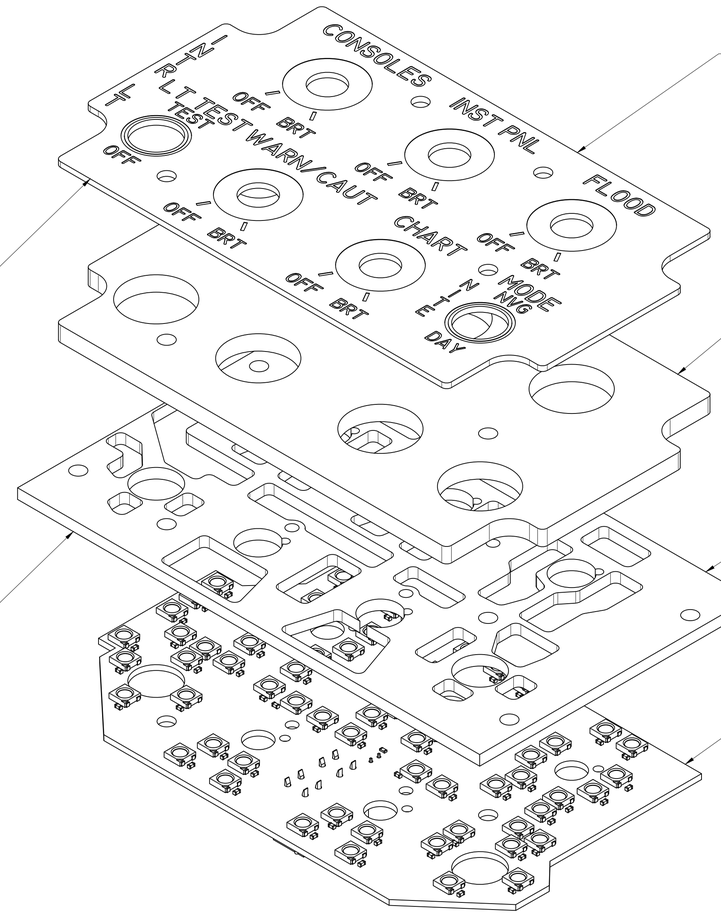
REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
-	INITIAL RELEASE	04/01/2022	



LEGEND PLATE
- LM922422, .062 THK, ROWMARK.COM (OR EQUIVALENT)
- PAINT FED-STD-595, FS37038, FLAT BLACK
- ROTARY ENGRAVE OR LASER ENGRAVE MIN .003 DEPTH SO WHITE LEGEND SHOWS WITH FULLY DEFINED & LEGIBLE TEXT AND SYMBOLS WITH NO VISIBLE DEFECTS.

BOND LEGEND PLATE TO LIGHT PLATE WITH WELD-ON #4 (OR EQUIVALENT)

PAINT EDGES AND INSIDES OF HOLES OF LEGEND/LIGHT PLATE ASSY WITH FED-STD-595, FS37038, FLAT BLACK

LIGHT PLATE
- 2447 WHITE TRANSLUCENT ACRYLIC, .1875[4.5] THK

BACKPLATE
- BLACK OPAQUE ACRYLIC, .125[3] THK
- PAINT FED-STD-595, FS37038, FLAT BLACK

DO NOT BOND BACKPLATE TO LIGHTPLATE

(TYPE A BACKLIGHTING PCB)

PANEL TYPE A
METHOD 1

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES.

DUAL DIMENSIONS ARE IN MILIMETERS AND ENCLOSED IN SQUARE BRACKETS.

INTERPRET DRAWING IAW ASME Y14.100-2017.

INTERPRET DIM AND TOL IAW ASME Y14.5-2009.

REMOVE ALL BURRS AND SHARP EDGES TO .05 MAX.

DIMENSIONS APPLY BEFORE FINISH.

