

AMERICAN CRAFTSMAN WINDOWS

SILVER LINE WINDOWS AND DOORS

V3 SERIES/70 SERIES PICTURE & FIXED

SPECIALTY WINDOW (2130)(IMPACT)(HVHZ)

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 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 3/8 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
5. FIN INSTALLATION: FOR INSTALLATION INTO WOOD FRAMING USE #8 WOOD SCREWS OR 11 GAUGE ROOFING NAILS OR 10d COMMON NAILS OF SUFFICIENT LENGTH TO ACHIEVE 1-1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
6. FIN INSTALLATION: FOR INSTALLATION INTO METAL STUD USE #8 SELF-TAPPING SCREWS, OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL WALL.
7. THROUGH FRAME INSTALLATION: FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 3/16 INCH DIAMETER ITW TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1-1/4 INCH MINIMUM EMBEDMENT.
8. THROUGH FRAME INSTALLATION: FOR INSTALLATION INTO WOOD FRAMING USE #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1-1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
9. THROUGH FRAME INSTALLATION: FOR INSTALLATION INTO METAL STUD USE #10 SELF-TAPPING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL WALL.
10. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
11. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
12. 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.
13. 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.
14. 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 33 KSI. MINIMUM WALL THICKNESS OF 35.9 MIL (0.0478" or 18 GAUGE). MIN. 1/2" EDGE DISTANCE.

F. ALUMINUM - MINIMUM ALLOY 6063-T5. MINIMUM WALL THICKNESS OF 1/16". MIN. 1/2" EDGE DISTANCE.

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:

TAS 201-94

TAS 202-94

TAS 203-94

AAMA/WDMA/CSA 101/I.S.2/A440-11

ASTM E1886-19

ASTM E1996-20
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, AND METAL 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.
3. 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.
4. 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.
5. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. WINDOW FRAME MATERIAL: PVC
7. IN ACCORDANCE WITH THE CURRENT EDITION FBC, WOOD COMPONENTS SHALL HAVE BEEN PRESERVATIVE TREATED OR SHALL BE OF A DURABLE SPECIES AS DEFINED IN CHAPTER 23.
8. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 4 FOR GLAZING DETAILS.
9. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:

X: OPERABLE PANEL

O: FIXED PANEL

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SECTION	REVISION	SHEET DESCRIPTION
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2	-	ELEVATION & ANCHOR LAYOUTS
3	-	VERTICAL SECTIONS
4	-	HORIZONTAL SECTIONS & GLAZING DETAILS
5	-	BILL OF MATERIALS & COMPONENTS

DESIGN PRESSURE TABLE			
OVERALL SIZE		DESIGN PRESSURE	MISSILE IMPACT RATING
WIDTH	HEIGHT		
53"	73"	+55 / -55 PSF	LARGE & SMALL MISSILE IMPACT

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2025.01.23 13:16:23 +03'00'

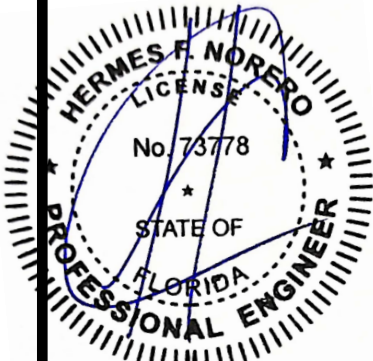
AMERICAN CRAFTSMAN
WINDOWS
SILVER LINE WINDOWS AND
DOORS

ONE SILVERLINE DRIVE
NORTH BRUNSWICK, NJ 08902
PH: (888) 741-0354

TITLE: V3/70 SERIES FIXED SPECIALTY (2130) (IMPACT) (HVHZ)

INSTALLATION & GENERAL NOTES

DATE	BY	REVISION DESCRIPTION	DATE
10.16.17	AR	6TH FBC EDITION	10.16.17
DWN BY:	LMH	7TH EDITION 2020 FBC	12.04.20
CHK BY:	LMH	8TH EDITION 2023 FBC	12.09.23
SCALE:	NTS	UPDATED TO CURRENT FBC.	01.09.25



HERMES F. NORERO
FLORIDA P. E. NO. 73778
1900 NE MIAMI CT. SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION NO. 29578

BUILDING DROPS, INC.
1900 NE MIAMI CT. SUITE 2-15
MIAMI, FL 33132
PH:(954)399-8478 FX:(954)744-4738

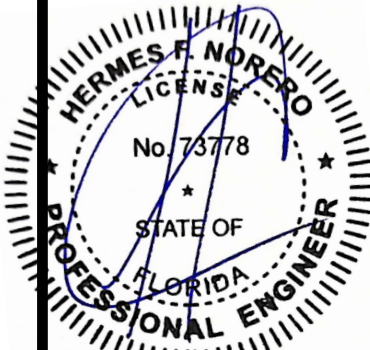
FL#: 17767

DWG #: SWD042

SHEET: 1 OF 5

TITLE: V3/70 SERIES FIXED SPECIALTY (2130) (IMPACT) (HVHZ) ELEVATIONS, ANCHOR LAYOUTS & ASSEMBLY NOTES	REVISION DESCRIPTION		DATE	
	NO.	BY	DATE	
	A	AR	10.16.17	
	B	LMH	12.04.20	
	C	LMH	12.09.23	
	D	LMH	01.09.25	

