

ROSCOMMON COUNTY COUNCIL

PLANNING AND DEVELOPMENT ACT, 2000 (as amended)

SECTION 5 - DECLARATION ON DEVELOPMENT AND EXEMPTED DEVELOPMENT

NOTIFICATION OF DECISION

REGISTERED POST

Alan Cooney,



Reference Number: DED 841
Application Received: 11th February, 2025
Name of Applicant: Alan Cooney
Agent: James Lohan Consulting Engineers Ltd

WHEREAS a question has arisen as to whether the refurbishment of a derelict house, with works including; 1) demolish internal walls; 2) strip out walls, floors & ceilings; 3) install new ceiling joists and internal stud work, plasterboard & skim; 4) re-wire the entire property; 5) re-plumb the entire property; 6) create at 2 no. new window opens & 1 no. new door open to rear; 7) install new uPVC windows (white) & doors; 8) re-slate the roof; 9) second fix carpentry, paint & decorate internally; 10) upgrade plumbing/heating system; 11) upgrade electrical system & 12) install new floors at Mocmoyne Road, Boyle, Co. Roscommon, F52 D653, is or is not development and is or is not exempted development.

AND WHEREAS Roscommon County Council, in considering this application, had regard particularly to:

- (a) Sections 2, 3, 4 and 5 of the Planning and Development Act, 2000, as amended.
- (b) Articles 6, 9 and 10 of the Planning and Development Regulations, 2001, as amended.
- (c) Class 2 of Part 1 of Schedule 2 of the Planning and Development Regulations, 2001 (Exempt Development – General), as amended.
- (d) The record forwarded to Roscommon County Council in accordance with subsection (6)(c) of Section 5 of the Planning and Development Acts 2000 as amended.
- (e) The planning history of the site.

AND WHEREAS Roscommon County Council has concluded that:

- (a) The works outlined above are development.
- (b) The proposed refurbishment of a derelict house, with works including 1) demolish internal walls; 2) strip out walls, floors & ceilings; 3) install new ceiling joists and internal stud work, plasterboard & skim; 4) re-wire the entire property; 5) re-plumb the entire property; 6) create at 2 no. new window opens & 1 no. new door open to rear; 7) install new uPVC windows (white) & doors; 8) re-slate the roof; 9) second fix carpentry, paint & decorate internally; 10) upgrade plumbing/heating system; 11) upgrade electrical system & 12) install new floors is an exempted development.
- (c) The proposed works fall within the provisions of Section 4(1)(h) of the Planning & Development Act 2000 as amended, which provides as follows:
development consisting of the carrying out of works for the maintenance, improvement or other alteration of any structure, being works which affect only the interior of the structure or which do not materially affect the external appearance of the structure so as to render the appearance inconsistent with the character of the structure or of neighbouring structures;
- (d) The proposed installation of an external heat pump as described in this case is an exempted development.
- (e) The proposed development individually and in combination with other plans or projects would not be likely to have a significant effect on any European site and that the requirement for AA or EIAR does not apply with respect to the current case.

NOW THEREFORE:

By virtue of the powers vested in me by the Local Government Acts 1925 – 2024 and Section 5(2)(a) of the Planning and Development Act 2000 (as amended) and having considered the various submissions and reports in connection with the application described above, it is hereby declared that the said development to refurbish a derelict house, with works including; 1) demolish internal walls; 2) strip out walls, floors & ceilings; 3) install new ceiling joists and internal stud work, plasterboard & skim; 4) re-wire the entire property; 5) re-plumb the entire property; 6) create at 2 no. new window opens & 1 no. new door open to rear; 7) install new uPVC windows (white) & doors; 8) re-slate the roof; 9) second fix carpentry, paint & decorate internally; 10) upgrade plumbing/heating system; 11) upgrade electrical system & 12) install new floors at Mocmoyne Road, Boyle, Co. Roscommon, F52 D653, is development that is **exempted development** as defined within the Planning and Development Act 2000 (as amended) and associated Regulations.

Signed on behalf of the Council:



Brian Farragher,
A/Senior Planner
Planning.

Date: 31st March, 2025

cc agent via email:

James Lohan Consulting Engineers Ltd
james@jlce.ie

ADVICE NOTE

Any person issued with a Declaration under Section 5 of the Planning and Development Act, 2000 (as amended) may, on payment to An Bord Pleanála of the prescribed fee, refer a Declaration for review within 4 weeks of the date of the issuing of the Declaration.

Carmel Curley

From: Carmel Curley
Sent: Monday 31 March 2025 10:54
To: [REDACTED] James Lohan
Cc: jack@jlce.ie
Subject: DED 841 - Notification of Decision
Attachments: DED 841 - Notification of Decision.pdf

A Chara,

Please find attached Notification of Decision for DED Application 841.

