

LINDSAY WINDOWS LLC

SERIES FL 643 SS HORIZONTAL SLIDING WINDOW - XO, OX

(NON-IMPACT)

FIN FRAME INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

1.

THIS PRODUCT HAS BEEN EVALUATED TO COMPLY WITH THE CURRENT PROVISIONS OF THE FLORIDA BUILDING CODE (FBC) EXCLUDING THE HIGH VELOCITY HURRICANE ZONES (HVHZ) AND IS BASED ON TESTING CONDUCTED TO AAMA/WDMA/CSA 101/I.S.2/A440-11 DOCUMENTED IN INTERTEK TEST REPORT NO. J1943.01/.02-501-47.
2.

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.
3.

1X BUCK OVER MASONRY AND/OR CONCRETE IS OPTIONAL. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
4.

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF THE INSTALLATION METHODS DEVIATE FROM THESE APPROVED DETAILS THIS WOULD REQUIRE FURTHER INVESTIGATION BY A LICENSED OR REGISTERED DESIGN PROFESSIONAL.
5.

IN AREAS WHERE WINDBORNE DEBRIS PROTECTION REQUIREMENTS EXIST, USE OF AN IMPACT PROTECTIVE SYSTEM COMPLYING WITH THE FBC REQUIREMENTS FOR WINDBORNE DEBRIS REGIONS SHALL BE REQUIRED:
6.

MATERIALS:
- 6.1.

FRAME: RIGID VINYL
7.

GLAZING:
- 7.1.

GLASS MEETS THE REQUIREMENTS OF ASTM E1300-09a.
- 7.2.

SEE GLAZING DETAILS ON SHEET 5.
- 7.3.

GLASS SHALL MEET SAFETY GLAZING REQUIREMENTS PER CURRENT EDITION OF THE FLORIDA BUILDING CODE AS REQUIRED.
8.

PANEL OPERABILITY DESIGNATIONS:
- 8.1.

X = OPERABLE
- 8.2.

O = FIXED
9.

IN ACCORDANCE WITH AAMA/WDMA/CSA 101/I.S.2/A440-11, SECTION 4.4.2.5, PRODUCTION SIZES OF IDENTICAL CONSTRUCTION EQUAL TO OR SMALLER THAN THE SIZE TESTED IN BOTH WIDTH AND HEIGHT ARE ENVELOPED BY THE MAXIMUM SIZES TESTED AND INCLUDED IN THIS PRODUCT EVALUATION DOCUMENT. FOR A HORIZONTAL SLIDING WINDOW, THIS INCLUDES THE FRAME SIZE, SASH SIZE AND DAYLIGHT OPENING SIZE.

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5	BILL OF MATERIALS & GLAZING DETAIL

ANCHOR NOTES:

1.

INSTALL ONE (1) ANCHOR AS INDICATED IN THE SECTION DETAILS ON SHEET 3 & 4 AT EACH LOCATION SHOWN IN THE ELEVATION ON SHEET 2.
- 1.1.

LOCATION TOLERANCE IS +/- 1/2".
2.

SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH A LOAD BEARING SHIM AS FOLLOWS.
- 2.1.

SHIM WHERE GAPS OF 1/16" OR GREATER OCCUR.
- 2.2.

MAXIMUM ALLOWABLE SHIM STACK TO BE 3/16".
- 2.3.

BASED ON TESTING, A MAXIMUM ALLOWABLE FRAME-TO-SUBSTRATE GAP UP TO 3/16" IS ALLOWED WITHOUT SHIMMING.
- 2.4.

SHIMMING IS RECOMMENDED FOR ALL GAP CONDITIONS FROM 1/16" TO 3/16".
3.

NAILING FIN INSTALLATION INTO 2X WOOD FRAMING SHALL USE THE FOLLOWING:
- 3.1.

NO. 8 WOOD SCREW (ANSI B18.6.1) WITH MINIMUM 1-1/4 INCH EMBEDMENT AND MINIMUM 1/4 INCH EDGE DISTANCE FROM WOOD SCREW CENTERLINE TO WOOD FRAME EDGE. MINIMUM EMBEDMENT IS MEASURED INTO STRUCTURAL SUBSTRATE.
- 3.2.