DATE: 10.16.17	DWN BY: AR	CHK BY: HFN	SCALE: NTS
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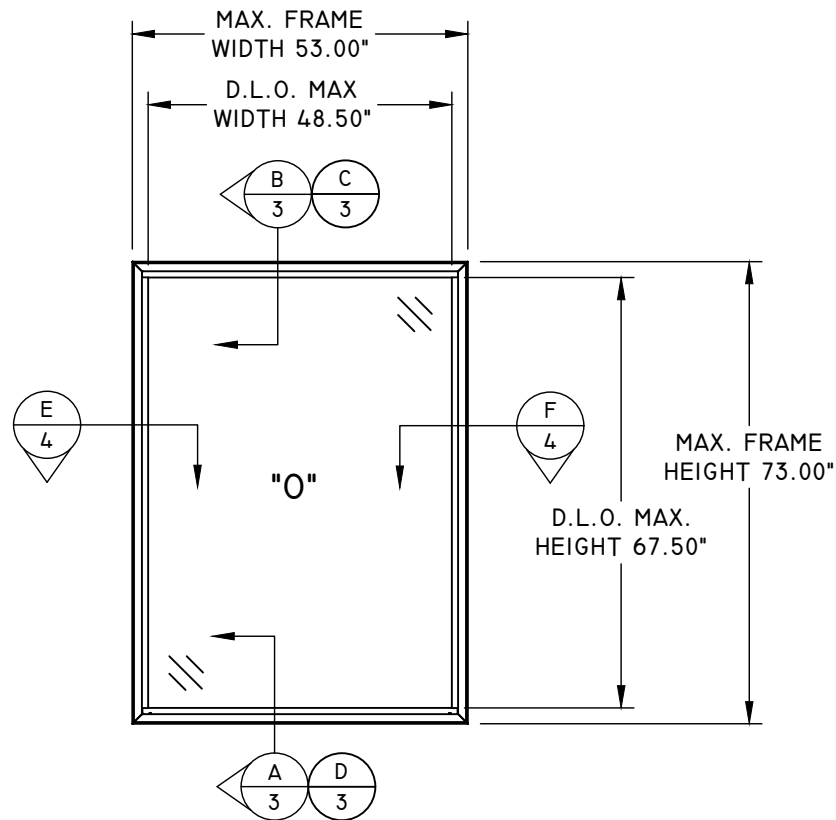
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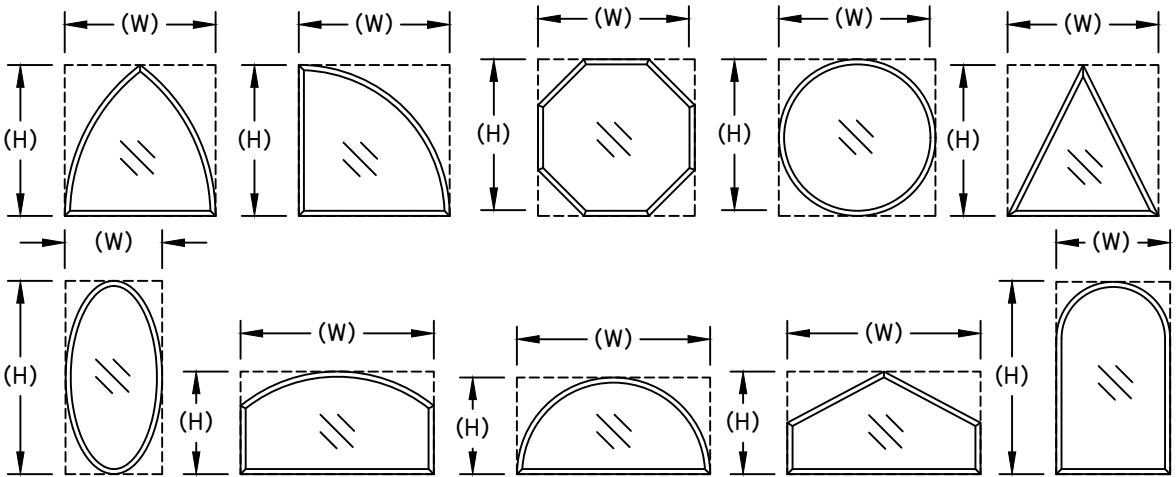
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DWG #: SWD042