Mise le meas,

Carmel

**Carmel Curley, Staff Officer,
Planning Department, Roscommon County Council,
Aras an Chontae, Roscommon, Co. Roscommon, F42 VR98
☎: (090) 6637100**

✉: planning@roscommoncoco.ie | 🌐 www.roscommoncoco.ie

MAP LOCATION



**Planner's Report on application under
Section 5 of the Planning and Development Act 2000 (as amended)**

Reference Number:	DED 841
Re:	Permission to refurbish derelict house, with works including 1) demolish internal walls; 2) strip out walls, floors & ceilings; 3) install new ceiling joists and internal stud work, plasterboard & skim; 4) re-wire the entire property; 5) re-plumb the entire property; 6) create at 2 no. new window opens & 1 no. new door open to rear; 7) install new uPVC windows (white) & doors; 8) re-slate the roof; 9) second fix carpentry, paint & decorate internally; 10) upgrade plumbing/heating system; 11) upgrade electrical system & 12) install new floors under the Planning and Development Act (Exempted Development) Regulations 2018
Name of Applicant:	Alan Cooney
Location of Development:	Mocmoyne Road, Boyle, Co. Roscommon, F52 D653
Site Visit:	10/03/2025

WHEREAS a question has arisen as to whether the following works to refurbish derelict house, with works including 1) demolish internal walls; 2) strip out walls, floors & ceilings; 3) install new ceiling joists and internal stud work, plasterboard & skim; 4) re-wire the entire property; 5) re-plumb the entire property; 6) create at 2 no. new window opens & 1 no. new door open to rear; 7) install new uPVC windows (white) & doors; 8) re-slate the roof; 9) second fix carpentry, paint & decorate internally; 10) upgrade plumbing/heating system; 11) upgrade electrical system & 12) install new floors **at the above address is or is not development and is or is not exempted development.**

I have considered this question, and I have had regard particularly to –

- (a) Sections 2, 3, 4 and 5 of the Planning and Development Act, 2000, as amended
- (b) Articles 6 and 9 of the Planning and Development Regulations, 2001, as amended
- (c) The record forwarded to Roscommon County Council in accordance with subsection (6)(c) of Section 5 of the Planning and Development Acts 2000 as amended.
- (d) The planning history of the site

Site Location & Development Description

The site consists of a single storey dwelling with a small domestic garage to the rear, and is accessed off the R 294 Regional Road, approximately 670m west of Boyle Town Centre. The proposed development consists of refurbishing an existing dwelling including internal works, install new window and door openings to the rear of the dwelling, and re-slating the roof.

There are no European designated sites in, adjoining or in close proximity to the subject site. There is no known heritage related sites/structures in very close proximity to the subject site, as per the Roscommon County Council GIS.

Archaeological and Cultural Heritage

No RMP recorded in the likely zone of influence of the proposed development. No Protected structures or structures listed in the National Inventory of Architectural Heritage in the likely zone of influence of the proposed development.

Appropriate Assessment

The closest European site to the proposed development is Lough Gara SPA (Site Code: 004048) which is located circa 5.5km to the south west of the subject site.

Having regard to the separation distance between the site and the closest Natura 2000 site and the nature of the proposal, there is no real likelihood of significant effects on the conservation objectives of these or other European sites arising from the proposed development. The need for further Appropriate Assessment can, therefore, be excluded.

Planning History

As per the Roscommon County Council's Planning Registry, no recent planning history traced to the site

UDR 2037: An Enforcement File was opened relating to Alleged Unauthorised Development consisting of use of a garage within the curtilage of a dwelling house at Mockmoyne Townland, Boyle, Co Roscommon. No action was taken on this file since December 2013. Following site inspections in 2013 it had been reported that there was no evidence of unauthorised development. The case has been placed on hold in 2013 pending further evidence of unauthorised development.

Relevant statutory provisions

Planning and Development Acts 2000 (as amended)

Section 2. -(1)

"works" includes any act or operation of construction, excavation, demolition, extension, alteration, repair or renewal and, in relation to a protected structure or proposed protected structure, includes any act or operation involving the application or removal of plaster, paint, wallpaper, tiles or other material to or from the surfaces of the interior or exterior of a structure.

Section 3. -(1)

In this Act, "development" means, except where the context otherwise requires, the carrying out of any works on, in, over or under land or the making of any material change in the use of any structures or other land.

Section 4(1) of the Act defines certain types of development as being 'exempted development'. Of potential relevance is section 4(1)(h) which provides as follows:

development consisting of the carrying out of works for the maintenance, improvement or other alteration of any structure, being works which affect only the interior of the structure or which do not materially affect the external appearance of the structure so as to render the appearance inconsistent with the character of the structure or of neighbouring structures;

Section 4 (2) of the Planning and Development Act provides that the Minister, by regulations, provide for any class of development to be exempted development. The principal regulations made under this provision are the Planning and Development Regulations.

Planning and Development Regulations, 2001 as amended

Article 6 (1)

Subject to article 9, development of a class specified in column 1 of Part 3 of Schedule 2 shall be exempted development for the purposes of the Act, provided that such development complies with the conditions and limitations specified in column 2 of the said Part 3 opposite the mention of that class in the said column 1.

Article 9 (1) applies;

Development to which article 6 relates shall not be exempted development for the purposes of the Act

viiB) comprise development in relation to which a planning authority or an Bord Pleanála is the competent authority in relation to appropriate assessment and the development would require an appropriate assessment because it would be likely to have a significant effect on the integrity of a European site,

Class 2 of Part 1 of Schedule 2: Exempted development – General

Description of Development	Conditions and Limitations
<i>Development within the curtilage of a house</i> CLASS 2 (d) The installation on or within the curtilage of a house of a ground heat pump system (horizontal and vertical) or an air source heat pump	<ol style="list-style-type: none">1. The level of the ground shall not be altered by more than 1 metre above or below the level of the adjoining ground.2. The total area of such a heat pump, taken together with any other such pump previously erected, shall not exceed 2.5 square metres.3. The heat pump shall be a minimum of 50cm from any edge of the wall or roof on which it is mounted.4. No such structure shall be erected on, or forward of, the front wall or roof of the house.5. Noise levels must not exceed 43db(A) during normal operation, or in excess of 5db(A) above the background noise, whichever is greater, as measured from the nearest neighbouring inhabited dwelling.