NO. 8 SHEET METAL SCREW (ASME B18.6.4) WITH MINIMUM 1-1/4 INCH EMBEDMENT AND MINIMUM 1/4 INCH EDGE DISTANCE FROM WOOD SCREW CENTERLINE TO WOOD FRAME EDGE. MINIMUM EMBEDMENT IS MEASURED INTO STRUCTURAL SUBSTRATE.
- 3.3.

INSTALLATION ANCHORS SHALL BE CORROSION RESISTANT OR HAVE CORROSION RESISTANT COATING.
4.

INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
- 4.1.

WOOD - MINIMUM SPECIFIC GRAVITY OF 0.42

PERFORMANCE RATING			
FRAME TYPE	MAXIMUM WINDOW SIZE (IN)	DESIGN PRESSURE RATING (PSF)	IMPACT RATING
NAILING FIN	72 X 48	40	NONE

PROJECT NO. ACE-2020-105				
			UPDATE TO CURRENT EDITION OF FBC	RJA
			A	12/22/20
			REV	DATE
				BY

LINDSAY WINDOWS LLC
1995 COMMERCE DRIVE
NORTH MANKATO, MN 56003

TITLE: SERIES FL 643 SS HORIZONTAL SLIDING WINDOW - XO, OX (NI)
INSTALLATION AND GENERAL NOTES

DRAWN BY: RJA

DATE: 5/1/19

SCALE: N.T.S.

