



DESIGN AND ACCESS STATEMENT

September 2022

**PLANNING APPLICATION FOR PROPOSED NEW
EXTERNAL FRIDGE PLANT**

AT

**LONG SUTTON FUNERAL HOME, 15 WEST STREET, LONG SUTTON
FOR LINCOLNSHIRE CO-OPERATIVE**

by Framework Architecture and Urban Design Ltd

JG/PL/J2235

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1.3 The subject site is currently used as a Funeral Home by Lincolnshire Co-operative, the following photograph illustrates the rear of the subject building and site.



View 1 looking north toward the rear of the building, from the rear car park area.

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2.0 Use

2.1 The existing building and site will continue to operate as a Funeral Home.

3.0 Amount:

3.1 There are no extensions proposed within this application and therefore there is no additional floor area created.

3.2 The funeral services building requires new external fridge plant to service new internal equipment.

4.0 Layout:

4.1 Please refer to the accompanying plans for the position of the proposed external plant.

4.2 The plant is located to the rear of the building on the edge of the Conservation Area, to generate minimal impact on the Conservation Area, the building and its setting.

5.0 Scale:

7.1 There is no change to the scale of the buildings to that which currently exists.

6.0 Landscaping:

8.1 There is no change to the landscaping of the buildings to that which currently exists.

7.0 Appearance:

9.1 The proposal does not affect the front elevation to West Street, therefore there will be no change to the building when viewed from the public realm.

9.2 The proposed plant will have minimal impact on the building and the broader Conservation Area.

8.0 Access:

8.1 There is no change to the existing access arrangements to the building to that which currently exists.



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9.0 Appendix:

9.1 Technical specification of the proposed plant



ZANOTTI Spa
Via M.L. King, 30
46020 - Pegognaga (MN) - ITALY
Tel. +39 0376 5551
Fax +39 0376 536554
info@zanotti.com

Technical specifications

Version 1.47.1

Model:

Class:

MDB107EA11XX**Uniblock DB-O****Technical data**

Characteristics	M.U.	Value
Working temperature	°C	+10 ÷ -5
Starting mode		Direct
Voltage	Volt-Ph-Hz	230/1~/50
Rated input	kW*	0.70
Rated input	Amp*	4.30
Peak current	Amp	32.0
Max current	Amp	9.5
Refrigerant		R134a
	GWP	1430
Defrost		Electric
Defrost heaters	watt	450
Condensing unit mass	Kg	43
Evaporator mass	Kg	13

Compressor

Type		Hermetic
Nominal power	kW	0.7

Condenser

Air flow	m³/h	750
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Evaporator

Air flow	m³/h	600
Air throw	m**	4

Standard liquid receiver	lt	2,5
PED Category		1

**Power data**

Tc °C	Ta °C	P watt	P Kcal/h	V100 m³	V80 m³	V60 m³
	20	2285	1965	23	21	19
	25	2151	1850	21	19	17
10	30	2024	1741	19	17	16
	35	1895	1630	18	16	15
	40	1754	1508	16	15	13
	45	1592	1369	14	13	12
	20	1933	1662	18	16	15
	25	1810	1557	17	15	14
5	30	1703	1465	16	15	13
	35	1604	1379	14	13	12
	40	1502	1292	13	12	11
	45	1389	1195	12	11	10
	20	1671	1437	15	14	12
	25	1526	1312	13	12	11
0	30	1422	1223	12	11	10
	35	1339	1152	11	10	9.1
	40	1255	1079	10	9.1	8.3
	45	1148	987	9	8.2	7.5
	20	1412	1214	12	11	10
	25	1286	1106	11	10	9.1
-5	30	1193	1026	9.5	8.6	7.9
	35	1116	960	8.6	7.8	7.1
	40	1039	894	7.8	7.1	6.5
	45	945	813	6.8	6.2	5.6

* When normally running: 0 ÷ +30°C

** Use air throw as a base. Air throw is affected by many factors such as height of room, product storage, location of evaporator, etc.

§ Liquid receiver: remote type

Tc: Coldroom temp. - Ta: External temp.

P: Refrigerant capacity - V: Recommended cold-room volume



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