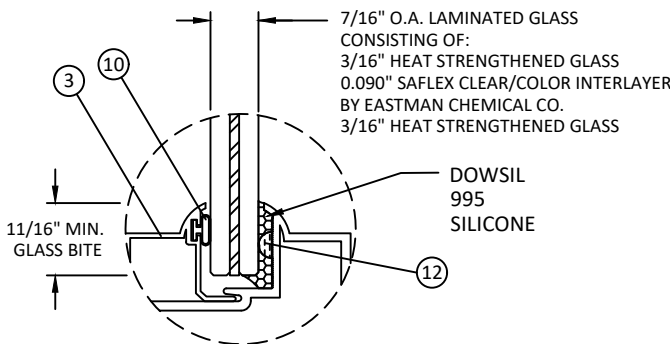
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2	ELEVATION , ANCHOR LAYOUTS & SCHEDULE, INSTALLATION NOTES
3	VERTICAL SECTIONS
4	HORIZONTAL SECTIONS
5	COMPONENTS & BILL OF MATERIAL



GLAZING DETAIL
SERIES 4030



GLAZING DETAIL
SERIES 4031



GLAZING DETAIL
SERIES 4062



ALUCORP S.A. DE C.V.
CALLE 2 TABLAJE 17439 INT C X 21Y
25 CHICHI SUAREZ, MERIDA
YUCATAN, MEXICO

TITLE: ALUMINUM CASEMENT WINDOW (HVHZ) (IMPACT) GENERAL NOTES & GLAZING DETAILS

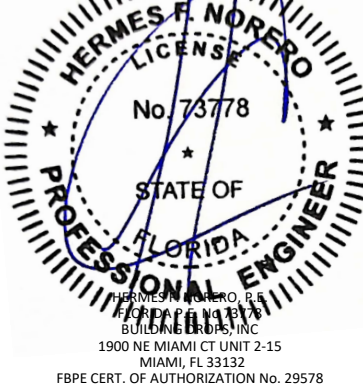
PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI CT UNIT 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.12.28 17:38:55 -07'00'



FL#	FL43874
DATE:	08.17.23
DWG. BY:	DI
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ALP003
SHEET:	1 OF 5

ANCHOR SCHEDULE					
METHOD	ANCHOR TYPE	SUBSTRATE	ANCHOR SCHEDULE	MIN EMBEDMENT	MIN EDGE DISTANCE
THROUGH FRAME	A	WOOD: MIN. SG = 0.55	1/4" DEWALT ULTRACON+ WOOD SCREW (Fu= 177 KSI, Fy= 155 KSI)	1.50"	1.00"
	B	CONCRETE: MIN. F'c=3000 PSI	1/4" DEWALT ULTRACON+ SCREW (Fu= 177 KSI, Fy= 155 KSI)	1.75"	2.50"
	C	METAL: MIN. 1/8" THICKNESS ALUMINUM MIN. 6063-T5	1/4" SELF DRILLING OR SELF TAPPING GRADE 5 SCREW	3 THREADS MIN. PENETRATION INTO SUBSTRATE	0.50"
	C	METAL: 18 GUAGE STEEL MIN. FY=33 KSI	1/4" SELF DRILLING OR SELF TAPPING GRADE 5 SCREW	3 THREADS MIN. PENETRATION INTO SUBSTRATE	0.50"
	D	MASONRY: CMU PER ASTM C90 MIN. F'c=2000 PSI	1/4" DEWALT ULTRACON+ SCREW	1.25"	2.00"
	E	INTO MIAMI-DADE APPROVED MULLIONS (MIN. THK=0.090")(NO SHIM SPACE)	1/4" DEWALT ULTRACON+ SCREW		
CLIP ADAPTER	A	WOOD: MIN. SG = 0.55	1/4" DEWALT ULTRACON+ WOOD SCREW (Fu= 177 KSI, Fy= 155 KSI)	1.50"	1.00"
	C	METAL: MIN. 1/8" THICKNESS ALUMINUM MIN. 6063-T5	1/4" SELF DRILLING OR SELF TAPPING GRADE 5 SCREW	3 THREADS MIN. PENETRATION INTO SUBSTRATE	0.50"
	C	METAL: 18 GUAGE STEEL MIN. FY=33 KSI	1/4" SELF DRILLING OR SELF TAPPING GRADE 5 SCREW	3 THREADS MIN. PENETRATION INTO SUBSTRATE	0.50"

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH BASED ON QUANTITIES IN DP CHARTS NOT TO EXCEED THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAILS (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT
4. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
5. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
6. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
7. 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.
8. 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.
9. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.