REV: A

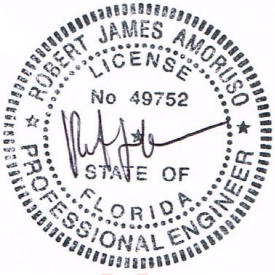
DRAWING NO: 643.095SS

SHEET: 1 OF 5

PH: 507-625-4278
FAX: 507-625-7211



Robert J. Amoruso, P.E.
Florida P.E. No. 49752

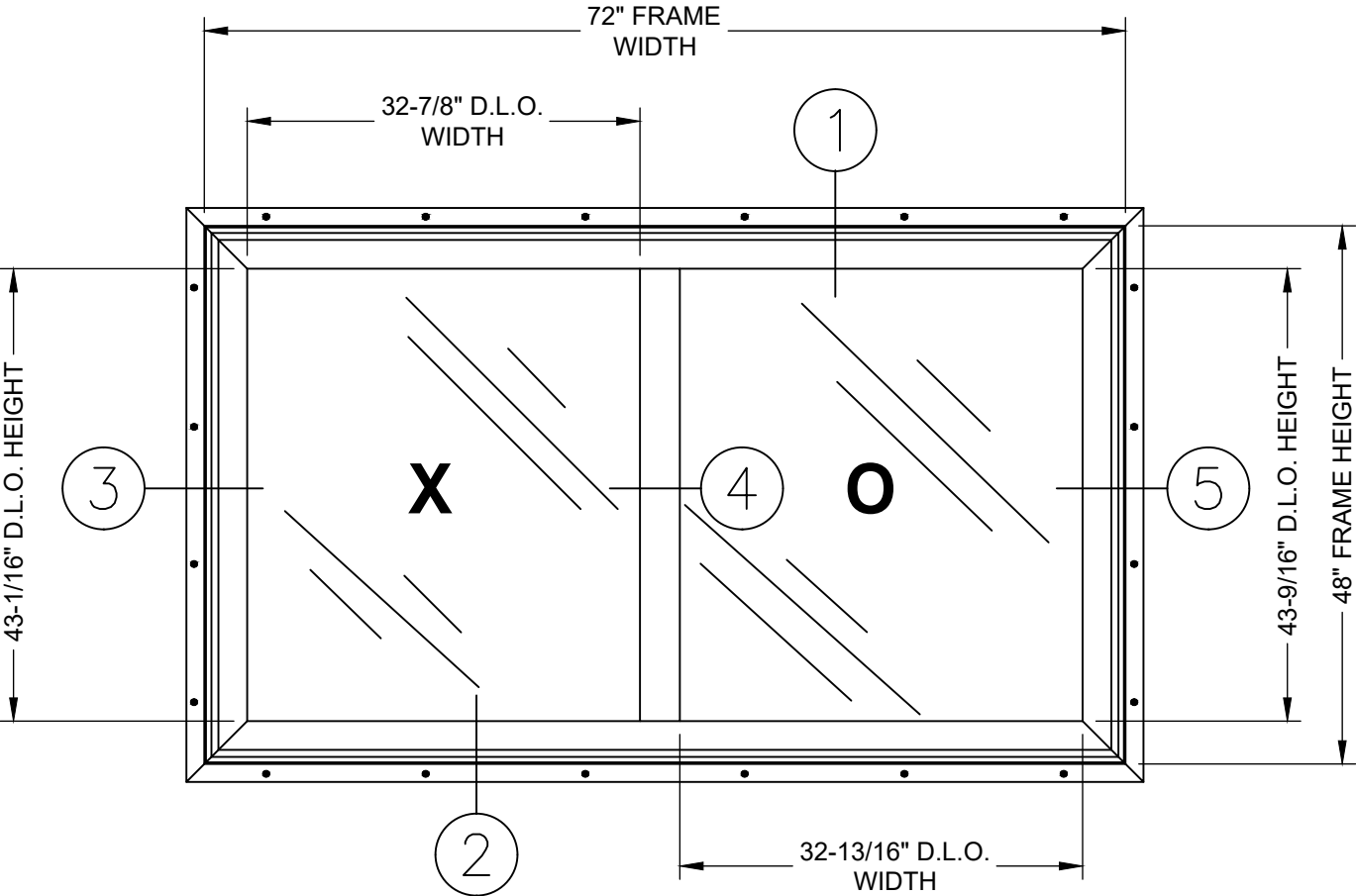


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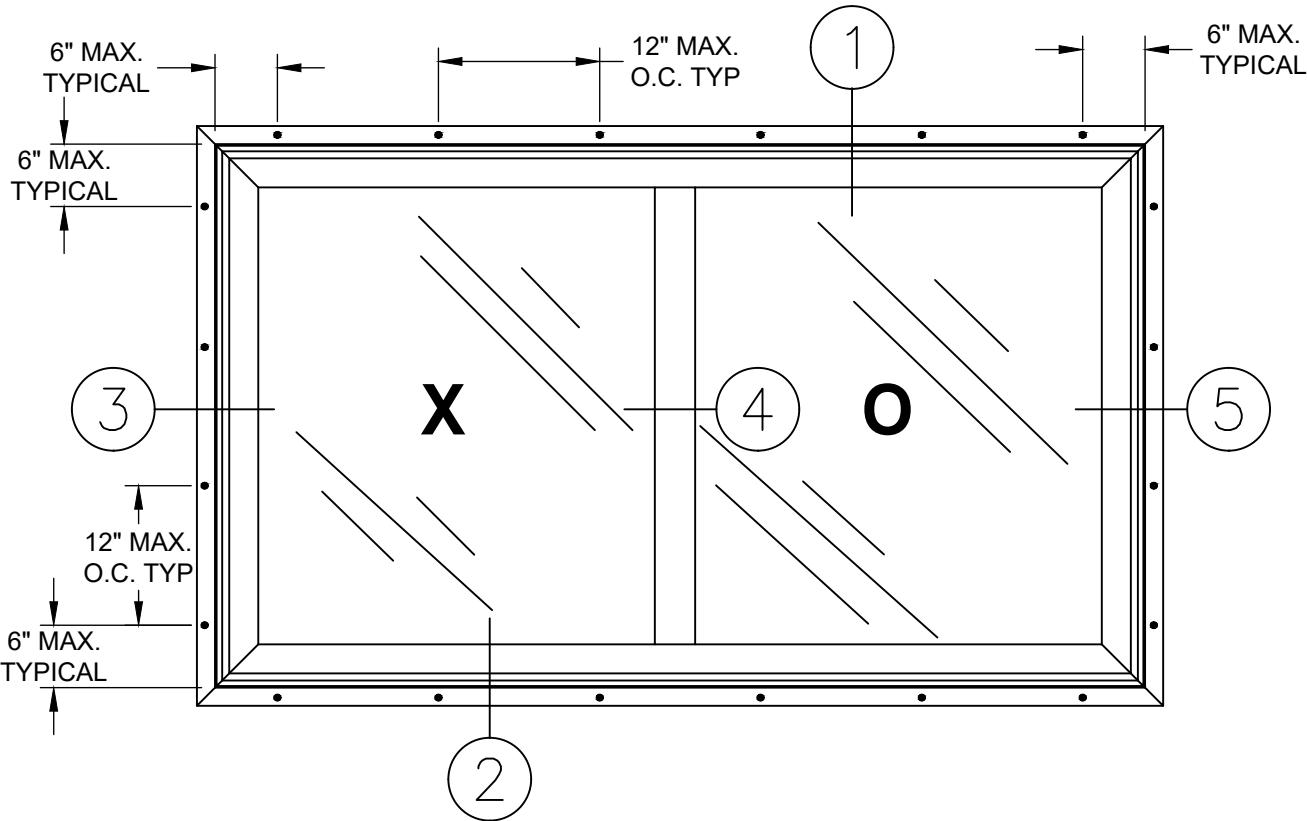
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734 S Center St.
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SERIES FL 643 SS HORIZONTAL SLIDING WINDOW
ELEVATION VIEW AND ANCHORAGE LAYOUT
NAILING FIN FRAME INSTALLATION INTO 2X WOOD FRAMING



