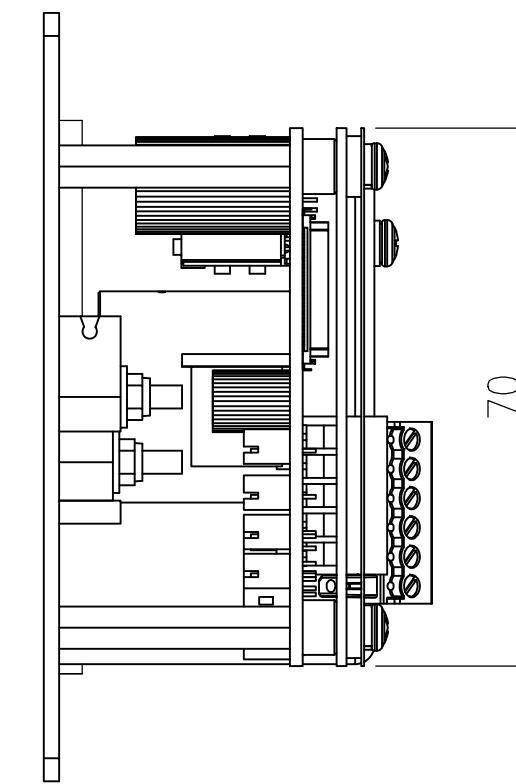
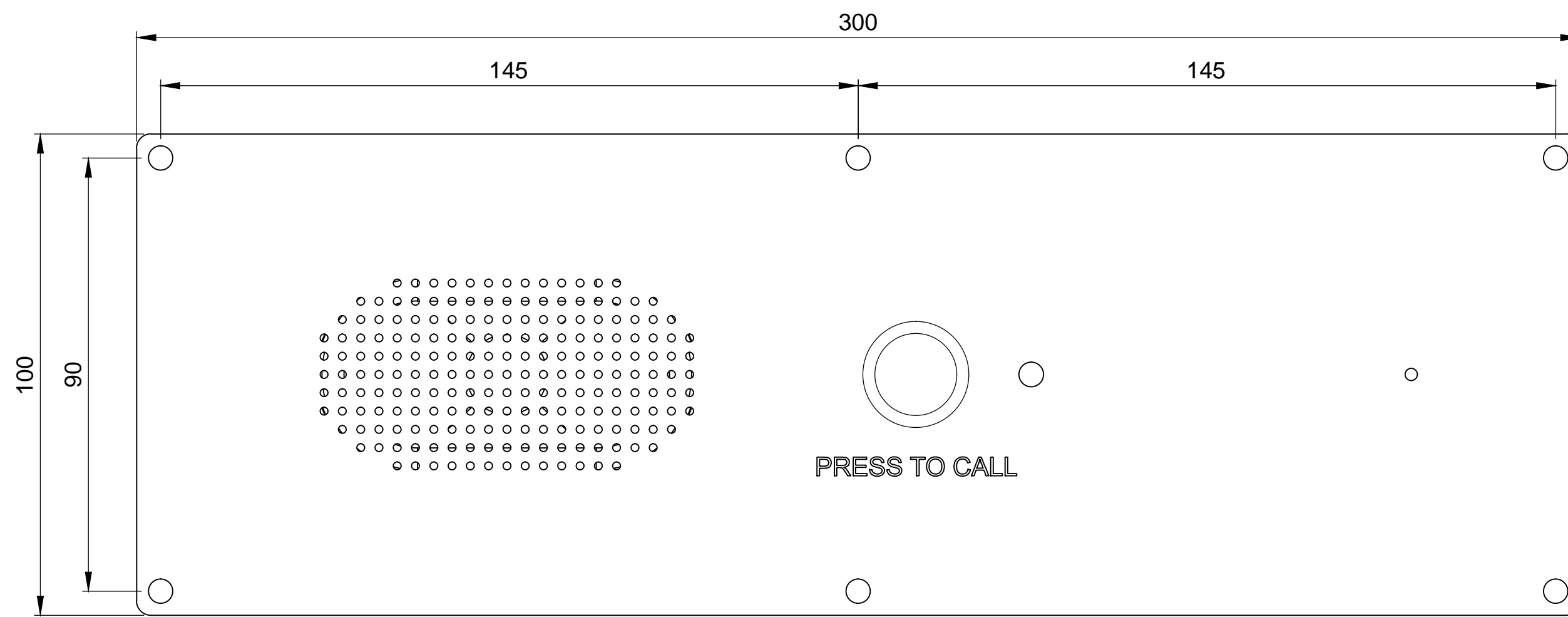