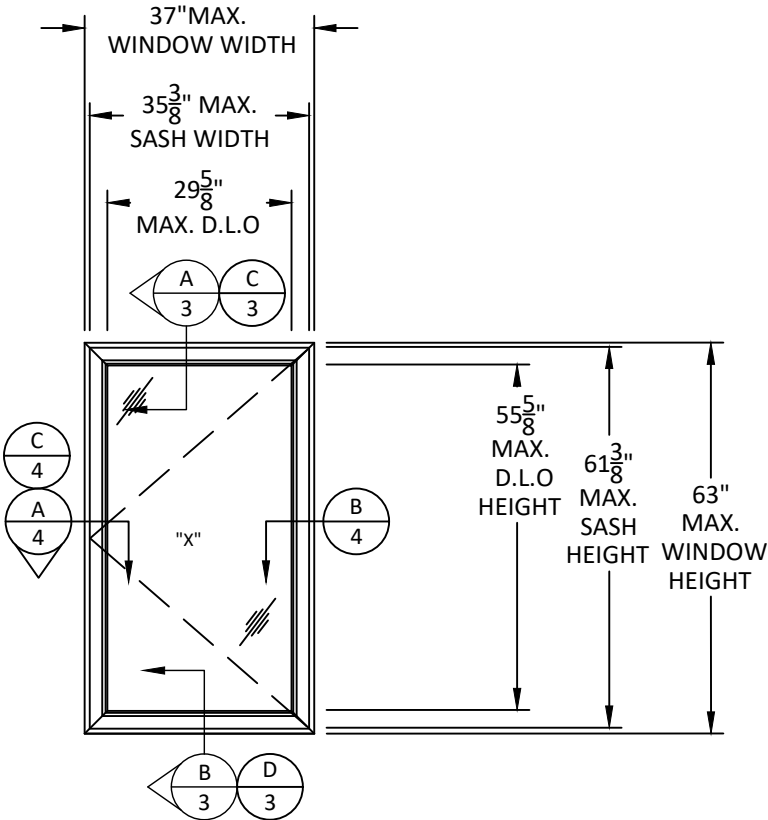
B. CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.

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.

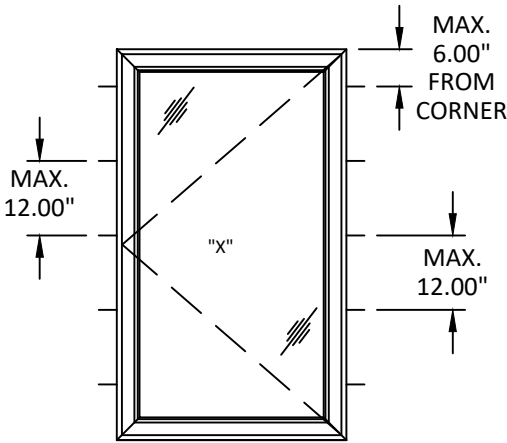
D. HOLLOW BLOCK CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.

E. STEEL - MINIMUM YIELD STRENGTH OF 36 KSI. MINIMUM 18 GA. WALL THICKNESS.

F. ALUMINUM - MINIMUM ALLOY 6063-T5. MINIMUM WALL THICKNESS OF 1/8" (0.125").



TYPICAL ELEVATION
CASEMENT WINDOW



ANCHOR LAYOUT
CASEMENT WINDOW



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YUCATAN, MEXICO

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ELEVATIONS, ANCHOR LAYOUTS & SCHEDULE, INSTALLATION NOTES

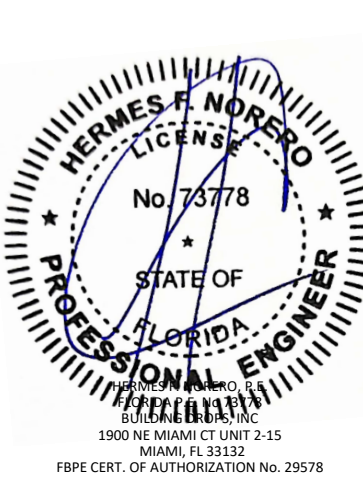
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REMARKS	BY	DATE