ELEVATION
NAILING FIN FRAME



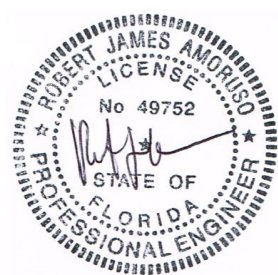
ANCHOR LAYOUT
NAILING FIN TYPE
FRAME INSTALLATION
WOOD SUBSTRATE

FL 643 SS PRODUCT DIMENSIONS		
DAYLIGHT OPENING (D.L.O.)		
COMPONENT	WIDTH (IN)	HEIGHT (IN)
SASH	32 7/8	43 1/16
FIXED	32 13/16	43 9/16
SASH SIZE		
SASH SIZE	WIDTH (IN)	HEIGHT (IN)
	35 3/8	45 9/16
FRAME SIZE		
FRAME SIZE	WIDTH (IN)	HEIGHT (IN)
	72	48

PROJECT NO. ACE-2020-105					
				UPDATE TO CURRENT EDITION OF FBC	12/22/20
				REVISION	DATE
				REV	BY

LINDSAY WINDOWS LLC 1995 COMMERCE DRIVE NORTH MANKATO, MN 56003		DRAWN BY: RJA		DATE: 5/1/19
		SCALE: N.T.S.		DRAWING NO: 643.095SS
		REV: A		SHEET: 2 OF 5
		TITLE: SERIES FL 643 SS HORIZONTAL SLIDING WINDOW - XO, OX (N) ELEVATIONS - ANCHORAGE LAYOUT		
PH: 507-625-4278 FAX: 507-625-7211				