SHEET: 2 OF 5

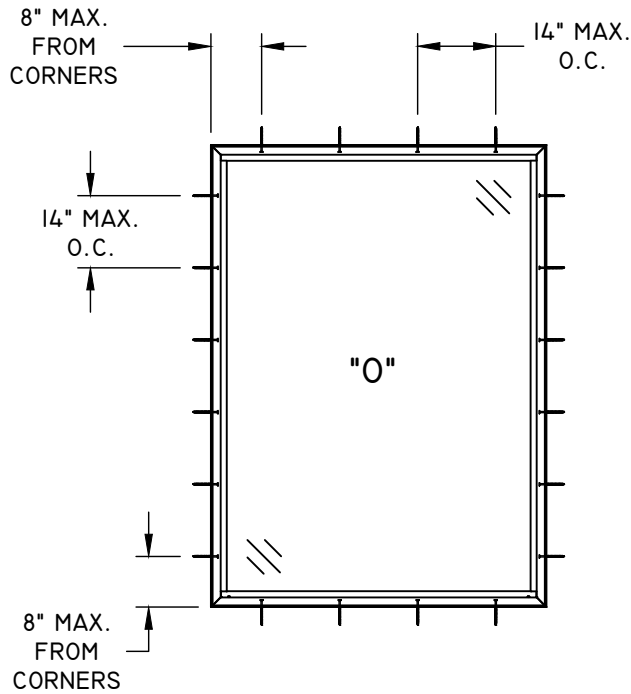


ELEVATION

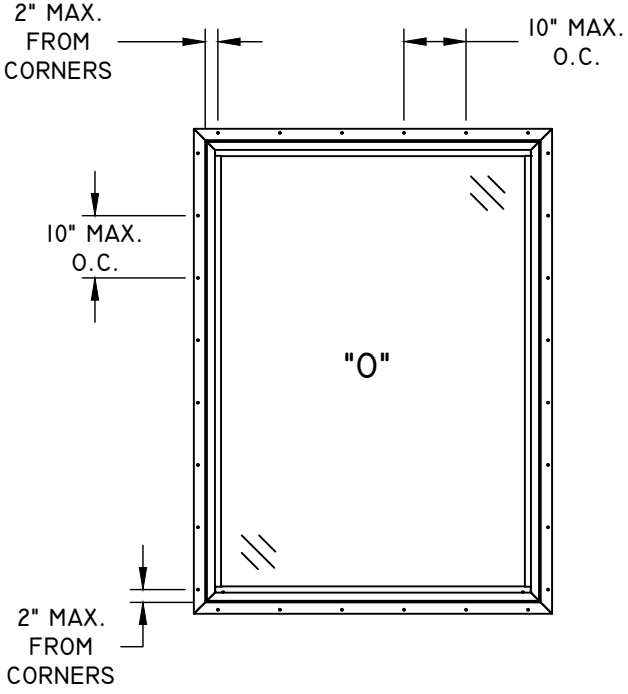


UNITS OF THE SHOWN SHAPES ARE ALLOWED PROVIDED CONSTRUCTION, GLAZING, & ANCHORAGE ARE PER DETAILS SHOWN HEREIN. ALL SHAPED UNITS SHALL FIT WITHIN THE RECTANGULAR AREAS AS SHOWN.

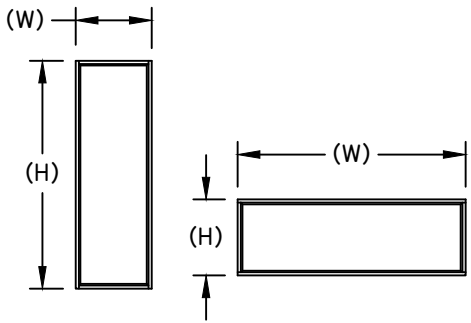
- MAXIMUM W = 53"
- MAXIMUM H = 73"
- MAXIMUM DP = +/- 55 PSF