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FL#
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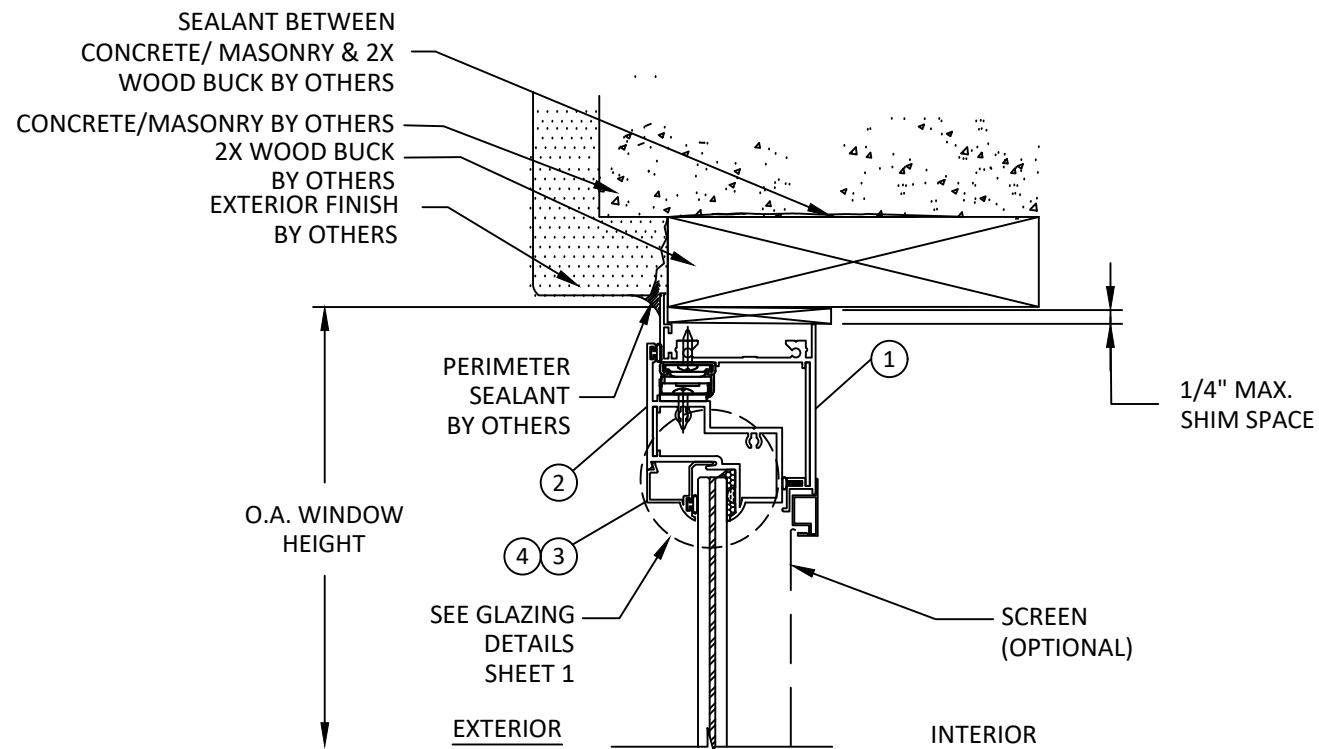
DATE: **08.17.23**