UOS INCH TOLERANCES ARE:

DECIMALS:
.X ± .1
.XX ± .03
.XXX ± .010

ANGLES:
MACHINED ± .5°
LOCATING ± .5°
FORMED ± 2°
CHAMFERS ± 5°

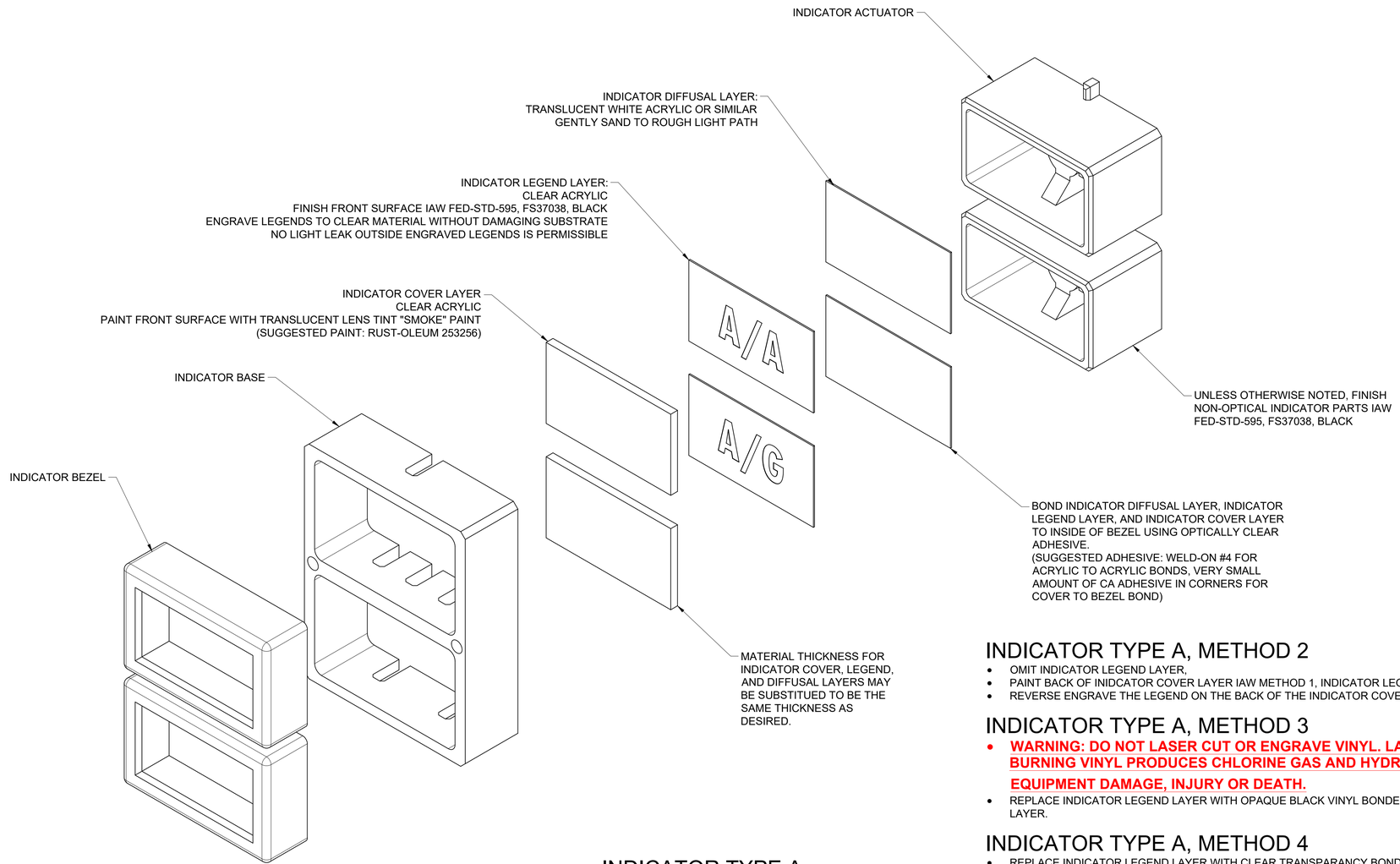
DRILLED HOLE DIAMETERS:
.0135 - .125: +.004/-.001
.126 - .250: +.005/-.001
.251 - .500: +.006/-.001
.501 - .750: +.008/-.001
.751 - 1.000: +.010/-.001
1.001 - 2.000: +.012/-.001