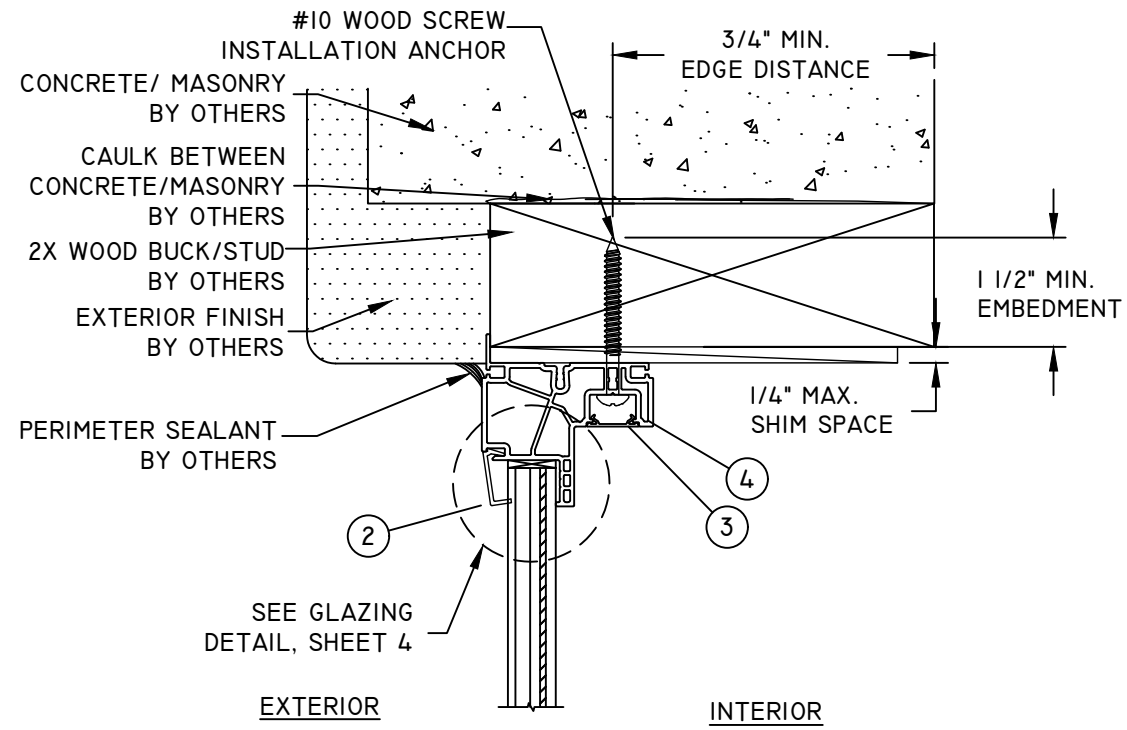
ANCHOR LAYOUT
FINLESS



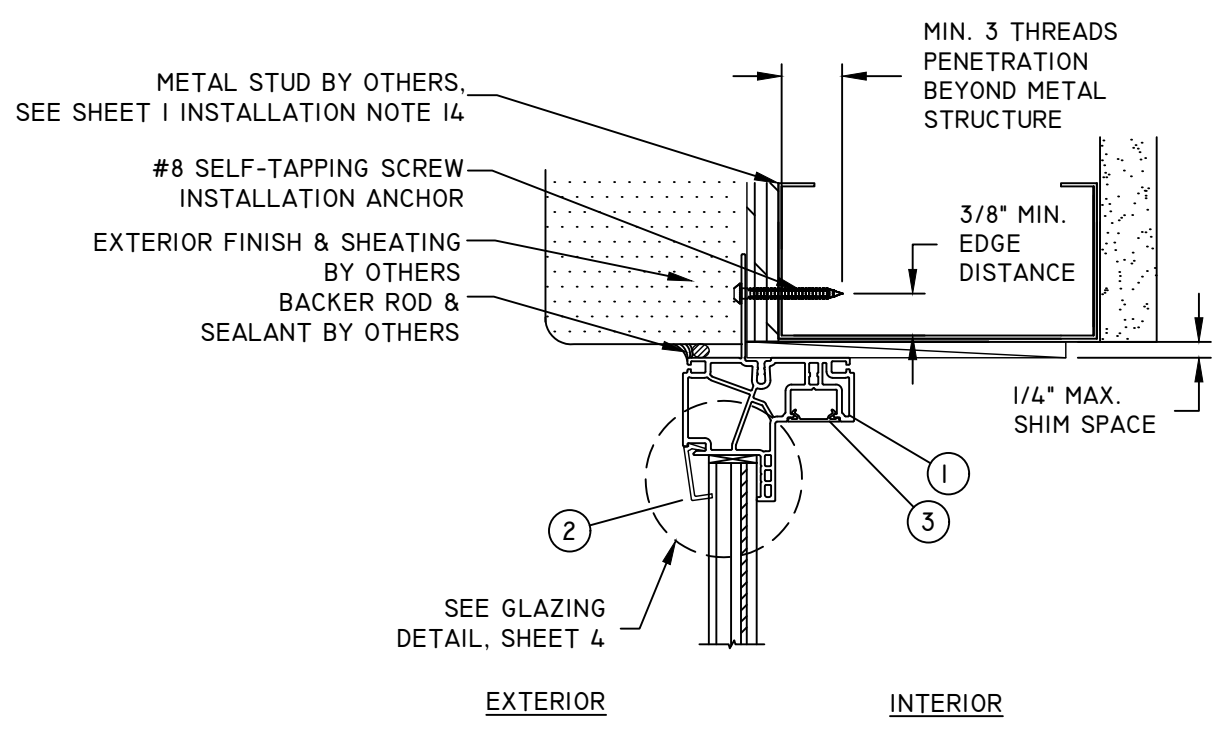
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FIN