DWG. BY: **DI**CHK. BY: **HFN**

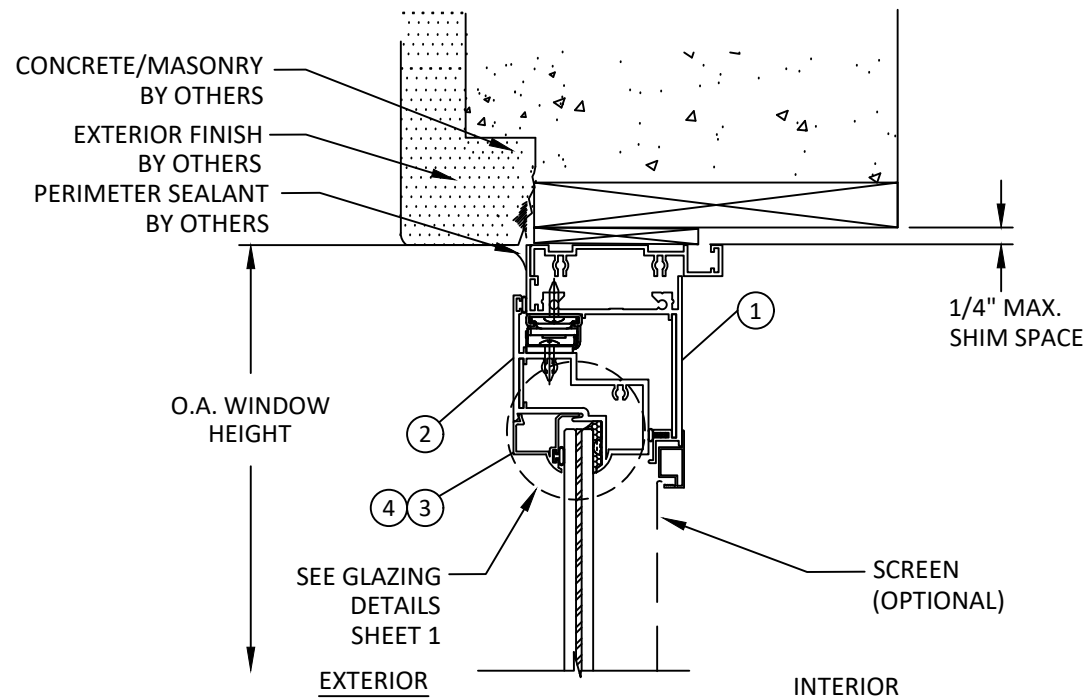
SCALE: **NTS**

DWG. #: **ALP003**

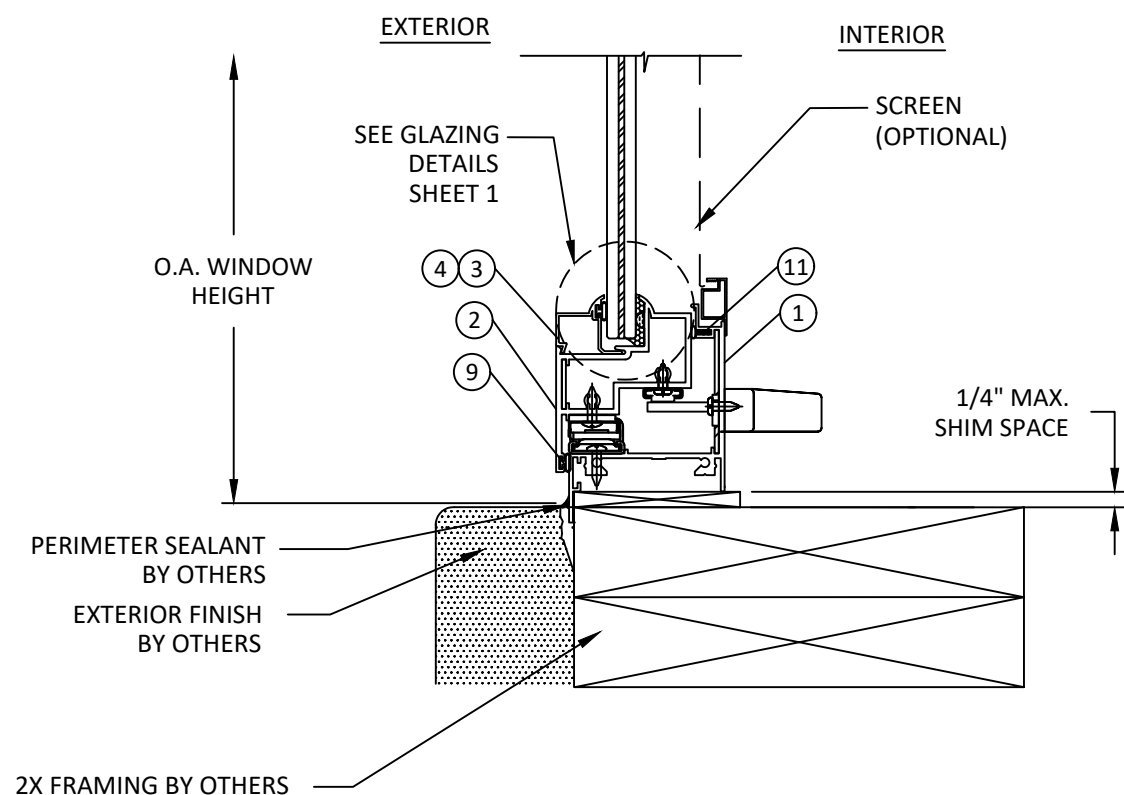
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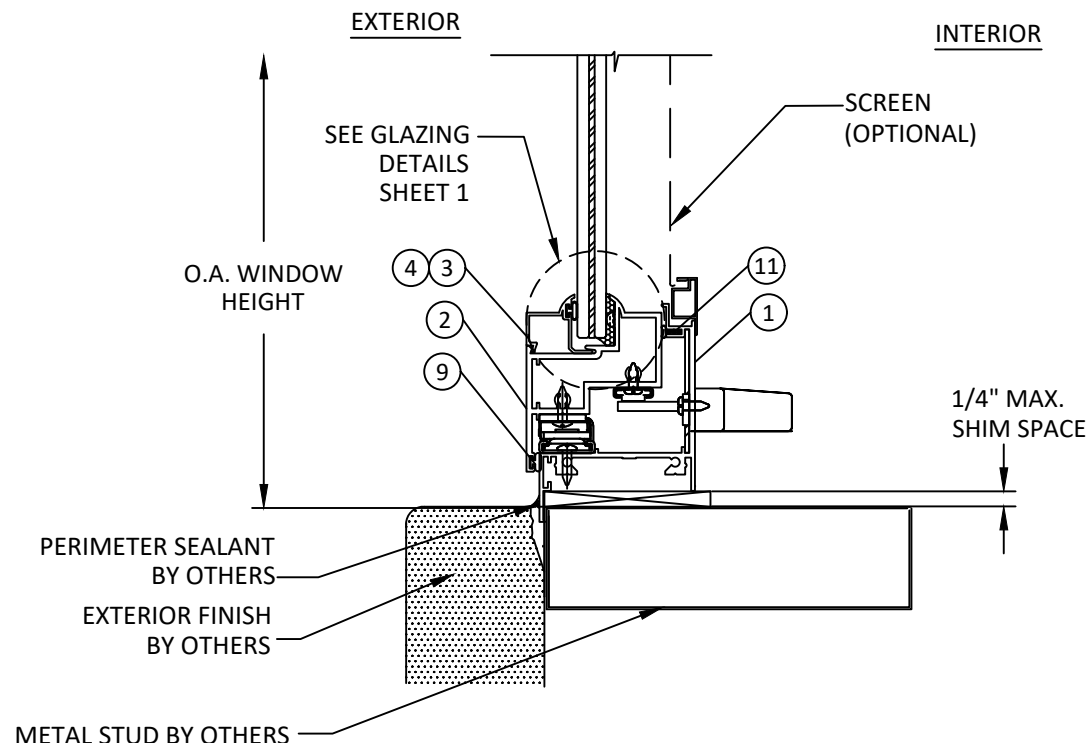
A
3 **VERTICAL SECTION**
HEAD-2X WOOD BUCK



