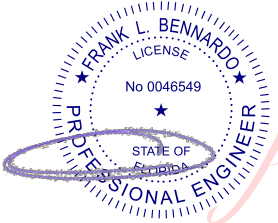


SUNROOM ALUMINUM SINGLE OUT-SWING DOORS

-FOR USE IN NON-HABITABLE SUNROOMS ONLY AS DESCRIBED IN AAMA/NPEA/NSA 2100.
-FOR USE AS A CATEGORY IV SUNROOM IF SYSTEM MEETS THERMAL PERFORMANCE AS DESCRIBED
IN SECTION 7 IN AAMA/NPEA/NSA 2100.

FRANK BENNARDO, PE
PE# 0046549 CA# 9885



Digitally signed by
Frank Bennardo
Date: 2026.08.18
19:17:51 -04'00'

NOTE REGARDING USE OF THIS DOCUMENT & USE OUTSIDE FLORIDA:
NON-SITE-SPECIFIC STRUCTURAL PERFORMANCE EVALUATION. THIS PRODUCT EVALUATION IS VALID FOR USE IN **FLORIDA ONLY**. USE IN FLORIDA OR ANY OTHER STATE SHALL REQUIRE A REVIEW & CERTIFICATION BY A REGISTERED DESIGN PROFESSIONAL LICENSED IN THAT STATE, WHO SHALL BE RESPONSIBLE FOR THE CONTENT & PROPER ADAPTATION OF THIS GENERAL PERFORMANCE EVALUATION TO ANY SITE-SPECIFIC PROJECT. CONTACT THIS OFFICE FOR ASSISTANCE WITH YOUR PROJECT NEEDS.

ENGINEER SIGNATURE & SEAL NOTICE:
*PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED & SEALED. SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.
*FOR FLORIDA STATEWIDE PRODUCT APPROVALS (FSAs) REGISTERED & APPROVED WITH THE STATE OF FLORIDA: ORIGINAL, SEALED COPIES OF APPROVED FLORIDA PRODUCT APPROVALS ARE NOT REQUIRED FOR PERMIT. SEE [ECALC.IO/SEAL](https://www.ecalc.io/seal) TO LEARN MORE.

(NON IMPACT APPROVED)
MAXIMUM ALLOWABLE DESIGN PRESSURES (A.S.D.):