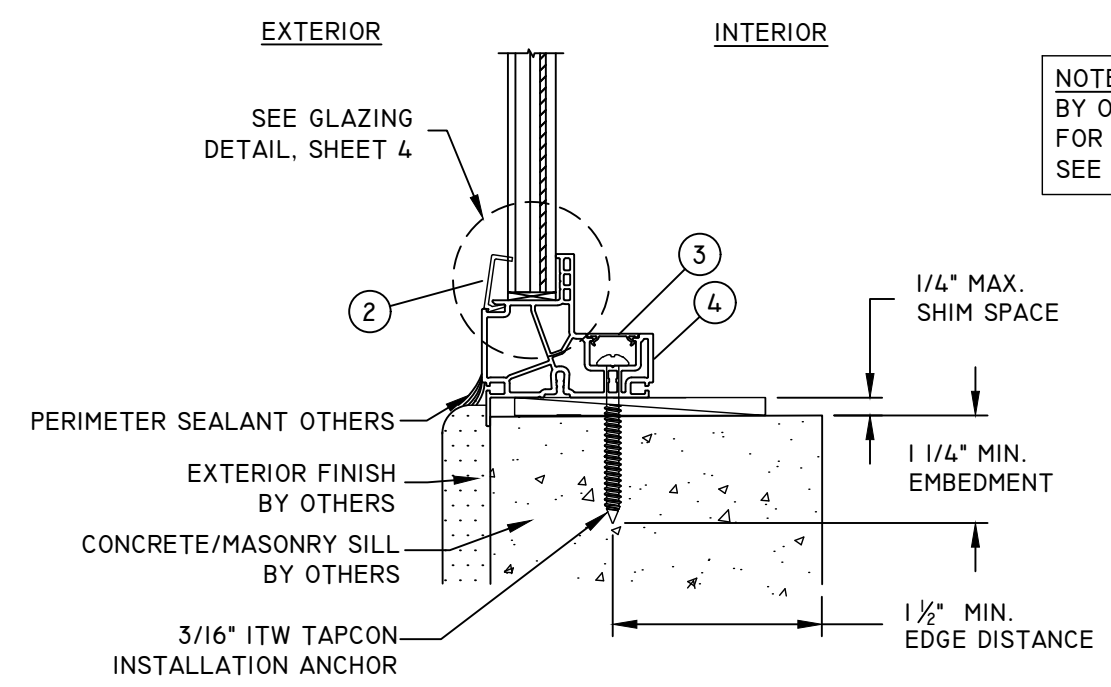
NOTE:
WINDOW WIDTH (W) AND HEIGHT (H) ARE INTERCHANGEABLE FOR ALL SIZES SHOWN HEREIN NOT TO EXCEED MAXIMUM TESTED SQUARE FOOT AREA. ANCHOR SPACING SHALL NOT EXCEED THOSE SHOWN FOR LONG OR SHORT LEG OF UNIT.



B
3 VERTICAL SECTION
HEAD - 2X WOOD BUCK
FINLESS INSTALLATION

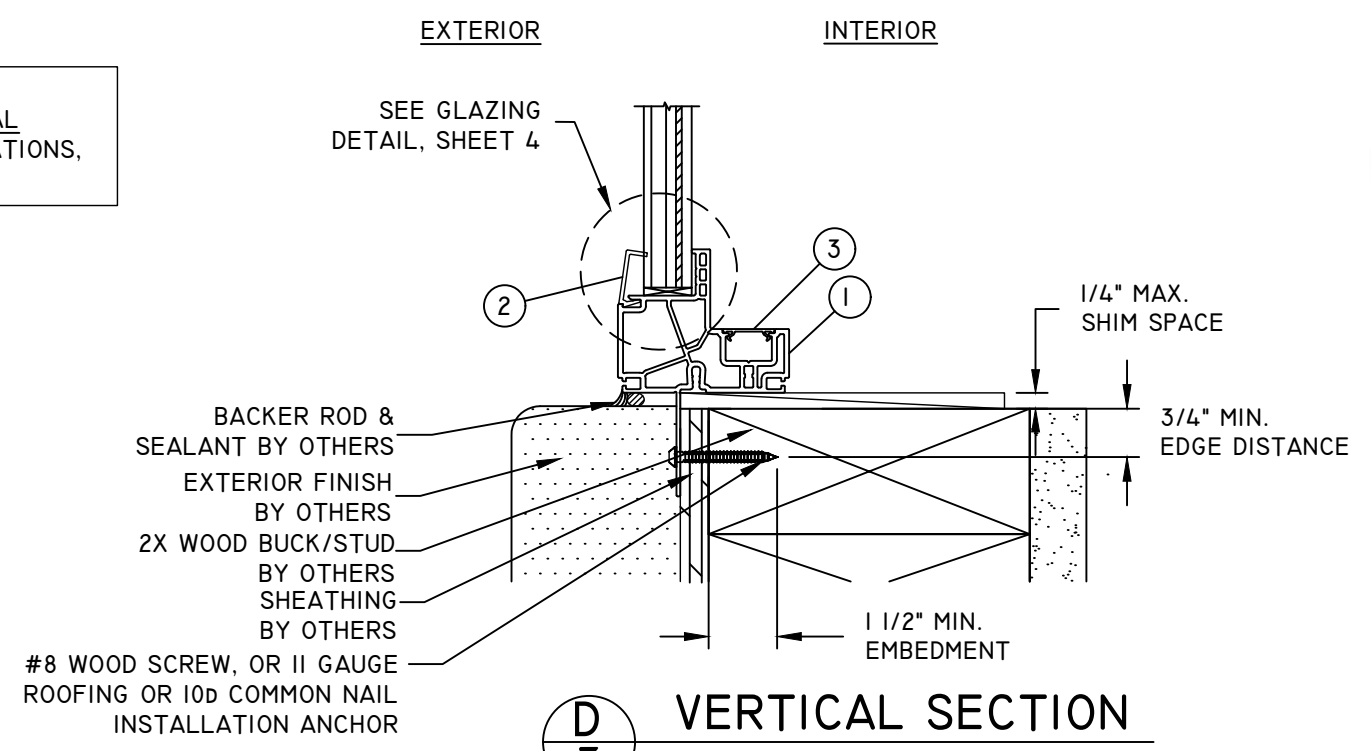


C
3 VERTICAL SECTION
HEAD-METAL STUD
FIN INSTALLATION



A
3 VERTICAL SECTION
SILL - CONCRETE/MASONRY
FINLESS INSTALLATION

NOTE: IX WOOD BUCK
BY OTHERS IS OPTIONAL
FOR MASONRY APPLICATIONS,
SEE DETAIL E/4.