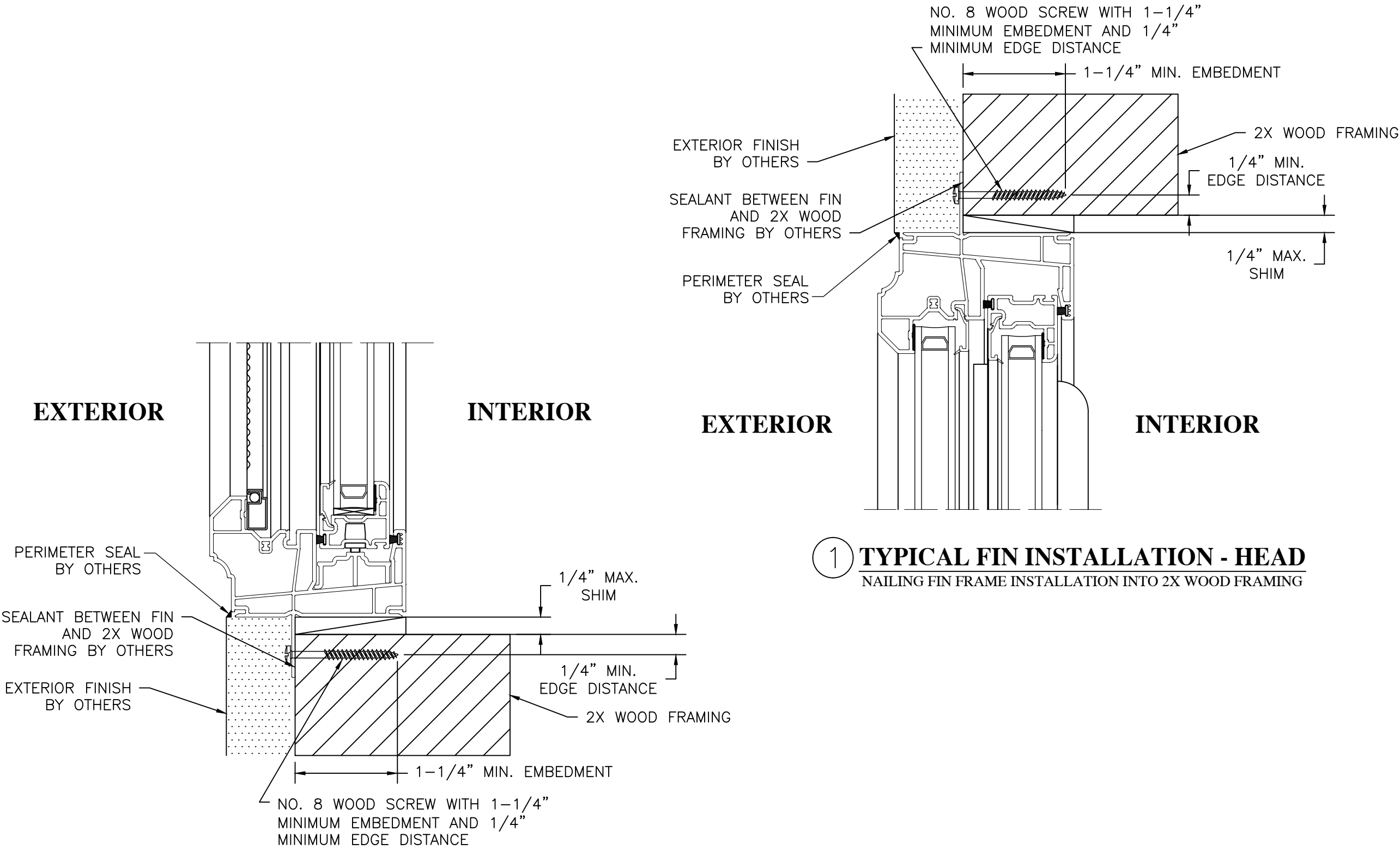
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SERIES FL 643 SS HORIZONTAL SLIDING WINDOW
VERTICAL SECTION VIEWS
NAILING FIN FRAME INSTALLATION INTO 2X WOOD FRAMING



1 **TYPICAL FIN INSTALLATION - HEAD**
NAILING FIN FRAME INSTALLATION INTO 2X WOOD FRAMING

2 **TYPICAL FIN INSTALLATION - SILL**
NAILING FIN FRAME INSTALLATION INTO 2X WOOD FRAMING

PROJECT NO. ACE-2020-105					
			UPDATE TO CURRENT EDITION OF FBC	12/22/20	RJA
				A	REV
			DESCRIPTION	DATE	BY

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1995 COMMERCE DRIVE
NORTH MANKATO, MN 56003

TITLE: SERIES FL 643 SS HORIZONTAL SLIDING WINDOW - XO, OX (NI)
VERTICAL SECTIONS - ANCHORAGE INSTALLATION DETAILS

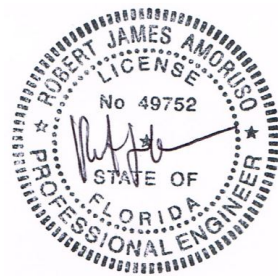
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SHEET: 3 OF 5