OPEN HORNET
https://www.OpenHornet.com

TITLE
COMPONENT FABRICATION METHODS

DESIGNED	J. STEENSEN 04/01/2023	SIZE D	DWG NO OH-SPEC-001	REV -
CHECKED			
DRAWN	J. STEENSEN 04/01/2022	SCALE N/A	SHEET 1/3

CC BY NC SA



INDICATOR TYPE A METHOD 1

METHODS 2 THRU 4 SAME AS METHOD 1 EXCEPT AS NOTED. METHODS 2 THRU 4 MAY BE SUBSTITUTED FOR METHOD 1 AS DESIRED.

INDICATOR TYPE A, METHOD 2

- OMIT INDICATOR LEGEND LAYER,
- PAINT BACK OF INIDCATOR COVER LAYER IAW METHOD 1, INDICATOR LEGEND LAYER
- REVERSE ENGRAVE THE LEGEND ON THE BACK OF THE INDICATOR COVER LAYER.

INDICATOR TYPE A, METHOD 3

- **WARNING: DO NOT LASER CUT OR ENGRAVE VINYL. LASER CUTTING OR OTHERWISE BURNING VINYL PRODUCES CHLORINE GAS AND HYDROCHLORIC ACID. IT MAY RESULT IN EQUIPMENT DAMAGE, INJURY OR DEATH.**
- REPLACE INDICATOR LEGEND LAYER WITH OPAQUE BLACK VINYL BONDED TO EITHER DIFFUSAL LAYER OR BACK OF COVER LAYER.

INDICATOR TYPE A, METHOD 4

- REPLACE INDICATOR LEGEND LAYER WITH CLEAR TRANSPARANCY BONDED TO EITHER DIFFUSAL LAYER OR BACK OF COVER LAYER. TRANSPARANCY SHOULD BE PRINTED OPAQUE BLACK WITH CLEAR LETTERS.