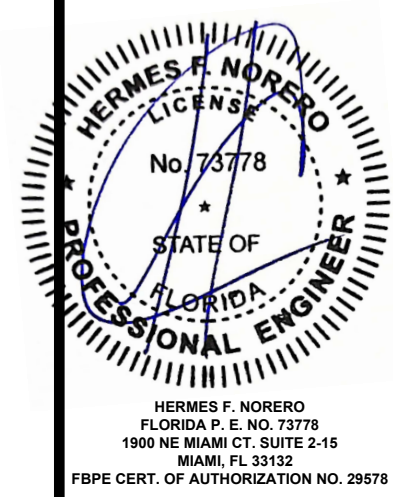
D
3 VERTICAL SECTION
SILL - 2X WOOD FRAME
FIN INSTALLATION

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TITLE: V3/70 SERIES FIXED SPECIALTY (2130) (IMPACT) (HVHZ) VERTICAL SECTIONS		DATE	BY	REVISION DESCRIPTION	NO.
		10.16.17	AR	6TH FBC EDITION	A
		12.04.20	LMH	7TH EDITION 2020 FBC	B
		12.09.23	LMH	8TH EDITION 2023 FBC	C
		01.09.25	LMH	UPDATED TO CURRENT FBC.	D

DATE:	10.16.17	DWN BY:	AR	CHK BY:	HFN	SCALE:	NTS
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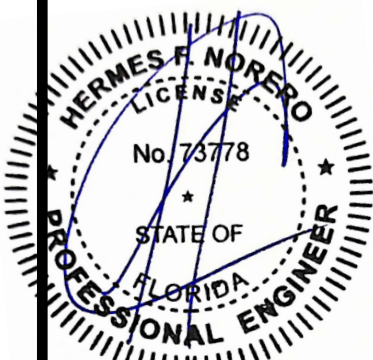
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FL#: **17767**
DWG #: **SWD042**
SHEET: **3 OF 5**

TITLE: V3/70 SERIES FIXED SPECIALTY (2130) (IMPACT) (HVHZ) HORIZONTAL SECTIONS & GLAZING OPTIONS	REVISION DESCRIPTION		DATE	
	NO.	BY	DATE	
	A	AR	10.16.17	
	B	LMH	12.04.20	
	C	LMH	12.09.23	
	D	LMH	01.09.25	