C
3 **VERTICAL SECTION**
HEAD-CONCRETE/ MASONRY



B
3 **VERTICAL SECTION**
SILL- 2X WOOD FRAMING



D
3 **VERTICAL SECTION**
SILL - METAL SUBSTRATE



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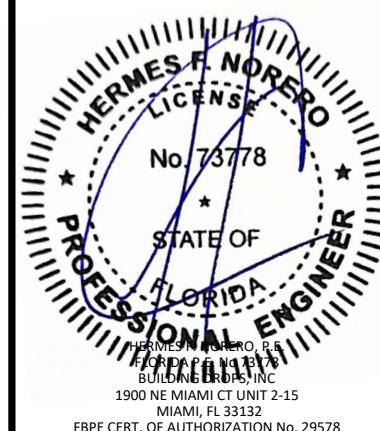
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VERTICAL SECTIONS

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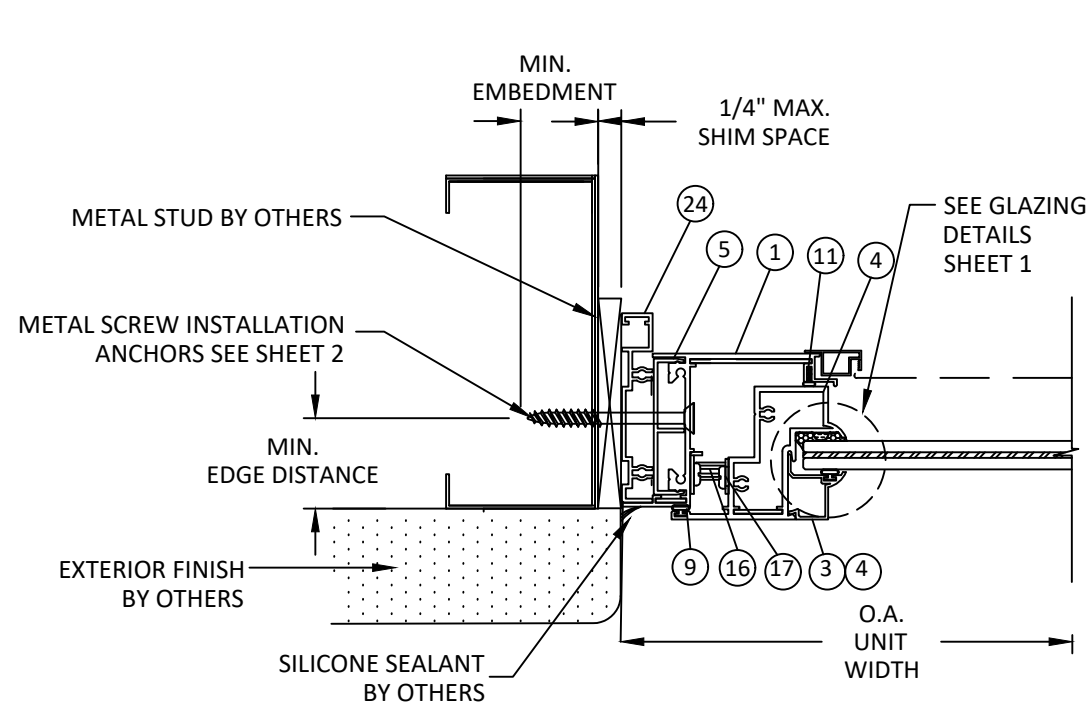