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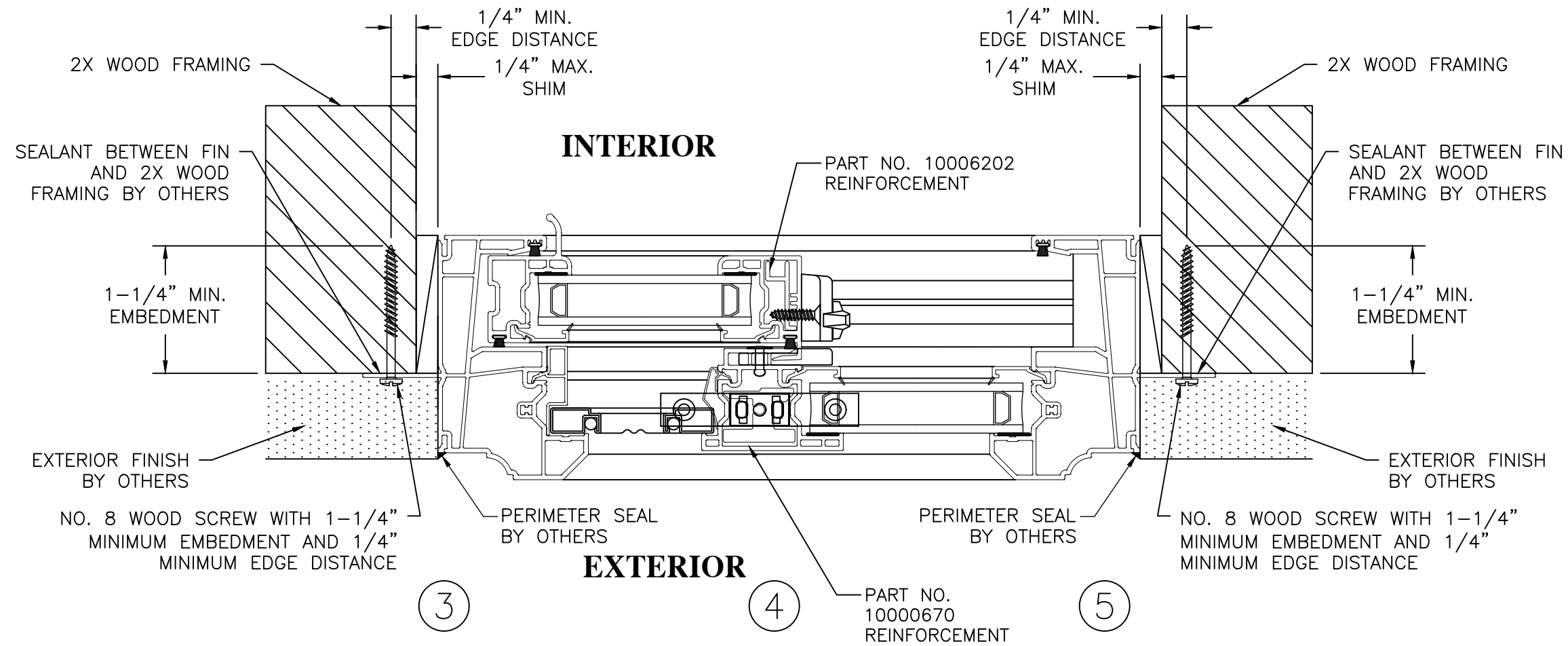
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SERIES FL 643 SS HORIZONTAL SLIDING WINDOW
HORIZONTAL SECTION VIEWS
NAILING FIN FRAME INSTALLATION INTO 2X WOOD FRAMING



TYPICAL FIN INSTALLATION - JAMBS
NAILING FIN FRAME INSTALLATION INTO 2X WOOD FRAMING

PROJECT NO. ACE-2020-105		DATE		BY
		12/22/20		RJA
UPDATE TO CURRENT EDITION OF FBC		A		REV
DESCRIPTION		4 OF 5		

LINDSAY WINDOWS LLC
1995 COMMERCE DRIVE
NORTH MANKATO, MN 56003

TITLE: SERIES FL 643 SS HORIZONTAL SLIDING WINDOW - XO, OX (NI)
HORIZONTAL SECTIONS - ANCHORAGE INSTALLATION DETAILS

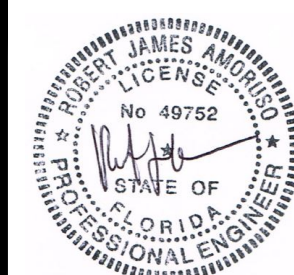
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DRAWING NO: 643.095SS
SHEET: 4 OF 5