Assessment

In accordance with the Planning and Development Act, 2000, as amended Section 3. (1) development is defined as the following: "In this Act, "development" means, except where the context otherwise requires, the carrying out of any works on, in, over or under land or the making of any material change in the use of any structures or other land". The proposed development is considered to be the carrying out of works. Works are defined in the Act as; "works" includes any act or operation of construction, excavation, demolition, extension, alteration, repair or renewal and, in relation to a protected structure....". It is considered that said works constitute development, as defined in Section 3 of the said Act.

The proposed development to install an external heat pump system which, with regard to the compliance with the conditions and limitations of Class 2 of Part 1 of Schedule 2 (Exempted development - General) the following assessment sets out how these apply to the current proposal:

1. There is no change in ground level.
2. Based on the data sheet provided as part of the FI response the proposed heat pump system is 2.4m².
3. The heat pump system is ca. 100cm from the wall of the existing dwelling.
4. Indicated on drawing to be located to the rear of the property.
5. Onus on applicant to comply with this.

Having reviewed the proposed works in the context of the Conditions and Limitations associated with Class 2 of Part 1 of Schedule 2 of the Planning and Development Regulations, 2001, as amended, the install air to water heat pump as described in this case is considered an exempted development.

With Regard to Article 9 (1)(a) of the Planning and Development Regulations it is reasonable to conclude, on the basis of the information available, that the proposed development individually and in combination with other plans or projects would not be likely to have a significant effect on any European site and that the need for AA does not apply with respect to the current case.

I am satisfied that an Environmental Impact Statement or Appropriate Assessment are not required. It should be noted that any development for which Environmental Impact Assessment or Appropriate Assessment is required shall not be exempted development unless specifically exempted in regulations where there is provision in other legislation for the carrying out of EIA or AA. In addition, the restrictions on exemption Art 9 (1)(a) (viiB) exclude development which would otherwise be exempted development under these regulations where an AA is required.

Recommendation

WHEREAS a question has arisen as to refurbish derelict house, with works including 1) demolish internal walls; 2) strip out walls, floors & ceilings; 3) install new ceiling joists and internal stud work, plasterboard & skim; 4) re-wire the entire property; 5) re-plumb the entire property; 6) create at 2 no. new window opens & 1 no. new door open to rear; 7) install new uPVC windows (white) & doors; 8) re-slate the roof; 9) second fix carpentry, paint & decorate internally; 10) upgrade plumbing/heating system; 11) upgrade electrical system & 12) install new floors at Mocmoyne Road, Boyle, Co. Roscommon, F52 D653, is or is not development and is or is not exempted development, I have considered this question, and I have had regard particularly to

- (a) Sections 2, 3, 4 and 5 of the Planning and Development Act, 2000, as amended
- (b) Articles 6, 9 and 10 of the Planning and Development Regulations, 2001, as amended
- (c) Class 2 of Part 1 of Schedule 2 of the Planning and Development Regulations, 2001 (Exempt Development – General), as amended
- (d) The record forwarded to Roscommon County Council in accordance with subsection (6)(c) of Section 5 of the Planning and Development Acts 2000 as amended.
- (e) The planning history of the site

AND WHEREAS I have concluded that

- The works outlined above are development.
- The proposed refurbishment of a derelict house, with works including 1) demolish internal walls; 2) strip out walls, floors & ceilings; 3) install new ceiling joists and internal stud work, plasterboard & skim; 4) re-wire the entire property; 5) re-plumb the entire property; 6) create at 2 no. new window opens & 1 no. new door open to rear; 7) install new uPVC windows (white) & doors; 8) re-slate the roof; 9) second fix carpentry, paint & decorate internally; 10) upgrade plumbing/heating system; 11) upgrade electrical system & 12) install new floors is an exempted development.
- The proposed works fall within the provisions of Section 4(1)(h) of the Planning & Development Act 2000 as amended, which provides as follows:


development consisting of the carrying out of works for the maintenance, improvement or other alteration of any structure, being works which affect only the interior of the structure or which do not materially affect the external appearance of the structure so as to render the appearance inconsistent with the character of the structure or of neighbouring structures;

- The proposed installation of an external heat pump as described in this case is an exempted development.
- The proposed development individually and in combination with other plans or projects would not be likely to have a significant effect on any European site and that the requirement for AA or EIAR does not apply with respect to the current case.

AND WHEREAS I have concluded that the said development to refurbish derelict house, with works including 1) demolish internal walls; 2) strip out walls, floors & ceilings; 3) install new ceiling joists and internal stud work, plasterboard & skim; 4) re-wire the entire property; 5) re-plumb the entire property; 6) create at 2 no. new window opens & 1 no. new door open to rear; 7) install new uPVC windows (white) & doors; 8) re-slate the roof; 9) second fix carpentry, paint & decorate internally; 10) upgrade plumbing/heating system; 11) upgrade electrical system & 12) install new floors at Mocmoyne Road, Boyle, Co. Roscommon, F52 D653 is an exempted development. I recommend that a declaration to that effect should be issued to the applicant.