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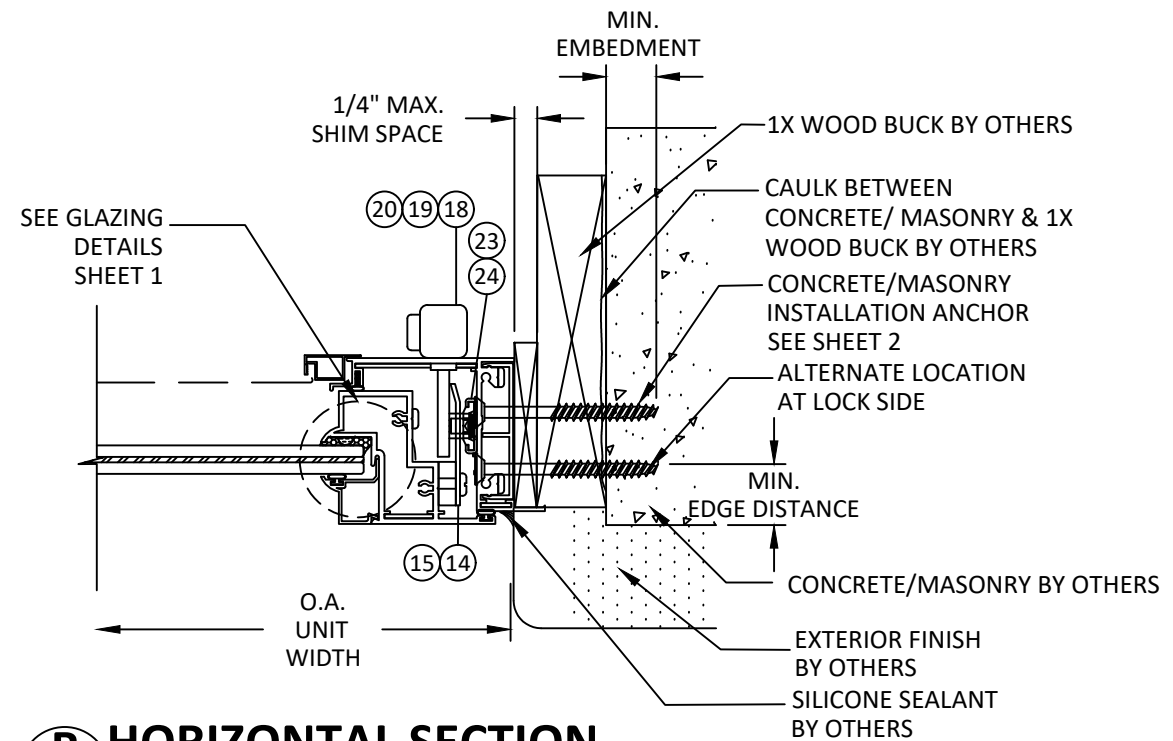
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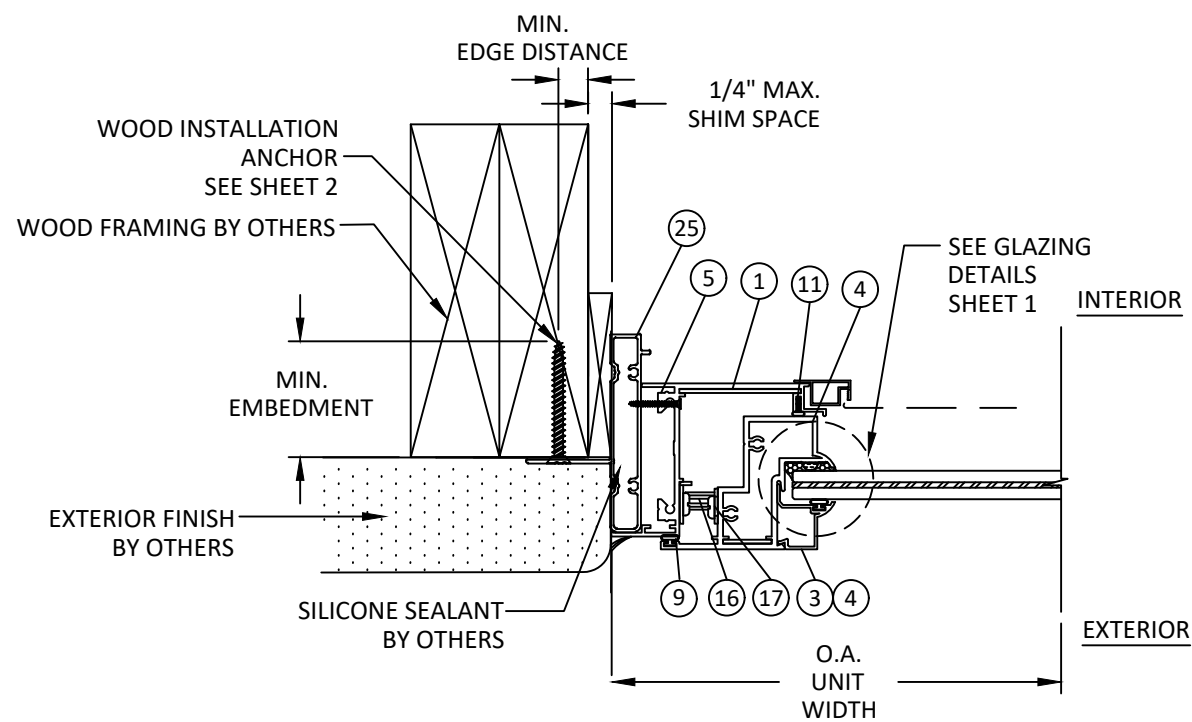
A
4 **HORIZONTAL SECTION**
JAMB-METAL STUD
THROUGH FRAME INSTALLATION
WITH OPTIONAL LEG ADAPTER