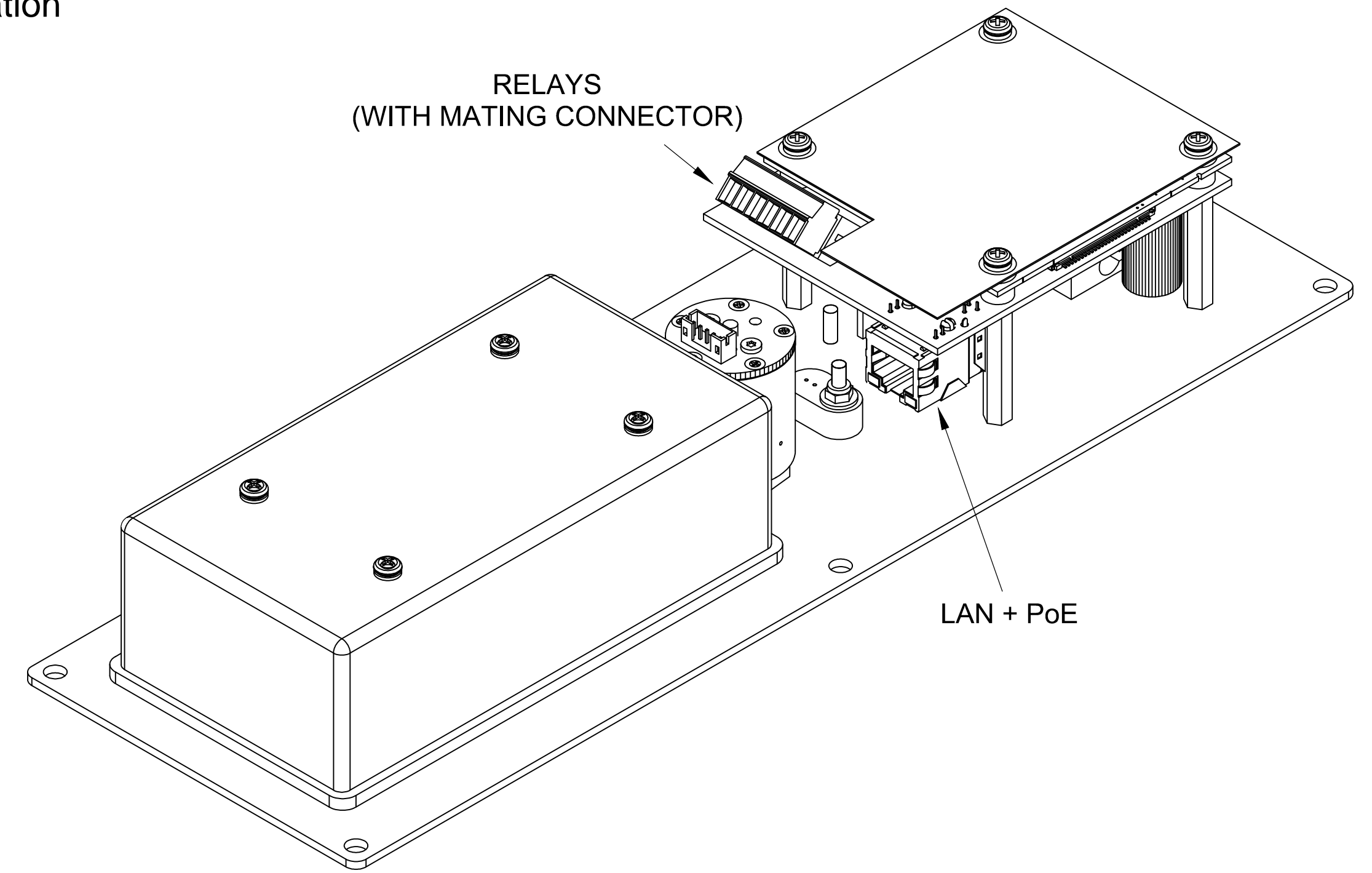
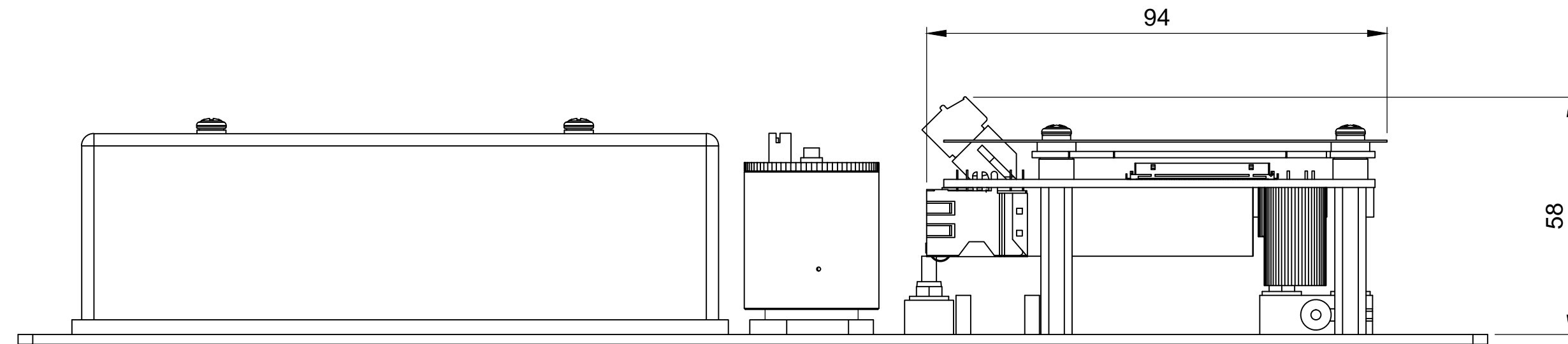