Saith O'Grady
Signed:
 Graduate Planner

Date: 27th March 2025


Signed:
 A/Senior Planner

Date: 27th March 2025

SECTION 1: Basic Properties

Item Type	Heat Source	Heat Source Type	Heat Pump
Item Name	Heat Pump	Heat Pump Type	Air to Water
Keywords	10kW Split Mitsubishi Electric Zubadan	Space Heating Standard	I.S. EN 14825
Manufacturer	Mitsubishi Electric	Water Heating Standard	I.S. EN 16147
Model	PUD-SHWM100VAA	Season Space Heating Efficiency	136
		Water Heating Efficiency	148
		η _{sp} (%)	
		η _{wh} (%)	
		TOL	-28
		WTOL	60

Temperature Control (Capacity Control)

Variable Outlet Temperature



SECTION 2: Heating System Test Data: I.S. EN 14825

Test Conditions - Low (35°C)

	A (88%)	B (54%)	C (35%)	D (15%)	e* (100%)
Source	A-7	A2	A7	A12	A-15
Sink	W34	W30	W27	W24	W35
Heating Capacity (kW)	8.90	5.70	5.40	4.50	7.70
Coefficient of Performance (kW/kW)	3.16	4.52	5.63	7.89	1.57

Source	A-7	A2	A7	A12	A-15
Sink	W52	W42	W36	W30	W55
Heating Capacity (kW)	8.90	5.40	5.20	3.60	7.70
Coefficient of Performance (kW/kW)	2.18	3.29	4.81	7.06	1.57

Test Conditions - High (55°C)

SECTION 3: Heating System Test Data: I.S. EN 16147

Source of Data	Water Heating Energy Efficiency
Water Heating Energy Efficiency η _{wh} (%)	148
Capacity of Heat Pump (kW)	10.00
Standby Heat Loss (kWh/day)	1.91

Coefficient of Performance (kW)	
Reference Hot Water Temperature	52.5
Declared Load Profile	L
Volume of Water Accounted for in Test	200



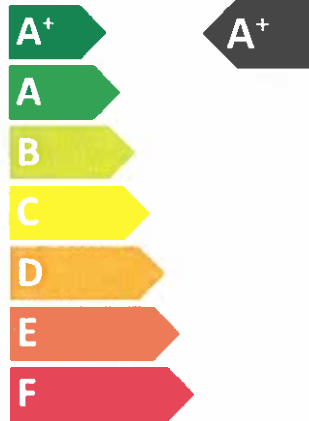
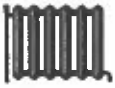


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Indoor unit E*ST20D-****D
Outdoor unit PUD-SHWM100VAA(-BS)



41 dB

59 dB



10 kW
10 kW
10 kW

2019

811/2013

BH79V003H07



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832
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27 MAR 2025
PLANNING SECTION
ROSCONCIL



Model(s):	Outdoor unit:	PUD-SHWM100
	Indoor unit:	EHST20D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-tempera
Parameters for		average climate

Item	Symbol	Value	Unit	It
Rated heat output (*)	Prated	10.0	kW	Seasonal spa energy efficien
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient part load at indoor
T _j = - 7 °C	P _{dh}	8.9	kW	T _j = - 7 °C
Degradation co-efficient (**)	C _{dh}	0.99	-	
T _j = + 2 °C	P _{dh}	5.4	kW	T _j = + 2 °C
Degradation co-efficient (**)	C _{dh}	0.99	-	
T _j = + 7 °C	P _{dh}	5.2	kW	T _j = + 7 °C
Degradation co-efficient (**)	C _{dh}	0.98	-	
T _j = +12 °C	P _{dh}	3.6	kW	T _j = +12 °C
Degradation co-efficient (**)	C _{dh}	0.97	-	
T _j = bivalent temperature	P _{dh}	10.0	kW	T _j = bivalent tem
T _j = operation limit temperature	P _{dh}	7.7	kW	T _j = operation lir
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if T
Bivalent temperature	T _{biv}	-10	°C	Operation limit
Reference design conditions for space heating	T _{designh}	-10	°C	Heating water op temperature
Power consumption in modes other than active mode				Supplementary he



Model(s):	Outdoor unit:	PUD-SHWM100
	Indoor unit:	EHST20D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature
Parameters for		average climate

Item	Symbol	Value	Unit	It
Rated heat output (*)	Prated	10.0	kW	Seasonal spa energy efficien
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient part load at indoor
T _j = - 7 °C	P _{dh}	8.9	kW	T _j = - 7 °C
Degradation co-efficient (**)	C _{dh}	0.99	-	
T _j = + 2 °C	P _{dh}	5.7	kW	T _j = + 2 °C
Degradation co-efficient (**)	C _{dh}	0.98	-	
T _j = + 7 °C	P _{dh}	5.4	kW	T _j = + 7 °C
Degradation co-efficient (**)	C _{dh}	0.98	-	
T _j = +12 °C	P _{dh}	4.5	kW	T _j = +12 °C
Degradation co-efficient (**)	C _{dh}	0.97	-	
T _j = bivalent temperature	P _{dh}	10.0	kW	T _j = bivalent tem
T _j = operation limit temperature	P _{dh}	7.7	kW	T _j = operation lir
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if T
Bivalent temperature	T _{biv}	-10	°C	Operation limit
Reference design conditions for space heating	T _{designh}	-10	°C	Heating water op temperature
Power consumption in modes other than active mode				Supplementary he