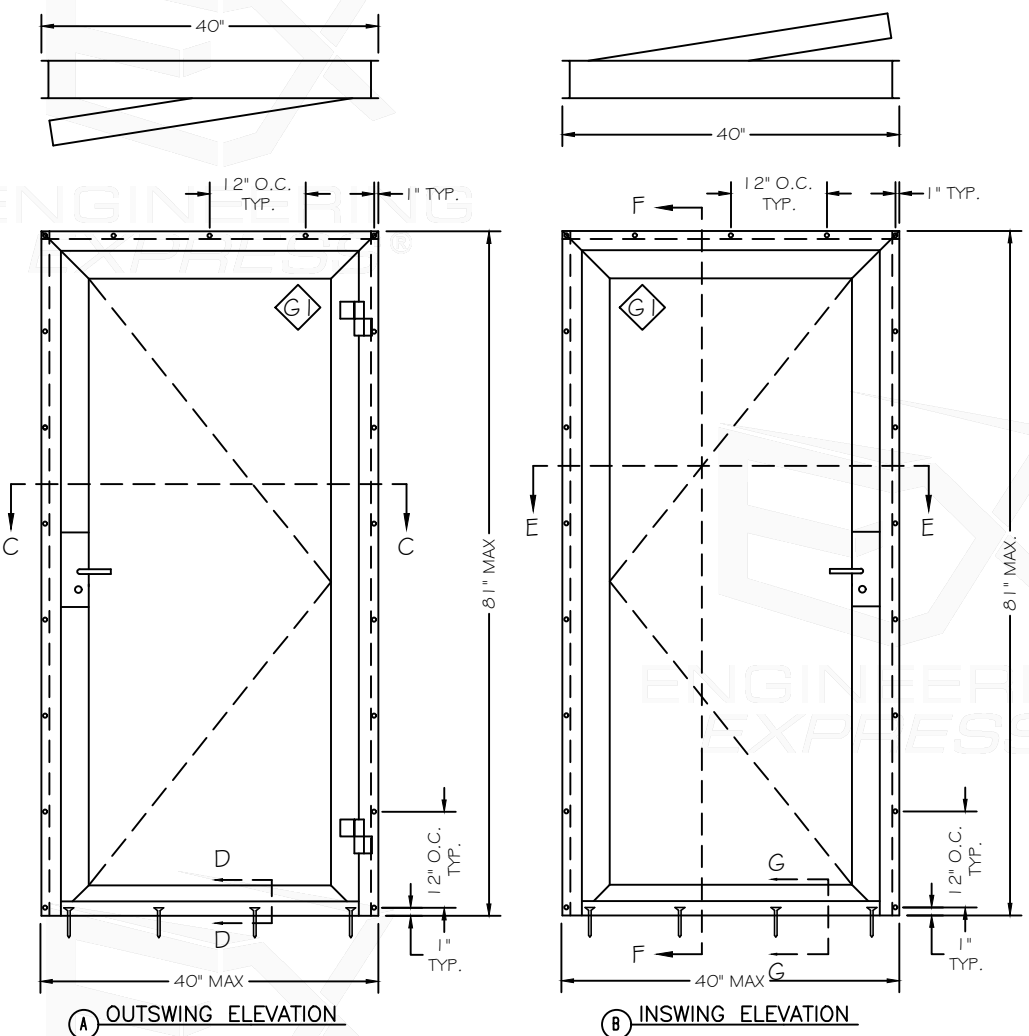
OUTSWING:	INSWING:
+ 50 PSF	+ 40 PSF
- 50 PSF	- 40 PSF

DESIGN NOTES:

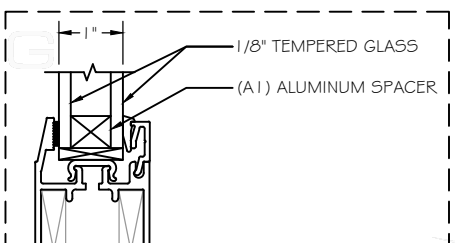
1. POSITIVE AND NEGATIVE DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED BY OTHERS ON A JOB-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING CODE. SITE-SPECIFIC PRESSURE REQUIREMENTS AS DETERMINED IN ACCORDANCE WITH ASCE 7-22 AND CHAPTER 1609 OF THE FLORIDA BUILDING CODE 9TH EDITION (2026) SHALL BE LESS THAN OR EQUAL TO THE POSITIVE OR NEGATIVE DESIGN PRESSURE CAPACITY VALUES LISTED HEREIN FOR ANY ASSEMBLY AS SHOWN.
2. FOR USE IN SUNROOMS, SYSTEM TO BE USED AS AN AAMA 2100 CATEGORY I-IV ONLY & AS PER FBC 2002.6
3. THE HOST STRUCTURE IS NOT TO BE MODIFIED WITH THE ADDITION OF THIS UNIT.

GENERAL NOTES:

1. THIS SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 9TH EDITION (2026) PER AAMA/WDMA/CSA 101/I.S.2/A440-05 FOR USE OUTSIDE THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
2. DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR.
3. THE ARCHITECT/ENGINEER OF RECORD FOR THE PROJECT SUPERSTRUCTURE WITH WHICH THIS DESIGN IS USED SHALL BE RESPONSIBLE FOR THE INTEGRITY OF ALL SUPPORTING SURFACES TO THIS DESIGN WHICH SHALL BE COORDINATED BY THE PERMITTING CONTRACTOR.
4. THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
5. ALL ALUMINUM EXTRUSION SHALL BE EQUIVALENT TO OR GREATER THAN THE MINIMUM ALLOYS AND TEMPERAS AS SPECIFIED HEREIN.
6. THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
7. FOR PERMANENT OUTDOOR INSTALLATIONS, ALL EXPOSED ANCHORS, FASTENERS, CONNECTORS, AND METAL PLATES SHALL BE CORROSION RESISTANT. CORROSION RESISTANCE MAY BE PROVIDED BY INHERENT MATERIAL COMPOSITION OR, WHERE PERMITTED BY CODE, BY AN APPROVED PROTECTIVE COATING OR GALVANIZATION. WHERE APPLICABLE NEAR A SALTWATER COASTLINE, SUCH COMPONENTS SHALL COMPLY WITH FBC SECTION 1711, INCLUDING APPLICABLE REQUIREMENTS FOR EXPOSED, PROTECTED, OR ENCLOSED CONDITIONS. MATERIALS, COATINGS, AND FINISHES SHALL BE COMPATIBLE WITH CONNECTED MATERIALS, AND PROTECTIVE COATINGS SHALL BE CONTINUOUS OVER EXPOSED SURFACES. FASTENERS USED WITH ALUMINUM MEMBERS SHALL ALSO COMPLY WITH SECTION J.3.7.2 OF THE ALUMINUM DESIGN MANUAL, "SPECIFICATION FOR ALUMINUM STRUCTURES." SUBSTITUTION OF COMPONENTS FROM ALTERNATE MANUFACTURERS, OR WITH DIFFERENT MATERIALS, COATINGS, OR FINISHES, SHALL NOT BE ASSUMED EQUIVALENT AND MAY REQUIRE ADDITIONAL ENGINEERING REVIEW OR SITE-SPECIFIC ANALYSIS.
8. ENGINEER SEAL AFFIXED HERE TO VALIDATES STRUCTURAL DESIGN AS SHOWN ONLY. USE OF THIS SPECIFICATION BY CONTRACTOR, et. al. INDEMNIFIES & SAVES HARMLESS THIS ENGINEER FOR ALL COST & DAMAGES INCLUDING LEGAL FEES & APPELLATE FEES RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, & CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, & FEDERAL CODES & FROM DEVIATIONS OF THIS PLAN.
9. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
10. ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.
11. PRODUCT SHALL BE PERMANENTLY LABELED WITH A MINIMUM OF ONE LABEL PER WINDOW CONTAINING THE FOLLOWING:
FOUR SEASONS SOLAR PRODUCTS
HOLBROOK, NY
AAMA/WDMA/CSA 101/I.S.2/A440-05
PRODUCT APPROVAL NUMBER
12. THE SYSTEM DETAILED HEREIN HAS BEEN TESTED PER THE TEST STANDARD(S) LISTED ABOVE AS REFERENCED IN TEST REPORT(S) #73507.02-301-44 AND 73506.02-301-44 BY ARCHITECTURAL TESTING, INC.



NOTE:
1. GLASS THICKNESS COMPLIES WITH ASTM E1300 REQUIREMENTS.
2. SETTING BLOCK SHALL COMPLY WITH 2411.3.3.1 OF THE FLORIDA BUILDING CODE SEVENTH EDITION (2020)



(G1) GLASS DETAIL
(NON IMPACT)

ALL ELEVATIONS ARE
LOOKING FROM THE OUTSIDE

OUTSWING DOOR
DESIGN PRESSURE CAPACITY
+/- 50.0 PSF A.S.D.
WATER PENETRATION PER ASTM E547: 7.5 PSF
AIR INFILTRATION PER ASTM E283

INSWING DOOR
DESIGN PRESSURE CAPACITY
+/- 40.0 PSF A.S.D.
WATER PENETRATION PER ASTM E547: 6.1 PSF
AIR INFILTRATION PER ASTM E283

NOTES:
1. THIS WINDOW IS APPROVED ONLY FOR INSTALLATION INTO SEPARATELY ENGINEERED FOUR SEASONS ALUMINUM SUNROOM. INSTALLATION INTO ANY OTHER SUBSTRATE SHALL REQUIRE A SEPARATE, SITE SPECIFIC DESIGN TO BE PREPARED BY A FL-REGISTERED PROFESSIONAL ENGINEER, AND SUBMITTED TO THE AUTHORITY HAVING JURISDICTION FOR APPROVAL.
2. ALL FASTENERS SHALL PENETRATE SHEET METAL WITH THREE FULL THREAD PITCHES.