INTERIOR

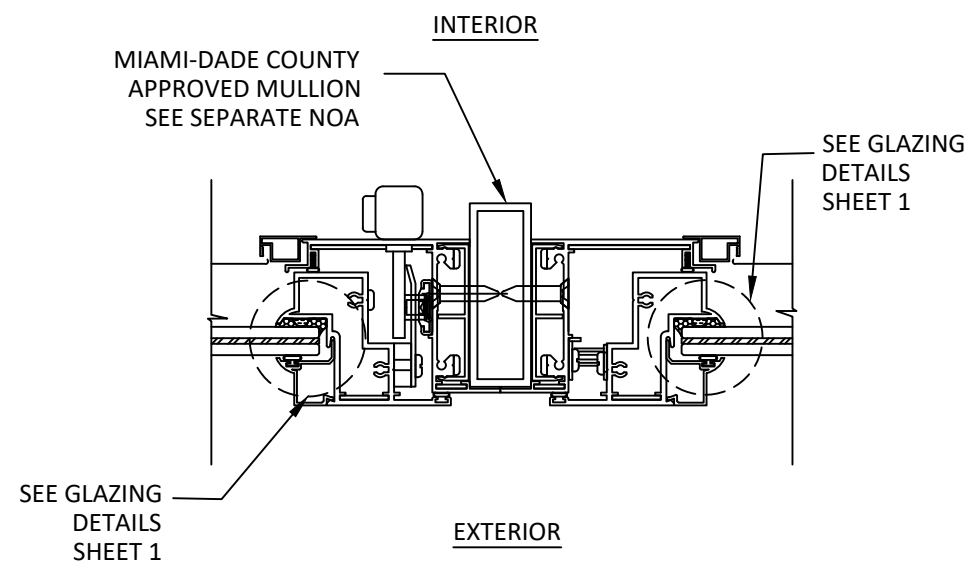
EXTERIOR



B
4 **HORIZONTAL SECTION**
JAMB-CONCRETE/ MASONRY
THROUGH FRAME INSTALLATION



C
4 **HORIZONTAL SECTION**
JAMB-WOOD FRAMING
FIN CLIP INSTALLATION



E
4 **HORIZONTAL SECTION**
MULLION SEE SEPERATE NOA

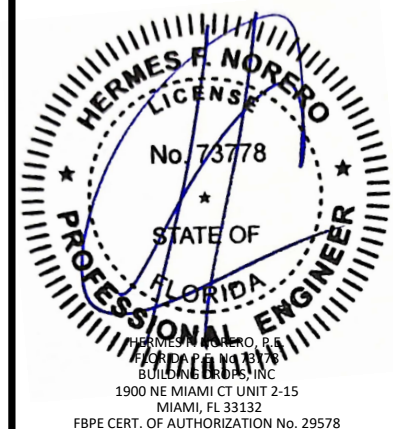
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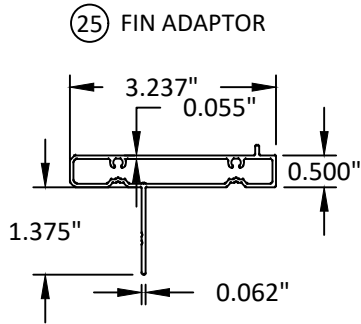
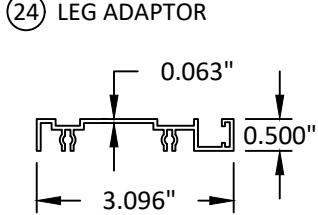
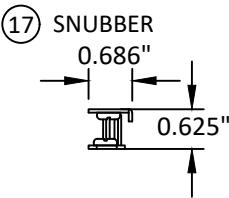
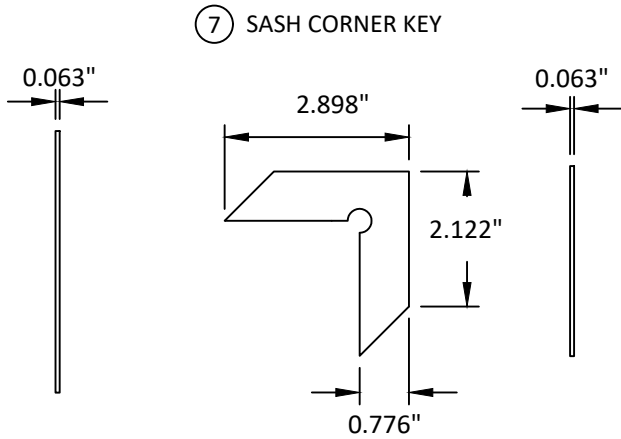
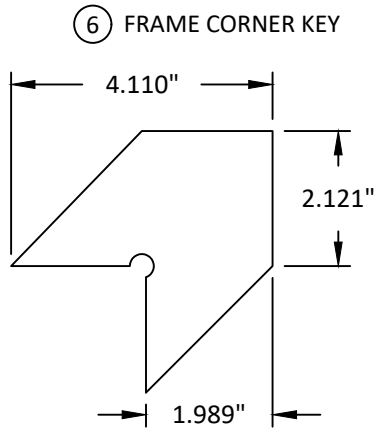
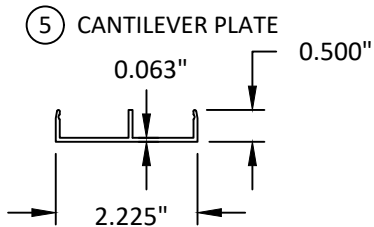
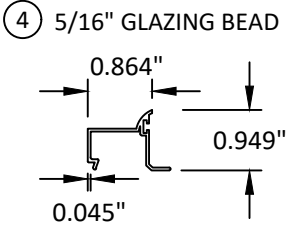
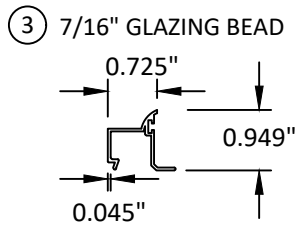
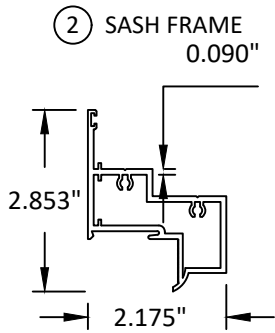
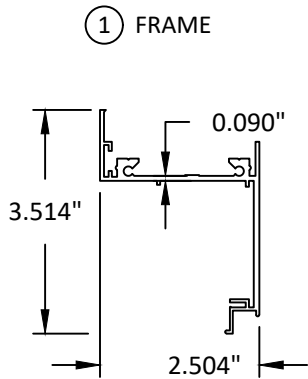
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SHEET:	4