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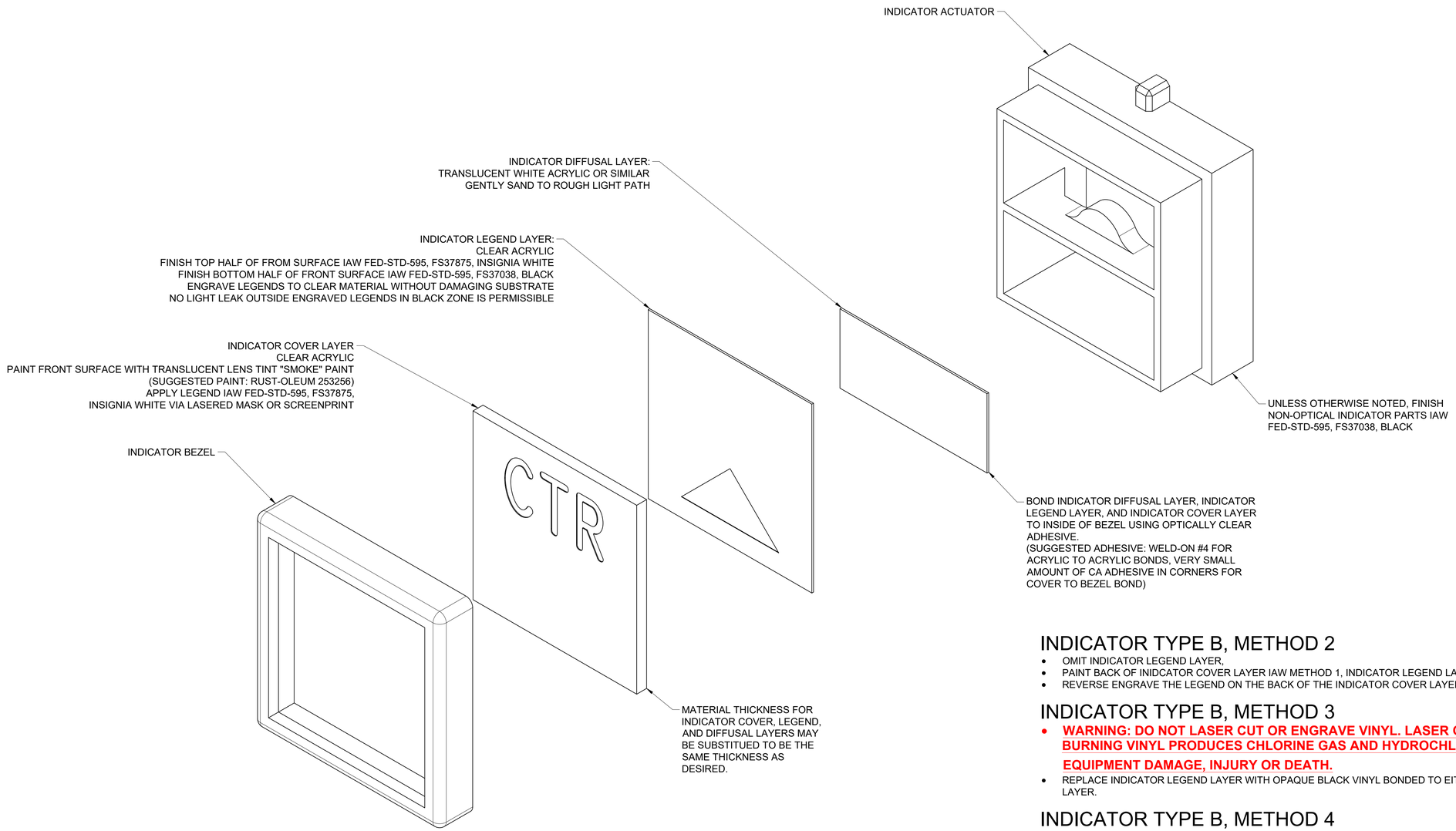
SIZE	DWG NO	REV
D	OH-SPEC-001	-
SCALE N/A		SHEET 2/3



INDICATOR TYPE B
METHOD 1

METHODS 2 THRU 4 SAME AS METHOD 1 EXCEPT AS NOTED. METHODS 2 THRU 4 MAY BE SUBSTITUTED FOR METHOD 1 AS DESIRED.

INDICATOR TYPE B, METHOD 2

- OMIT INDICATOR LEGEND LAYER,
- PAINT BACK OF INIDCATOR COVER LAYER IAW METHOD 1, INDICATOR LEGEND LAYER
- REVERSE ENGRAVE THE LEGEND ON THE BACK OF THE INDICATOR COVER LAYER.

INDICATOR TYPE B, METHOD 3

- **WARNING: DO NOT LASER CUT OR ENGRAVE VINYL. LASER CUTTING OR OTHERWISE BURNING VINYL PRODUCES CHLORINE GAS AND HYDROCHLORIC ACID. IT MAY RESULT IN EQUIPMENT DAMAGE, INJURY OR DEATH.**
- REPLACE INDICATOR LEGEND LAYER WITH OPAQUE BLACK VINYL BONDED TO EITHER DIFFUSAL LAYER OR BACK OF COVER LAYER.

INDICATOR TYPE B, METHOD 4

- REPLACE INDICATOR LEGEND LAYER WITH CLEAR TRANSPARANCY BONDED TO EITHER DIFFUSAL LAYER OR BACK OF COVER LAYER. TRANSPARANCY SHOULD BE PRINTED OPAQUE BLACK WITH CLEAR LETTERS.

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SIZE	DWG NO	REV
D	OH-SPEC-001	-
SCALE N/A		SHEET 3/3