REFER TO MFR. INFORMATION
& TEST DATA FOR MORE
INFORMATION ON EXTRUSIONS

VISIT [ECALC.IO/FOURSEASONS](https://www.ecalc.io/fourseasons)

FOR SITE-SPECIFIC DEVIATIONS
& MORE INFORMATION ABOUT THIS DOCUMENT
OR SCAN THIS QR CODE

VISIT [ENGINEERINGEXPRESS.COM/STORE](https://www.engineeringexpress.com/store)
FOR ADDITIONAL PLANS, REPORTS & RESOURCES



FL 12155.3



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FOUR SEASONS SOLAR PRODUCTS, LLC.

5005 VETERANS MEMORIAL HIGHWAY
HOLBROOK, NY 11741
PH: (631) 563-4000

SUNROOM ALUMINUM SINGLE OUT-SWING DOOR
FLORIDA BUILDING CODE NINTH EDITION (2026)
FLORIDA STATEWIDE APPROVAL (FSA FL#12155.3)

DATE	DRWN	CHKD	REMARKS
04/24/21	TAE	AJP	FBC 2020 (21-39509)
07/13/23	SQ	RS	FBC 2023 UPDATE
08/18/26	MN	RS	FBC 2026 UPDATE

26-100179C

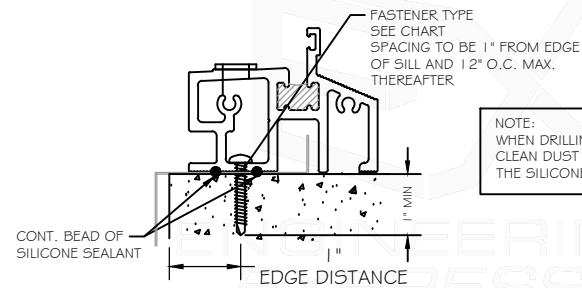
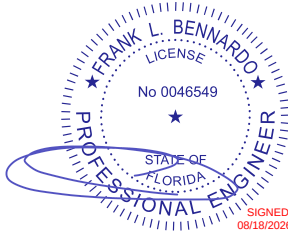
SCALE: NTS UNLESS NOTED

1 OF 02

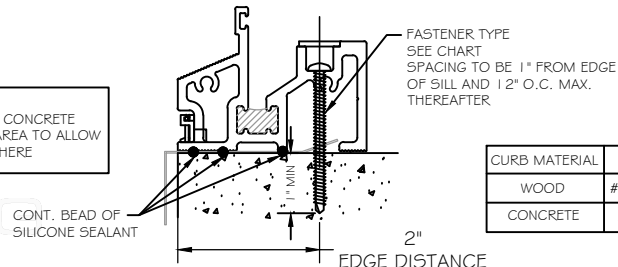
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FRANK BENNARDO, PE
PE# 0046549 CA# 9885