DATE: 10.16.17	DWN BY: AR	CHK BY: HFN	SCALE: NTS
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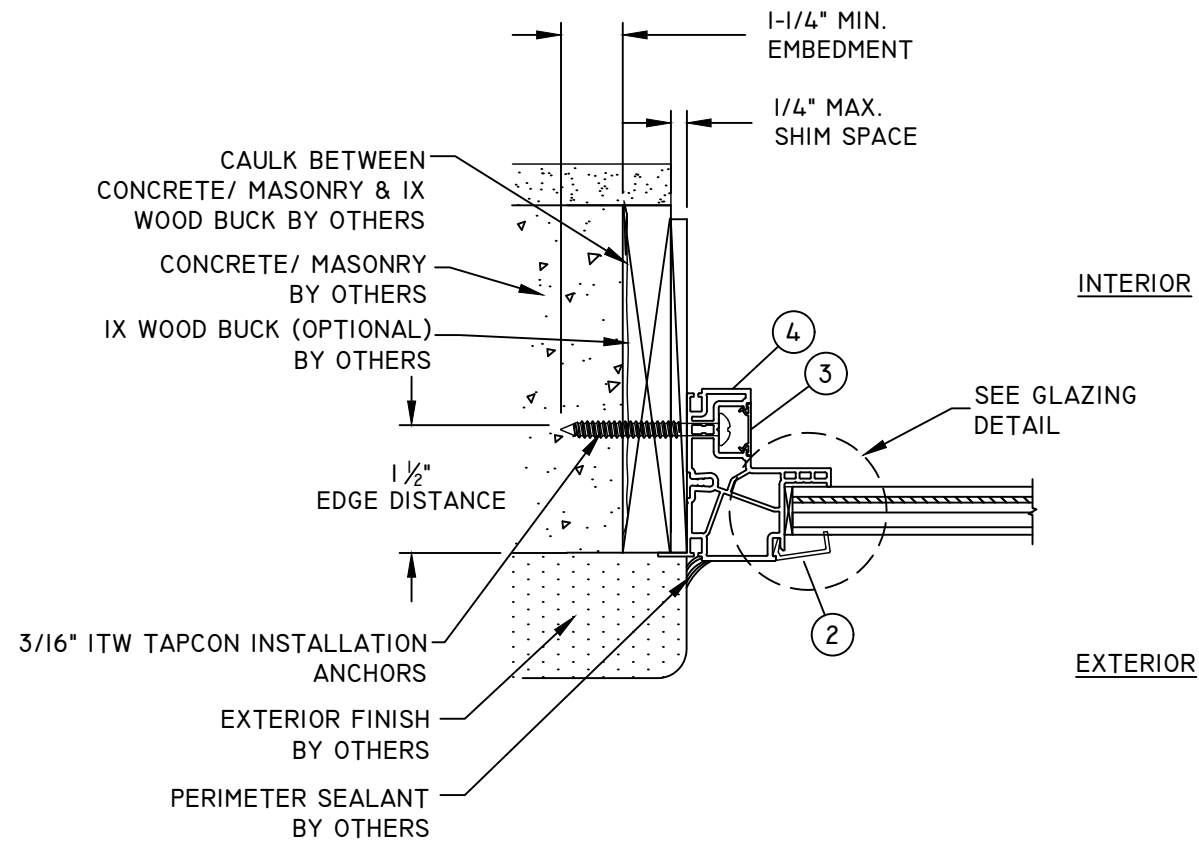
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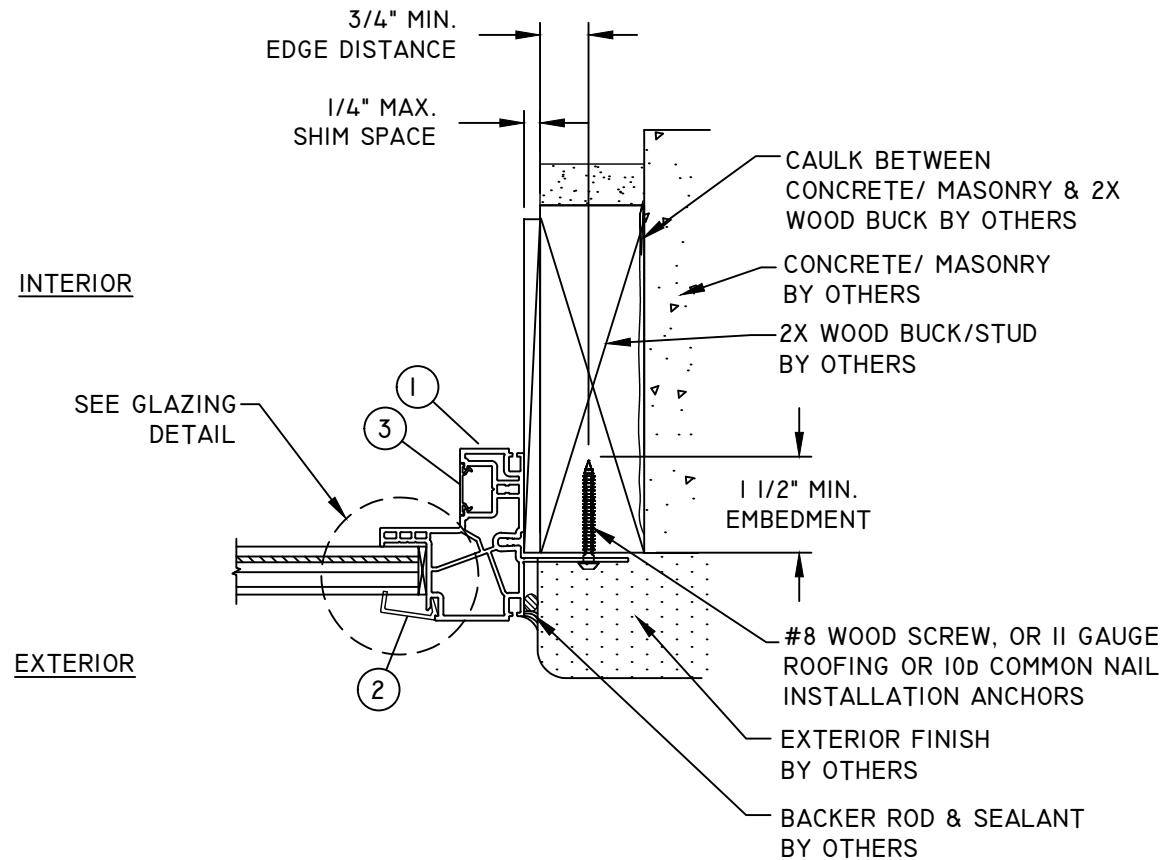
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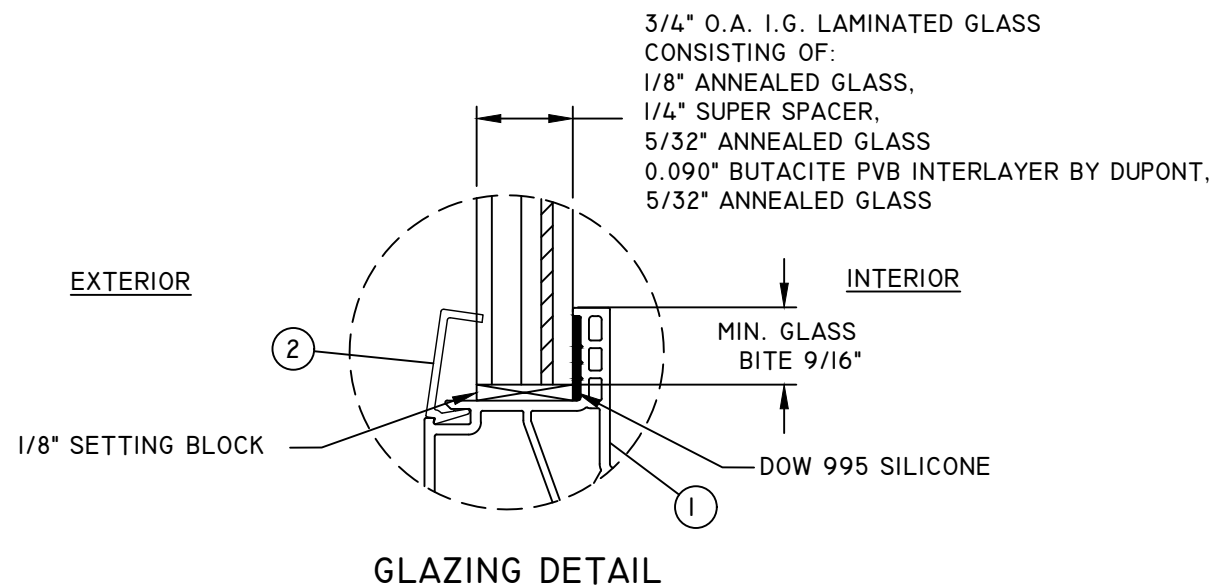
SHEET: 4 OF 5