Model(s):

Outdoor unit:

PUD-SHWM100

Indoor unit:

EHST20D-****D

Air-to-water heat pump:

yes

Water-to-water heat pump:

no

Brine-to-water heat pump:

no

Low-temperature heat pump:

no

Equipped with a supplementary heater:

yes

Heat pump combination heater:

yes

Parameters for

medium-tempera

Parameters for

colder climate co

Item	Symbol	Value	Unit	It
Rated heat output (*)	Prated	10.0	kW	Seasonal spa energy efficien
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient part load at indoor
T _j = - 7 °C	P _d h	6.1	kW	T _j = - 7 °C
Degradation co-efficient (**)	C _d h	0.99	-	
T _j = + 2 °C	P _d h	3.7	kW	T _j = + 2 °C
Degradation co-efficient (**)	C _d h	0.98	-	
T _j = + 7 °C	P _d h	3.8	kW	T _j = + 7 °C
Degradation co-efficient (**)	C _d h	0.98	-	
T _j = +12 °C	P _d h	4.4	kW	T _j = +12 °C
Degradation co-efficient (**)	C _d h	0.97	-	
T _j = bivalent temperature	P _d h	8.4	kW	T _j = bivalent tem
T _j = operation limit temperature	P _d h	7.7	kW	T _j = operation lir
T _j = - 15 °C (if TOL < - 20 °C)	P _d h	8.5	kW	T _j = - 15 °C (if T
Bivalent temperature	T _b iv	-16	°C	Operation limit
Reference design conditions for space heating	T _d esignh	-22	°C	Heating water op temperature
Power consumption in modes other than active mode				Supplementary he



Model(s):

Outdoor unit:

PUD-SHWM100

Indoor unit:

EHST20D-****D

Air-to-water heat pump:

yes

Water-to-water heat pump:

no

Brine-to-water heat pump:

no

Low-temperature heat pump:

no

Equipped with a supplementary heater:

yes

Heat pump combination heater:

yes

Parameters for

low-temperature

Parameters for

colder climate co

Item	Symbol	Value	Unit	It
Rated heat output (*)	Prated	10.0	kW	Seasonal spa energy efficien
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient part load at indoor
T _j = - 7 °C	P _{dh}	6.2	kW	T _j = - 7 °C
Degradation co-efficient (**)	C _{dh}	0.99	-	
T _j = + 2 °C	P _{dh}	3.9	kW	T _j = + 2 °C
Degradation co-efficient (**)	C _{dh}	0.98	-	
T _j = + 7 °C	P _{dh}	3.9	kW	T _j = + 7 °C
Degradation co-efficient (**)	C _{dh}	0.97	-	
T _j = +12 °C	P _{dh}	4.5	kW	T _j = +12 °C
Degradation co-efficient (**)	C _{dh}	0.97	-	
T _j = bivalent temperature	P _{dh}	8.4	kW	T _j = bivalent terr
T _j = operation limit temperature	P _{dh}	7.7	kW	T _j = operation lir
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	8.5	kW	T _j = - 15 °C (if T
Bivalent temperature	T _{biv}	-16	°C	Operation limit
Reference design conditions for space heating	T _{designh}	-22	°C	Heating water op temperature
Power consumption in modes other than active mode				Supplementary h



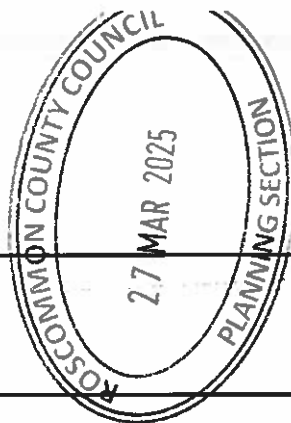
Model(s):	Outdoor unit:	PUD-SHWM100
	Indoor unit:	EHST20D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-tempera
Parameters for		warmer climate c

Item	Symbol	Value	Unit	It
Rated heat output (*)	Prated	10.0	kW	Seasonal spa energy efficien
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient part load at indoor
T _j = - 7 °C	P _{dh}	-	kW	T _j = - 7 °C
Degradation co-efficient (**)	C _{dh}	-	-	
T _j = + 2 °C	P _{dh}	10.0	kW	T _j = + 2 °C
Degradation co-efficient (**)	C _{dh}	0.99	-	
T _j = + 7 °C	P _{dh}	6.4	kW	T _j = + 7 °C
Degradation co-efficient (**)	C _{dh}	0.99	-	
T _j = +12 °C	P _{dh}	4.2	kW	T _j = +12 °C
Degradation co-efficient (**)	C _{dh}	0.98	-	
T _j = bivalent temperature	P _{dh}	10.0	kW	T _j = bivalent tem
T _j = operation limit temperature	P _{dh}	7.7	kW	T _j = operation lir
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if T
Bivalent temperature	T _{biv}	2	°C	Operation limit
Reference design conditions for space heating	T _{designh}	2	°C	Heating water op temperature
Power consumption in modes other than active mode				Supplementary he