BILL OF MATERIALS				
ITEM	PART NO.	DESCRIPTION	MATERIAL	MANUF./SUPPLIER/REMARKS
1	021-048	FRAME HEAD,SILL,JAMB	6063-T5	-
2	022-035	SASH TOP, BOT, VERTICAL	6063-T5	-
3	021-040	7/16 GLAZING BEAD	6063-T5	-
4	021-034	5/16 GLAZING BEAD	6063-T5	-
5	021-49	CANTILEVER PLATE 3" LG	6063-T6	AT ANCHOR LOCATION
6	021-050-1	FRAME CORNER KEY	6063-T6	-
7	025-050-1	SASH CORNER KEY	6063-T6	-
8	021-011	SILICONE	DOWSIL 995	DOWSIL
9	023-005	FOAM FILLED BULB (32005)	-	AMESBURRY
10	015-001	GLAZING VINYL	-	MASTER TOOL
11	023-004	FOAM FILLED BULB (12032)	-	AMESBURRY
12	015-006	1/8" DIA GLASS SPACER	ACRYLIC	FRANK LOW RUBBER
13	008-014	#8 X 1 PHPH SMS	ST/ST	CORNER ASSEMBLY
14	40978	KEEPER	ULTRA	ULTRA
15	# 8 X 1 PHSH SMS	KEEPER FASTENER	ST/ST	-
16	C0592	SNUBBERS SET	ST/ST	ULTRA
17	# 8 X 1 PHSH SMS	SNUBBERS FASTENER	ST/ST	-
18	31678	HANDLE	-	ULTRA
19	# 10-32 MS SELF TAP	HANDLE FASTENER	ST/ST	-
20	57750	OFFSET	ST/ST	ULTRA
21	15026R1	CRANK HANDLE	-	ULTRA
22	8300	SLIDE BAR W/ GUIDE	6063-T5	PIN ADVANTAGE MFG
23	# 10-32 MS SELF TAP	SLIDE BAR FASTENER	ST/ST	-
24	-	LEG ADAPTOR	6063-T5	ARCH ALUM
25	-	FIN ADAPTOR	6063-T5	ARCH ALUM




INTERALUM

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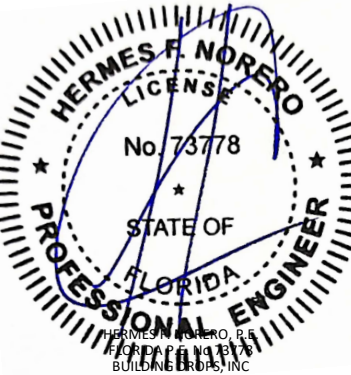
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HERMES F. NORERO, P.E.
BUILDING DROPS, INC.
1900 NE MIAMI CT UNIT 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL# FL43874

DATE: 08.17.23

DWG. BY: DI

CHK. BY: HFN

SCALE: NTS

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SHEET: 5 OF 5