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SERIES FL 643 SS, FRAME - BILL OF MATERIALS					
ITEM NO.	MAT. TYPE	DESCRIPTION	QUANTITY	PART NO.	FAB DWG. NO
1	VINYL	HEAD	1	10008702	10008702-F-07
2	VINYL	JAMB	2	10008702	10008702-F-03
3	VINYL	SILL	1	10008702	10008702-F-08
4	VINYL	SLIDER TRACK INSERT	1	10008466	STRAIGHT CUT
5	VINYL	HORIZONTAL GLAZING BEAD	2	10008127 / 10005470 (optional)	STRAIGHT OR 45
6	VINYL	VERTICAL GLAZING BEAD	2	10008127 / 10005470 (optional)	STRAIGHT OR 45
7	VINYL	MEETING RAIL	1	10008511	10008511-F-18
8					
9		WEATHER STRIPPING - SILL	AS REQ'D	.187W X .270HT or .187W X .290HT	
10	VINYL	SCREEN RETAINER - FRAME	1	10005257	STRAIGHT CUT
11	VINYL	SCREEN RETAINER - MTG RAIL	1	10005258 / 10005259	STRAIGHT CUT
12		MEETING RAIL REINFORCEMENT	1	10000670	STRAIGHT CUT
13		MEETING RAIL ANCHOR	2	L-121	
14		MEETING RAIL GASKET	2	15314-00233	
15					
16		3/4" INSULATED GLASS		SEE SHEET 5 GLAZING DETAIL	
17		SETTING BLOCKS (REFER TO IG SUPPLIER GUIDELINES)		SEE SHEET 5 GLAZING DETAIL	
18		GLAZING COMPOUND		SEE SHEET 5 GLAZING DETAIL	
19					
20					
21		WEEP COVER	2	97-03	
22		KEEPER	1 OR 2	2600 - 401	
23					
24		MEETING RAIL SCREWS (TO FRAME)	4	#8 X 1" PHILLIPS FLAT HEAD - PAINTED	
25		MEETING RAIL SCREWS (TO FRAME)	2	#8 X 2.5" PHILLIPS TRUSS HEAD - SS	
26		KEEPER SCREWS	2 OR 4	#6 W/ #5 HEAD X 3/4" PFH (PAINTED)	
27		BALANCE SCREWS	AS REQ'D	#8 X 11/16" PPH - SS	
28					
29		SCREEN ASSEMBLY	1	3/8" X 3/4"	

SERIES FL 643 SS, SASH - BILL OF MATERIALS					
ITEM NO.	MAT'L TYPE	DESCRIPTION	QUANTITY	PART NO.	FAB DWG. NO
41	VINYL	TOP RAIL	1	10008842	10008842-F-13
42	VINYL	LOCK RAIL	1	10008845	10008845-F-14
43	VINYL	PULL STILE	1	10008840	10008840-F-09
44	VINYL	BOTTOM RAIL (Ashland Roller)	1	10008842	10008842-F-14
45					
46					
47	VINYL	GLAZING BEAD	4	10008127	STRAIGHT CUT
48	VINYL	OPTIONAL GLAZING BEAD	4	10005470	STRAIGHT CUT
49					
50		3/4" INSULATED GLASS	1	SEE SHEET 5 GLAZING DETAIL	
51		GLAZING COMPOUND	AS REQ'D	SEE SHEET 5 GLAZING DETAIL	
52		SETTING BLOCKS (REFER TO IG SUPPLIER GUIDELINES)	AS REQ'D	SEE SHEET 5 GLAZING DETAIL	
53					
54		CENTER FIN WEATHERSTRIPPING	AS REQ'D	.290 HT. x .187 BK.	
55	ALUMINUM	SASH REINFORCEMENT (LOCK STILE ONLY)	AS REQ'D	10006202	STRAIGHT CUT
56					
57		SASH ROLLER	2 OR 4	79529	
58		LOCK /CAM	2 OR 4	2602 / 2802 (FER)	
59					
60		SCREW FOR LOCK ASSEMBLY	4 OR 8	#8 x 3/4 PAINTED PFH	



INTERIOR

3/4" O.A. IGU

GLAZING METHOD

PROJECT NO. ACE-2020-105					
A	UPDATE TO CURRENT EDITION OF FBC	12/22/20	RJA	DATE	BY
REV	DESCRIPTION				

LINDSAY WINDOWS LLC
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NORTH MANKATO, MN 56003

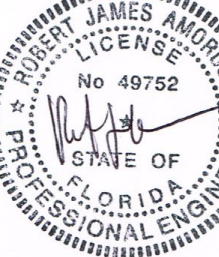
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BILL OF MATERIALS AND GLAZING DETAILS

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REV: A	SHEET: 5 OF 5



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