Model(s):	Outdoor unit:	PUD-SHWM100
	Indoor unit:	EHST20D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature
Parameters for		warmer climate

Item	Symbol	Value	Unit	It
Rated heat output (*)	Prated	10.0	kW	Seasonal spa energy efficien
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient part load at indoor
T _j = - 7 °C	P _{dh}	-	kW	T _j = - 7 °C
Degradation co-efficient (**)	C _{dh}	-	-	
T _j = + 2 °C	P _{dh}	10.0	kW	T _j = + 2 °C
Degradation co-efficient (**)	C _{dh}	0.99	-	
T _j = + 7 °C	P _{dh}	6.4	kW	T _j = + 7 °C
Degradation co-efficient (**)	C _{dh}	0.98	-	
T _j = +12 °C	P _{dh}	4.4	kW	T _j = +12 °C
Degradation co-efficient (**)	C _{dh}	0.97	-	
T _j = bivalent temperature	P _{dh}	10.0	kW	T _j = bivalent tem
T _j = operation limit temperature	P _{dh}	7.7	kW	T _j = operation lir
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if T
Bivalent temperature	T _{biv}	2	°C	Operation limit
Reference design conditions for space heating	T _{designh}	2	°C	Heating water op temperature
Power consumption in modes other than active mode				Supplementary he



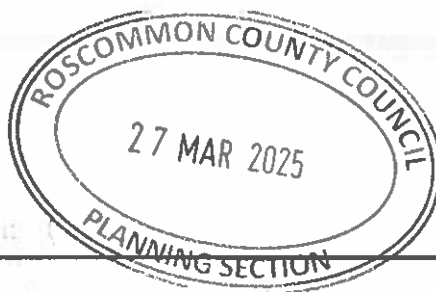
Model(s):	Outdoor unit:	PUD-SHWM100
	Indoor unit:	EHST20D-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		medium-tempera
Parameters for		average climate

Item	Symbol	Value	Unit	It
Rated heat output (*)	Prated	10.0	kW	Seasonal spa energy efficien
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient part load at indoor
T _j = - 7 °C	P _d h	8.9	kW	T _j = - 7 °C
Degradation co-efficient (**)	C _d h	0.99	-	
T _j = + 2 °C	P _d h	5.4	kW	T _j = + 2 °C
Degradation co-efficient (**)	C _d h	0.99	-	
T _j = + 7 °C	P _d h	5.2	kW	T _j = + 7 °C
Degradation co-efficient (**)	C _d h	0.98	-	
T _j = +12 °C	P _d h	3.6	kW	T _j = +12 °C
Degradation co-efficient (**)	C _d h	0.97	-	
T _j = bivalent temperature	P _d h	10.0	kW	T _j = bivalent tem
T _j = operation limit temperature	P _d h	7.7	kW	T _j = operation lin
T _j = - 15 °C (if TOL < - 20 °C)	P _d h	-	kW	T _j = - 15 °C (if T
Bivalent temperature	T _b iv	-10	°C	Operation limit
Reference design conditions for space heating	T _d esignh	-10	°C	Heating water op temperature
Power consumption in modes other than active mode				Supplementary he



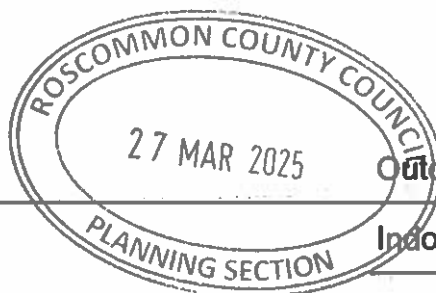
Model(s):	Outdoor unit:	PUD-SHWM100
	Indoor unit:	EHST20D-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		low-temperature
Parameters for		average climate

Item	Symbol	Value	Unit	It
Rated heat output (*)	Prated	10.0	kW	Seasonal spa energy efficien
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient part load at indoor
T _j = - 7 °C	P _{dh}	8.9	kW	T _j = - 7 °C
Degradation co-efficient (**)	C _{dh}	0.99	-	
T _j = + 2 °C	P _{dh}	5.7	kW	T _j = + 2 °C
Degradation co-efficient (**)	C _{dh}	0.98	-	
T _j = + 7 °C	P _{dh}	5.4	kW	T _j = + 7 °C
Degradation co-efficient (**)	C _{dh}	0.98	-	
T _j = +12 °C	P _{dh}	4.5	kW	T _j = +12 °C
Degradation co-efficient (**)	C _{dh}	0.97	-	
T _j = bivalent temperature	P _{dh}	10.0	kW	T _j = bivalent terr
T _j = operation limit temperature	P _{dh}	7.7	kW	T _j = operation lir
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if T
Bivalent temperature	T _{biv}	-10	°C	Operation limit
Reference design conditions for space heating	T _{designh}	-10	°C	Heating water op temperature
Power consumption in modes other than active mode				Supplementary h



Model(s):	Outdoor unit:	PUD-SHWM100
	Indoor unit:	EHST20D-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		medium-tempera
Parameters for		colder climate co