DO NOT SCALE

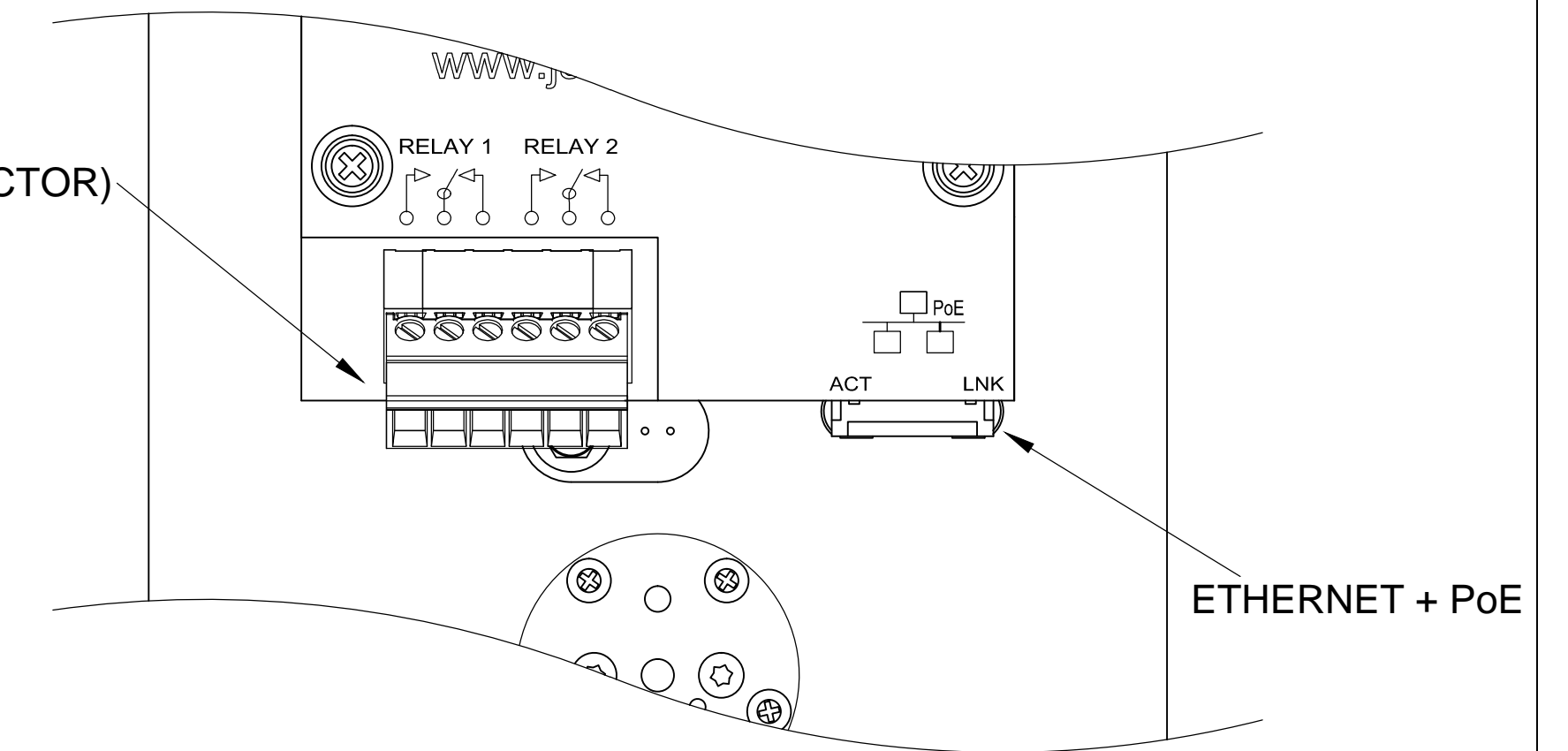
IF IN DOUBT - ASK!

### HSL-33x+ NCV INTERCOM STATION

Intercom dimensions and external connectors location



RELAYS (WITH MATING CONNECTOR)



HSL-331QS+ shown as example

**Notes:**

1. Power Input: via IEEE 802.3af PoE (Class 2)
2. Relay contacts rating: 30 V d.c. / 2 A
3. The example intercom shown here is without the Line Output Board option fitted.