AUGUST 18, 2026

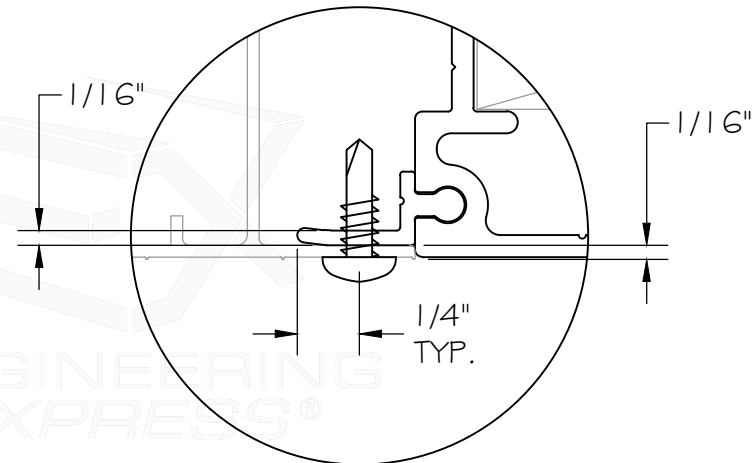


D-D OUTSWING SILL ANCHORING

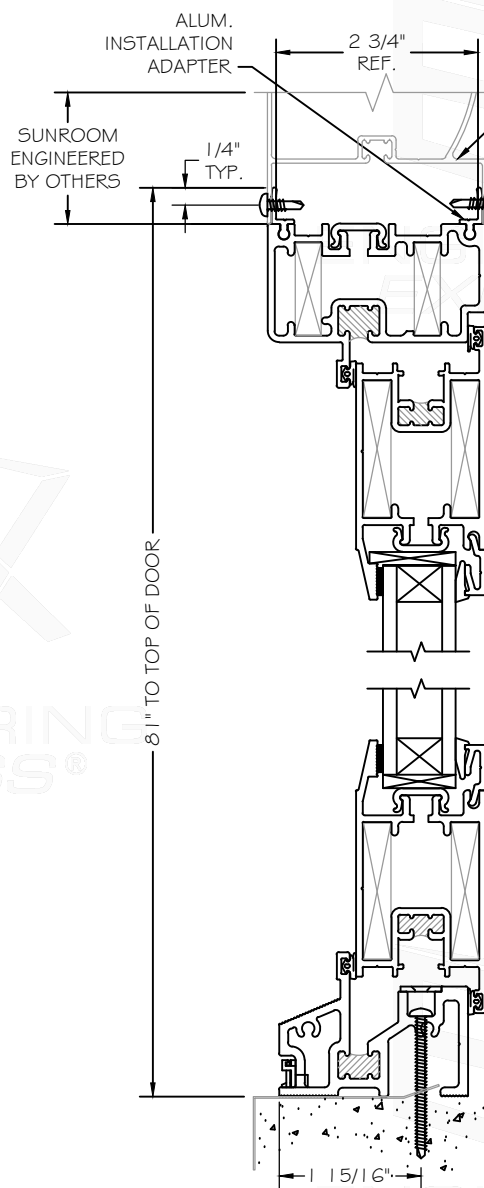


G-G INSWING SILL ANCHORING

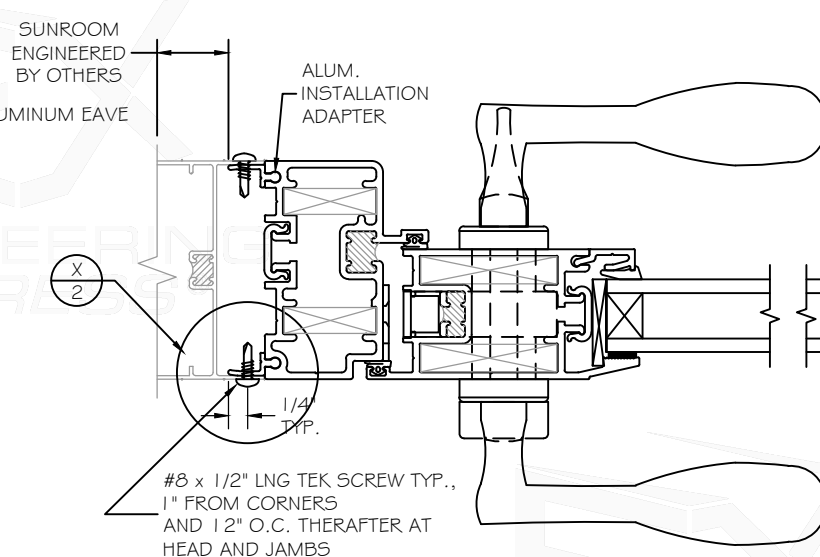
CURB MATERIAL	FASTENER TYPE
WOOD	#10 PAN HEAD WOOD SCREW
CONCRETE	3/16\" DIA. TAPCON SCREW