E
4
HORIZONTAL SECTION
JAMB - CONCRETE/MASONRY
FINLESS INSTALLATION



F
4
HORIZONTAL SECTION
JAMB - WOOD BUCK
FIN INSTALLATION

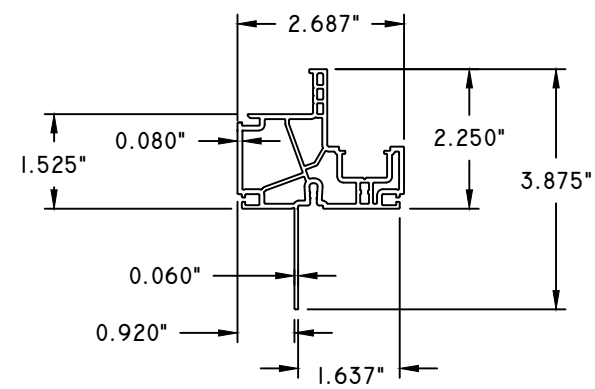


NOTE:

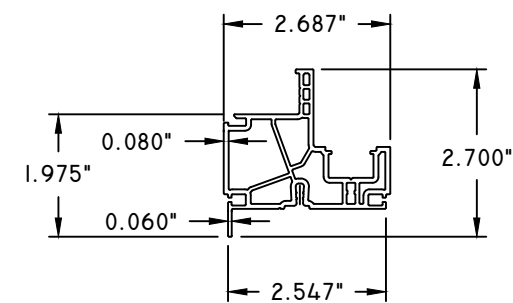
- 1) FIXED GLASS LITES GREATER THAN 36" IN WIDTH SHALL HAVE TWO APPROVED SETTING BLOCKS AS SPECIFIED IN FBC CHAPTER 24.
- 2) FOR INSTALLATION ABOVE 30 FT. ABOVE GRADE IN AREAS REQUIRING IMPACT RESISTANCE, ALL UNITS MUST BE SAFETY GLAZED OR COVERED BY AN IMPACT PROTECTIVE SYSTEM PER FBC CHAPTER 24.

BILL OF MATERIALS			
ITEM #	DESCRIPTION	MANUFACTURER	MATERIAL
1	NAIL FIN FRAME	SILVERLINE	PVC
2	GLAZING BEAD	SILVERLINE	PVC
3	ANCHOR HOLE COVER	SILVERLINE	PVC
4	FLORIDA FLANGE FRAME	SILVERLINE	PVC

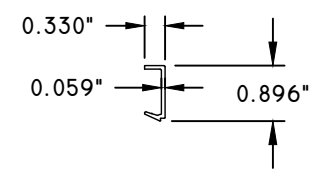
1 NAIL FIN FRAME
PVC



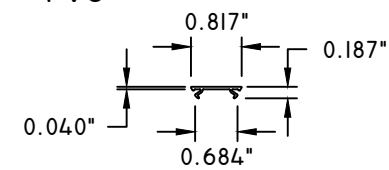
4 FLORIDA FLANGE FRAME
PVC



2 GLAZING BEAD
PVC



3 ANCHOR HOLE COVER
PVC



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BILL OF MATERIALS & COMPONENTS

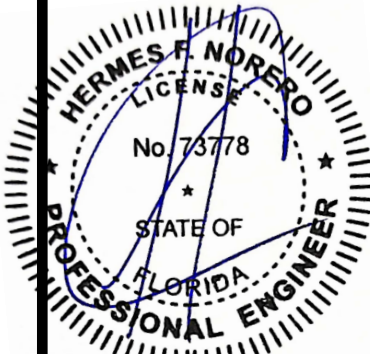
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DATE:
10.16.17

DWN BY:
AR

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SCALE:
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SHEET: 5 OF 5