REV	DATE	CHANGE DESCRIPTION	BY
0	2015-12-09	FIRST RELEASE	LFB
1	2016-01-12	SHEET 3 ADDED.	LFB
2	2016-04-26	HEADING (SHT 1), TITLE, DWG NO AND FILENAME CHANGED (filename & dwg no was HSL-331QS+-INS).	LFB
3	2016-05-04	'PRELIMINARY SUBJECT TO CHANGE' REMOVED FROM DRAWING.	LFB
4	2016-05-05	FILENAME AND DRAWING NUMBER CHANGED FROM HSL-33x+-INS TO HSL-33x+-NCV-INS.	LFB
5	2016-05-24	SHEET 4 ADDED SHOWING LINE OUTPUT BOARD OPTION.	LFB

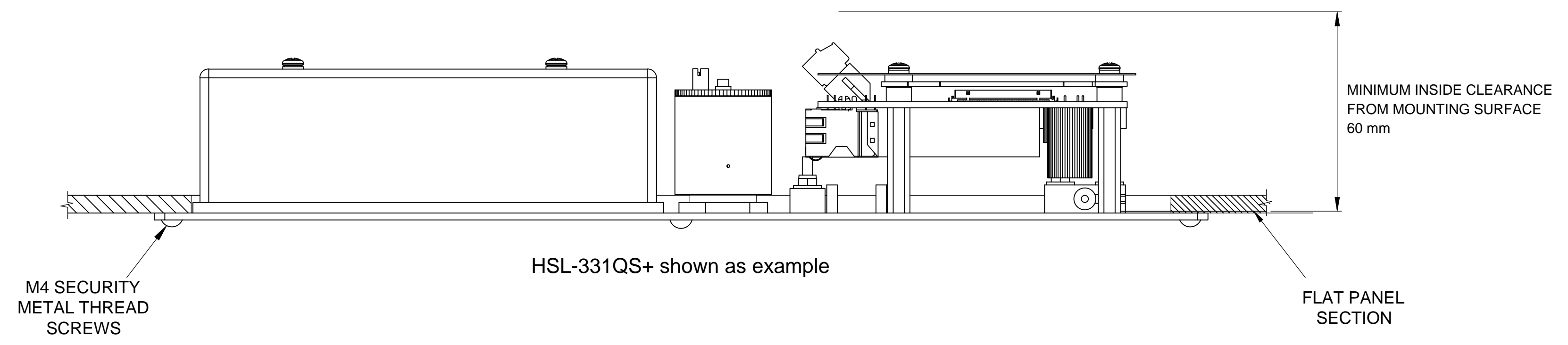
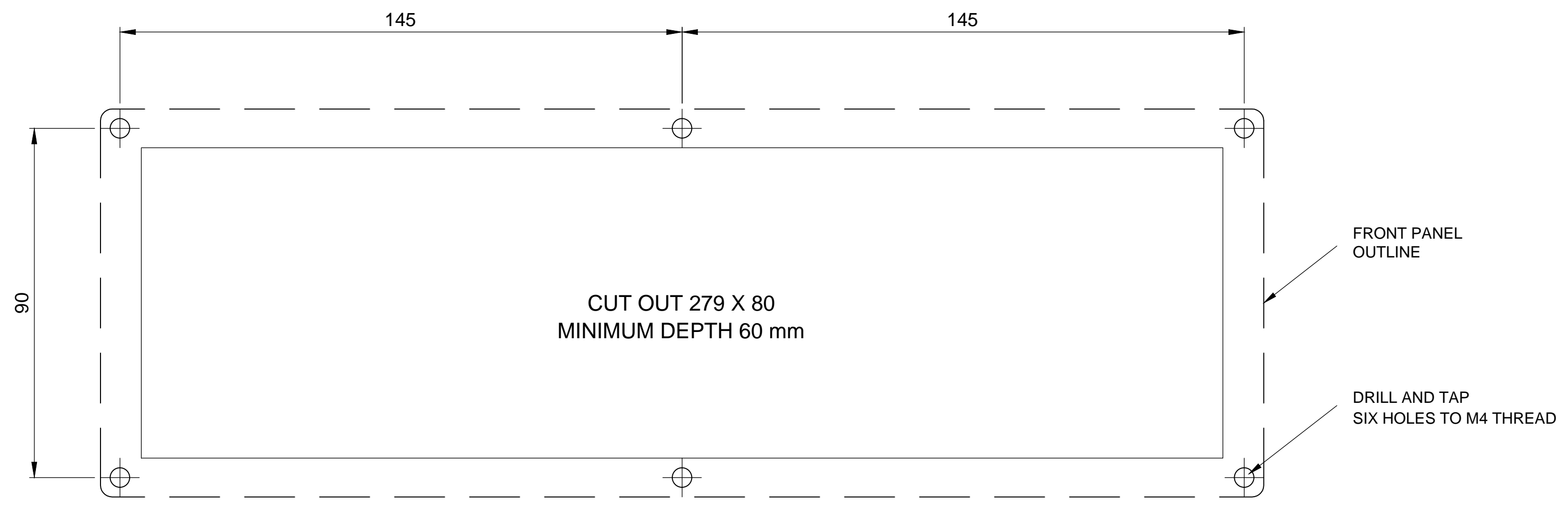
  

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<b>HSL-33x+ NCV VoIP INTERCOM INSTALLATION DETAILS</b>			
DRAWN:	DATE:	ADAPTED FROM:	FILENAME:
LFB	2015-12-09	N/A	HSL-33x+-NCV-INS.dwg
CHECKED:	DATE:	SCALE:	SHEET:
		N.T.S.	1 of 4
APPROVED:	DATE:	DWG NO:	REV:
		HSL-33x+-NCV-INS	5

DO NOT SCALE  
IF IN DOUBT - ASK!