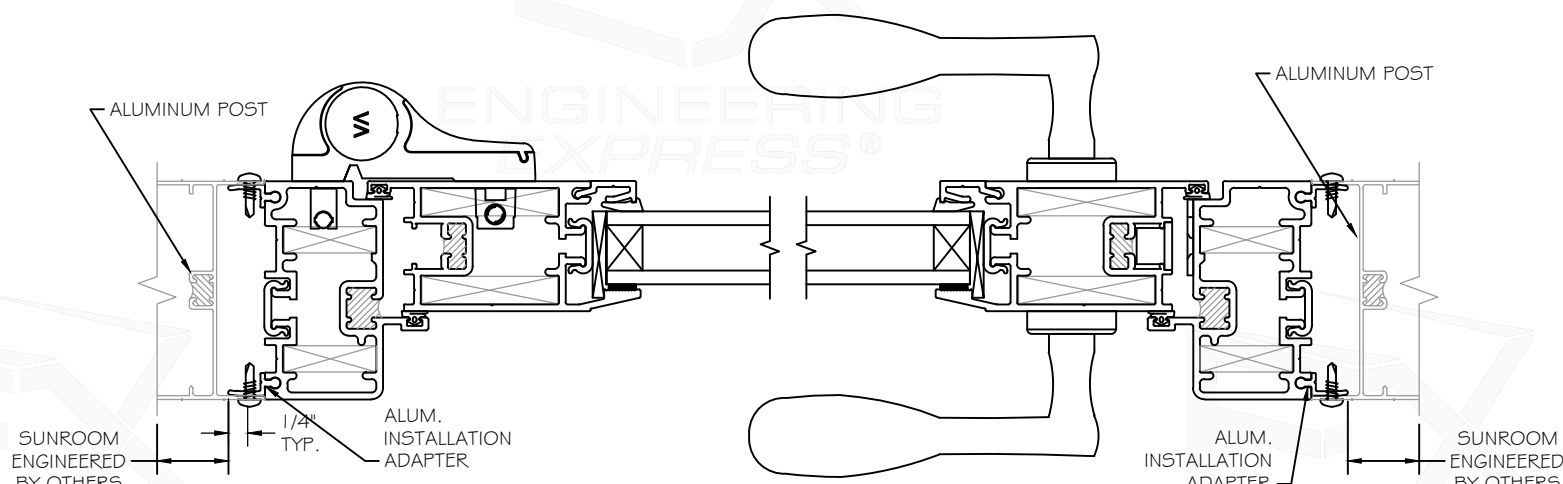
X DETAIL



F-F HORIZONTAL SECTION



C-C HORIZONTAL SECTION



E-E HORIZONTAL IN-SWING SECTION

REFER TO MFR. INFORMATION
* TEST DATA FOR MORE
INFORMATION ON EXTRUSIONS

FL 12155.3

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5005 VETERANS MEMORIAL HIGHWAY

HOLBROOK, NY 11741

PH: (631) 563-4000

SUNROOM ALUMINUM SINGLE OUT-SWING DOOR
FLORIDA BUILDING CODE NINTH EDITION (2026)
FLORIDA STATEWIDE APPROVAL (FSA FL#12155.3)

REMARKS	DRWN	CHKD	DATE
FBC 2020 (21-39509)	TAE	AJP	04/24/21
FBC 2023 UPDATE	SQ	RS	07/13/23
FBC 2026 UPDATE	MN	RS	08/18/26

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26-100179C

SCALE: NTS UNLESS NOTED

2 OF 02