### HSL-33x+ NCV INTERCOM STATION

Flush mounting into flat panel



REV	DATE	CHANGE DESCRIPTION	BY
1	2016-01-12	FIRST RELEASE - SHEET 3	LFB
2	2016-04-26	HEADING (SHT 1), TITLE, DWG NO AND FILENAME CHANGED (filename & dwg no was HSL-331QS+INS).	LFB
3	2016-05-04	'PRELIMINARY SUBJECT TO CHANGE' REMOVED FROM DRAWING.	LFB
4	2016-05-05	FILENAME AND DRAWING NUMBER CHANGED FROM HSL-33x+INS TO HSL-33x+-NCV-INS.	LFB
5	2016-05-24	SHEET 4 ADDED SHOWING LINE OUTPUT BOARD OPTION.	LFB

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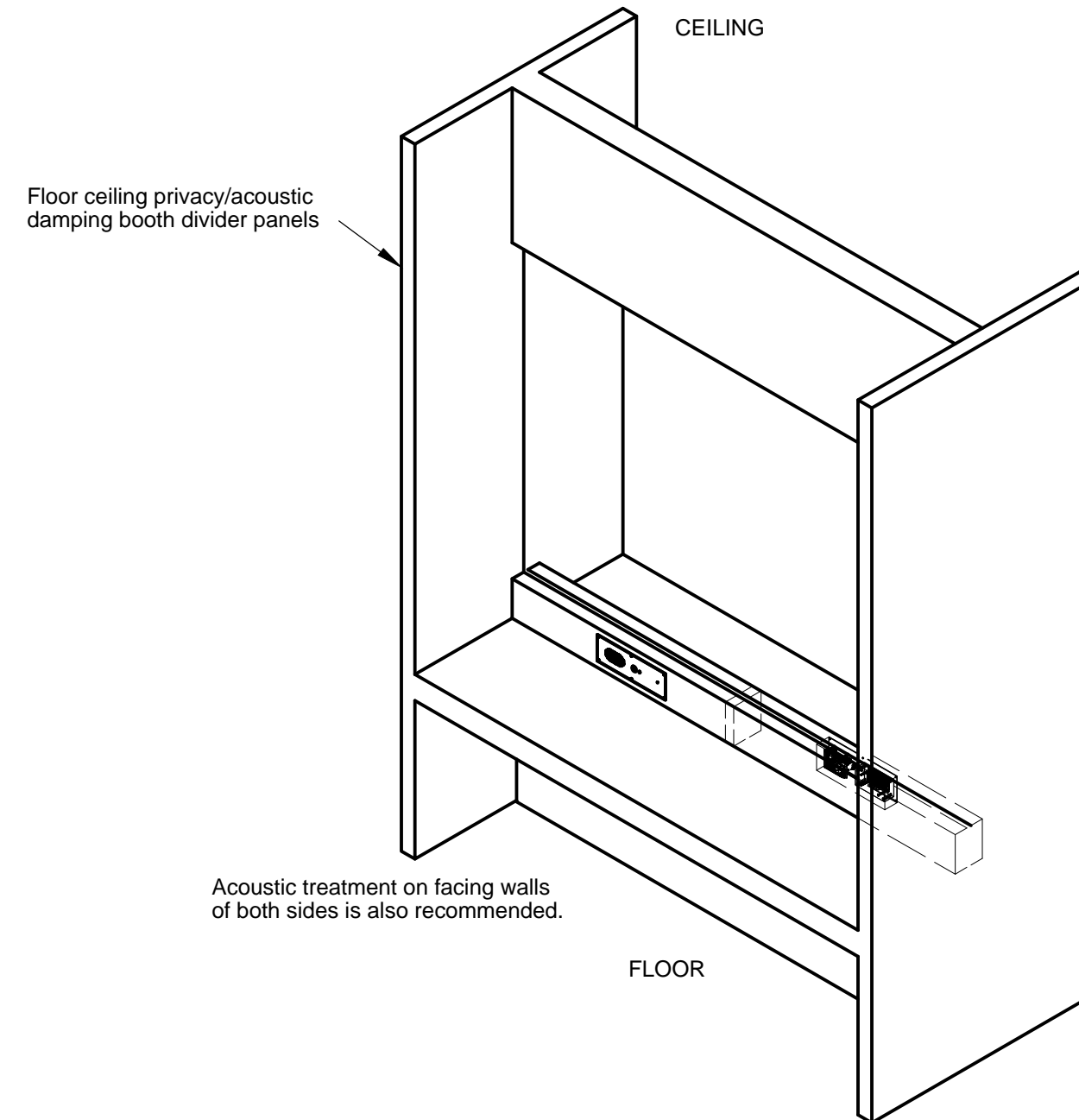
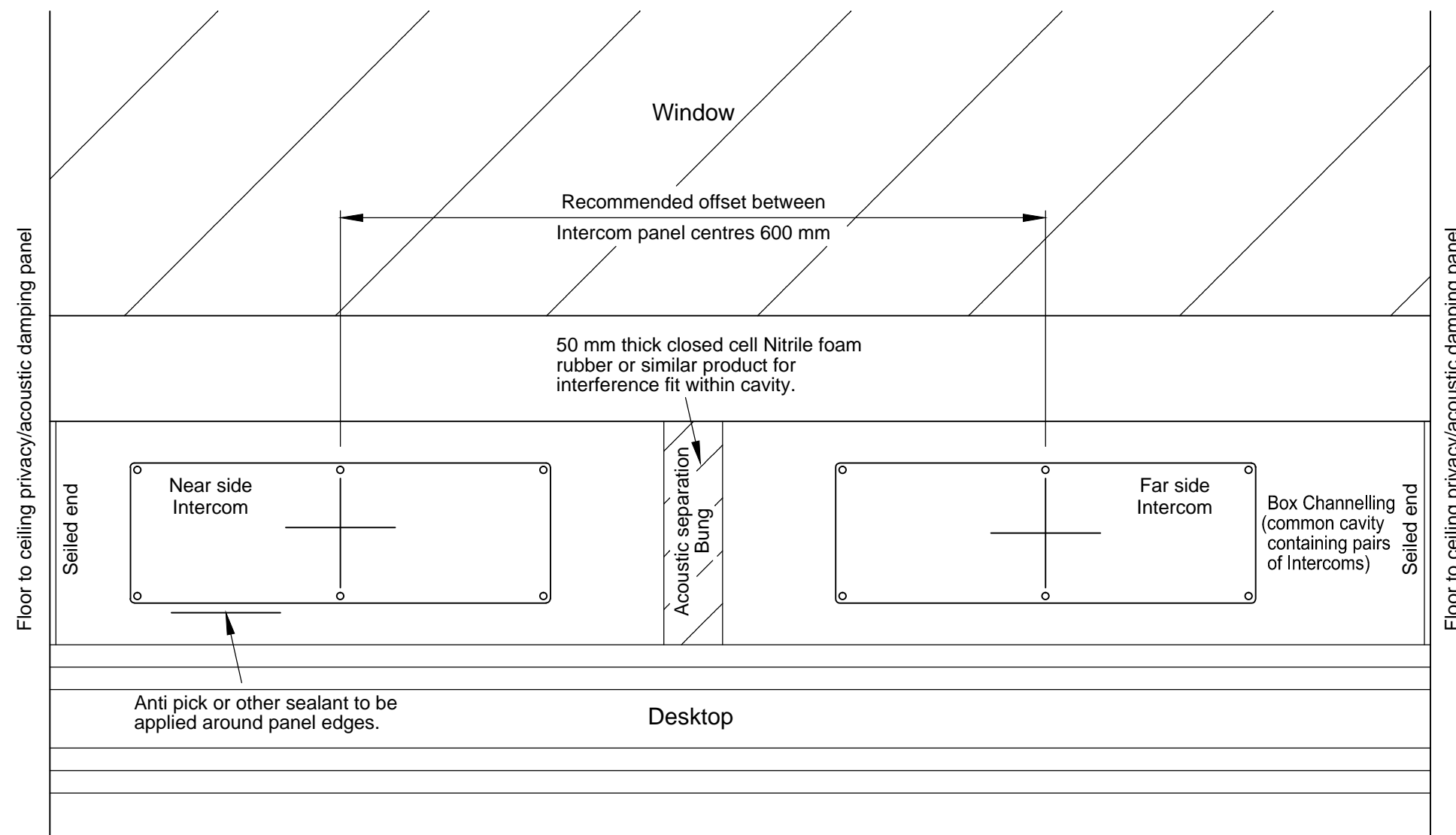
### HSL-33x+ NCV VoIP INTERCOM INSTALLATION DETAILS

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CHECKED:	DATE:	SCALE:	SHEET:
		N.T.S.	2 of 4
APPROVED:	DATE:	DWG NO:	REV:
		HSL-33x+-NCV-INS	5

DO NOT SCALE  
IF IN DOUBT - ASK!

## HSL-33x+ NCV INTERCOM STATION

Loud speaking full duplex NCV booth installation considerations



**BOOTH INSTALLATION REPRESENTATION**  
(Repeated for subsequent booths)

The installation must provide 'airtight' sealing between near and far sides of the booth i.e. no vent holes or similar through which any sound may travel. The acoustic design must also include features to minimise acoustic spill between booths. This must include consideration of the adjacent farside and adjacent neaside coupling. Coupling between adjacent booths to any significant extent may lead to loss of privacy and provide an unwanted acoustic feedback to occur.

REV	DATE	CHANGE DESCRIPTION	BY
1	2016-01-12	FIRST RELEASE - SHEET 3	LFB
2	2016-04-26	HEADING (SHT 1), TITLE, DWG NO AND FILENAME CHANGED (filename & dwg no was HSL-331QS+INS).	LFB
3	2016-05-04	'PRELIMINARY SUBJECT TO CHANGE' REMOVED FROM DRAWING.	LFB
4	2016-05-05	FILENAME AND DRAWING NUMBER CHANGED FROM HSL-33x+INS TO HSL-33x+NCV-INS.	LFB
5	2016-05-24	SHEET 4 ADDED SHOWING LINE OUTPUT BOARD OPTION.	LFB

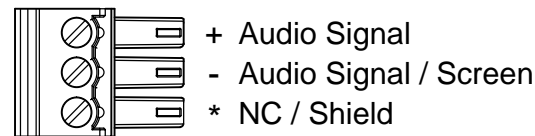
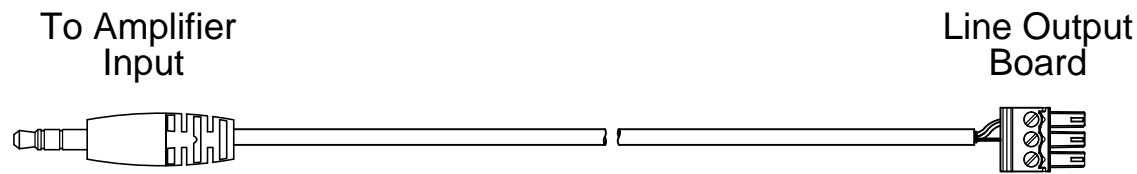
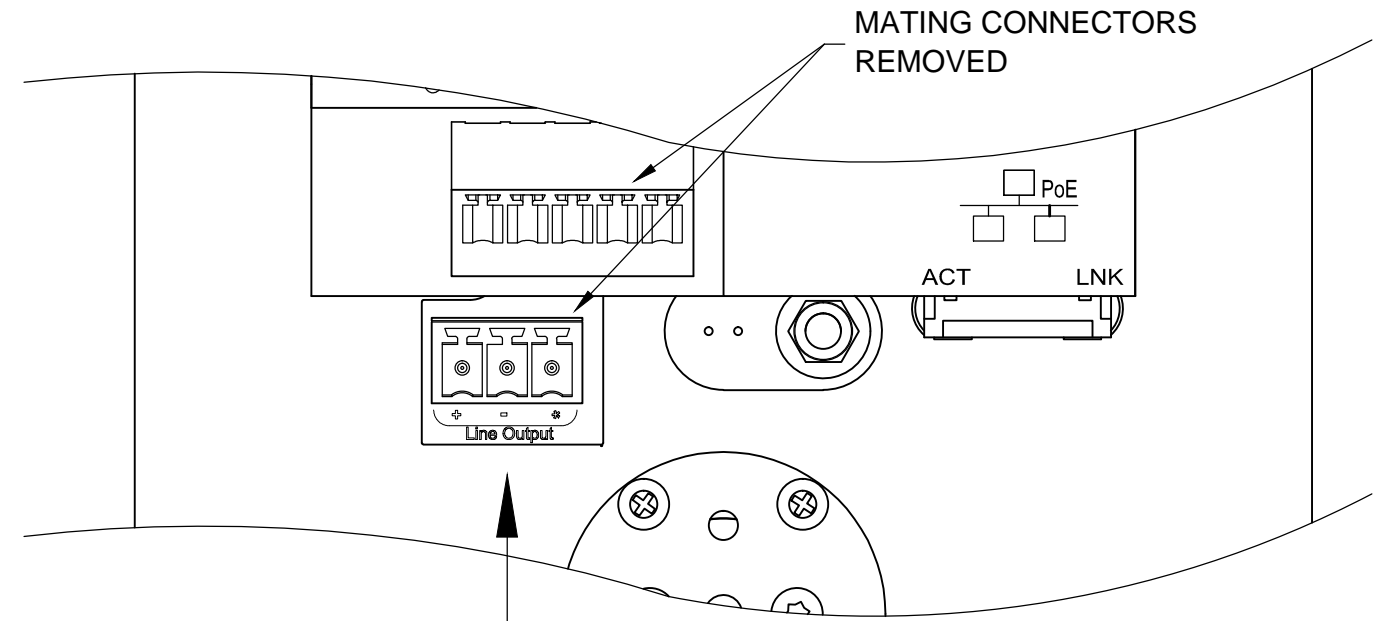
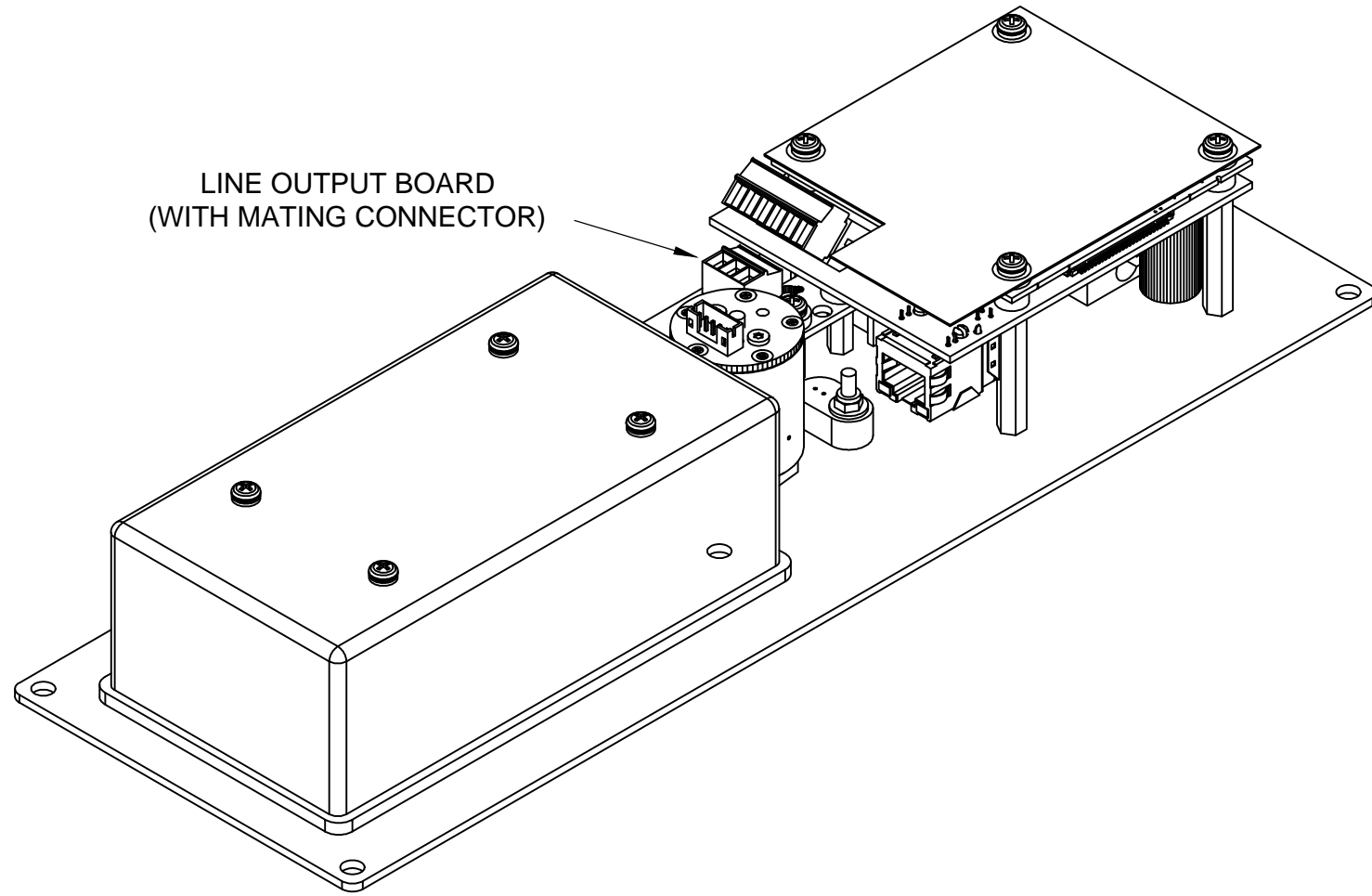
  

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<b>HSL-33x+ NCV VoIP INTERCOM INSTALLATION DETAILS</b>			
DRAWN:	DATE:	ADAPTED FROM:	FILENAME:
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CHECKED:	DATE:	SCALE:	SHEET:
		N.T.S.	3 of 4
APPROVED:	DATE:	DWG NO:	REV:
		HSL-33x+NCV-INS	5

DO NOT SCALE  
IF IN DOUBT - ASK!

### HSL-33x+ NCV INTERCOM STATION

Optional Line Output Board with wiring information



TYPICAL CONNECTION TO INDUCTION LOOP AMPLIFIER

- Notes:
1. Line Output Board, P/N 51843 is sold separately.
  2. Typically, the Line Output Board is used to connect the Intercom Speaker Audio to the Induction Loop Amplifier.

REV	DATE	CHANGE DESCRIPTION	BY
5	2016-05-24	SHEET 4 ADDED SHOWING LINE OUTPUT BOARD OPTION.	LFB

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<h3>HSL-33x+ NCV VoIP INTERCOM INSTALLATION DETAILS</h3>			
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CHECKED:	DATE:	SCALE:	SHEET: SIZE:
		N.T.S.	4 of 4 A2
APPROVED:	DATE:	DWG NO:	REV:
		HSL-33x+-NCV-INS	5