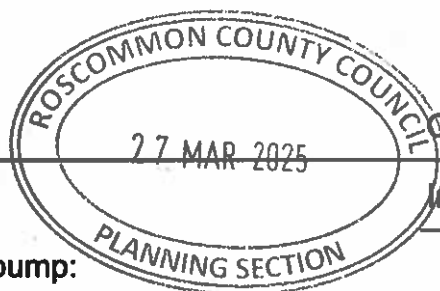
Item	Symbol	Value	Unit	It
Rated heat output (*)	Prated	10.0	kW	Seasonal spa energy efficien
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient part load at indoor
T _j = - 7 °C	P _{dh}	6.1	kW	T _j = - 7 °C
Degradation co-efficient (**)	C _{dh}	0.99	-	
T _j = + 2 °C	P _{dh}	3.7	kW	T _j = + 2 °C
Degradation co-efficient (**)	C _{dh}	0.98	-	
T _j = + 7 °C	P _{dh}	3.8	kW	T _j = + 7 °C
Degradation co-efficient (**)	C _{dh}	0.98	-	
T _j = +12 °C	P _{dh}	4.4	kW	T _j = +12 °C
Degradation co-efficient (**)	C _{dh}	0.97	-	
T _j = bivalent temperature	P _{dh}	8.4	kW	T _j = bivalent tem
T _j = operation limit temperature	P _{dh}	7.7	kW	T _j = operation lir
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	8.5	kW	T _j = - 15 °C (if T
Bivalent temperature	T _{biv}	-16	°C	Operation limit
Reference design conditions for space heating	T _{designh}	-22	°C	Heating water op temperature
Power consumption in modes other than active mode				Supplementary he



Model(s):	Outdoor unit:	PUD-SHWM100
	Indoor unit:	EHST20D-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		low-temperature
Parameters for		colder climate co

Item	Symbol	Value	Unit	It
Rated heat output (*)	Prated	10.0	kW	Seasonal spa energy efficien
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient part load at indoor
T _j = - 7 °C	P _{dh}	6.2	kW	T _j = - 7 °C
Degradation co-efficient (**)	C _{dh}	0.99	-	
T _j = + 2 °C	P _{dh}	3.9	kW	T _j = + 2 °C
Degradation co-efficient (**)	C _{dh}	0.98	-	
T _j = + 7 °C	P _{dh}	3.9	kW	T _j = + 7 °C
Degradation co-efficient (**)	C _{dh}	0.97	-	
T _j = +12 °C	P _{dh}	4.5	kW	T _j = +12 °C
Degradation co-efficient (**)	C _{dh}	0.97	-	
T _j = bivalent temperature	P _{dh}	8.4	kW	T _j = bivalent tem
T _j = operation limit temperature	P _{dh}	7.7	kW	T _j = operation lir
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	8.5	kW	T _j = - 15 °C (if T
Bivalent temperature	T _{biv}	-16	°C	Operation limit
Reference design conditions for space heating	T _{designh}	-22	°C	Heating water op temperature
Power consumption in modes other than active mode				Supplementary he

Model(s):



Outdoor unit:

PUD-SHWM100

Indoor unit:

EHST20D-MED

Air-to-water heat pump:

yes

Water-to-water heat pump:

no

Brine-to-water heat pump:

no

Low-temperature heat pump:

no

Equipped with a supplementary heater:

no

Heat pump combination heater:

yes

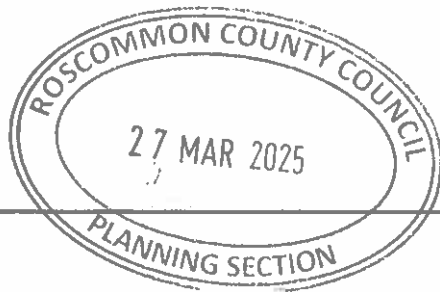
Parameters for

medium-tempera

Parameters for

warmer climate c

Item	Symbol	Value	Unit	It
Rated heat output (*)	Prated	10.0	kW	Seasonal spa energy efficien
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient part load at indoor
T _j = - 7 °C	P _d h	-	kW	T _j = - 7 °C
Degradation co-efficient (**)	C _d h	-	-	
T _j = + 2 °C	P _d h	10.0	kW	T _j = + 2 °C
Degradation co-efficient (**)	C _d h	0.99	-	
T _j = + 7 °C	P _d h	6.4	kW	T _j = + 7 °C
Degradation co-efficient (**)	C _d h	0.99	-	
T _j = +12 °C	P _d h	4.2	kW	T _j = +12 °C
Degradation co-efficient (**)	C _d h	0.98	-	
T _j = bivalent temperature	P _d h	10.0	kW	T _j = bivalent tem
T _j = operation limit temperature	P _d h	7.7	kW	T _j = operation lir
T _j = - 15 °C (if TOL < - 20 °C)	P _d h	-	kW	T _j = - 15 °C (if T
Bivalent temperature	T _b iv	2	°C	Operation limit
Reference design conditions for space heating	T _d esignh	2	°C	Heating water op temperature
Power consumption in modes other than active mode				Supplementary he



Model(s):

Outdoor unit:

PUD-SHWM100

Indoor unit:

EHST20D-MED

Air-to-water heat pump:

yes

Water-to-water heat pump:

no

Brine-to-water heat pump:

no

Low-temperature heat pump:

no

Equipped with a supplementary heater:

no

Heat pump combination heater:

yes

Parameters for

low-temperature

Parameters for

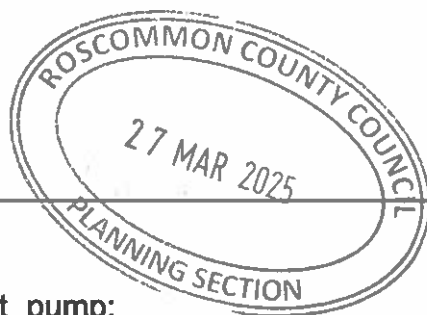
warmer climate

Item	Symbol	Value	Unit	It
Rated heat output (*)	Prated	10.0	kW	Seasonal spa energy efficien
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient part load at indoor
T _j = - 7 °C	P _{dh}	-	kW	T _j = - 7 °C
Degradation co-efficient (**)	C _{dh}	-	-	
T _j = + 2 °C	P _{dh}	10.0	kW	T _j = + 2 °C
Degradation co-efficient (**)	C _{dh}	0.99	-	
T _j = + 7 °C	P _{dh}	6.4	kW	T _j = + 7 °C
Degradation co-efficient (**)	C _{dh}	0.98	-	
T _j = +12 °C	P _{dh}	4.4	kW	T _j = +12 °C
Degradation co-efficient (**)	C _{dh}	0.97	-	
T _j = bivalent temperature	P _{dh}	10.0	kW	T _j = bivalent terr
T _j = operation limit temperature	P _{dh}	7.7	kW	T _j = operation lir
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if T
Bivalent temperature	T _{biv}	2	°C	Operation limit
Reference design conditions for space heating	T _{designh}	2	°C	Heating water op temperature
Power consumption in modes other than active mode				Supplementary he



Model(s):	Outdoor unit:	PUD-SHWM100
	Indoor unit:	ERST20D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-tempera
Parameters for		average climate

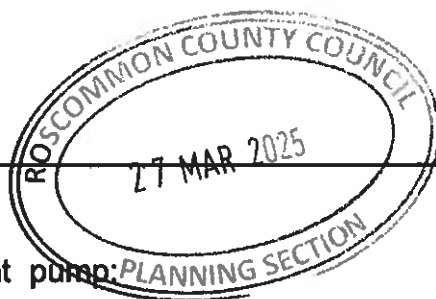
Item	Symbol	Value	Unit	It
Rated heat output (*)	Prated	10.0	kW	Seasonal spa energy efficien
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient part load at indoor
T _j = - 7 °C	P _{dh}	8.9	kW	T _j = - 7 °C
Degradation co-efficient (**)	C _{dh}	0.99	-	
T _j = + 2 °C	P _{dh}	5.4	kW	T _j = + 2 °C
Degradation co-efficient (**)	C _{dh}	0.99	-	
T _j = + 7 °C	P _{dh}	5.2	kW	T _j = + 7 °C
Degradation co-efficient (**)	C _{dh}	0.98	-	
T _j = +12 °C	P _{dh}	3.6	kW	T _j = +12 °C
Degradation co-efficient (**)	C _{dh}	0.97	-	
T _j = bivalent temperature	P _{dh}	10.0	kW	T _j = bivalent tem
T _j = operation limit temperature	P _{dh}	7.7	kW	T _j = operation lir
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if T
Bivalent temperature	T _{biv}	-10	°C	Operation limit
Reference design conditions for space heating	T _{designh}	-10	°C	Heating water op temperature
Power consumption in modes other than active mode				Supplementary he



Model(s):	Outdoor unit:	PUD-SHWM100
	Indoor unit:	ERST20D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature
Parameters for		average climate

Item	Symbol	Value	Unit	It
Rated heat output (*)	Prated	10.0	kW	Seasonal spa energy efficien
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient part load at indoor
T _j = - 7 °C	P _{dh}	8.9	kW	T _j = - 7 °C
Degradation co-efficient (**)	C _{dh}	0.99	-	
T _j = + 2 °C	P _{dh}	5.7	kW	T _j = + 2 °C
Degradation co-efficient (**)	C _{dh}	0.98	-	
T _j = + 7 °C	P _{dh}	5.4	kW	T _j = + 7 °C
Degradation co-efficient (**)	C _{dh}	0.98	-	
T _j = +12 °C	P _{dh}	4.5	kW	T _j = +12 °C
Degradation co-efficient (**)	C _{dh}	0.97	-	
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T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if T
Bivalent temperature	T _{biv}	-10	°C	Operation limit
Reference design conditions for space heating	T _{designh}	-10	°C	Heating water op temperature
Power consumption in modes other than active mode				Supplementary he

Model(s):



Outdoor unit:

PUD-SHWM100

Indoor unit:

ERST20D-****D

Air-to-water heat pump:

yes

Water-to-water heat pump:

no

Brine-to-water heat pump:

no

Low-temperature heat pump:

no

Equipped with a supplementary heater:

yes

Heat pump combination heater:

yes

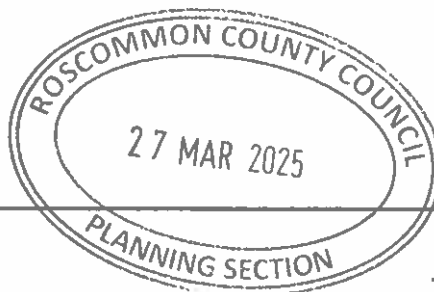
Parameters for

medium-tempera

Parameters for

colder climate co

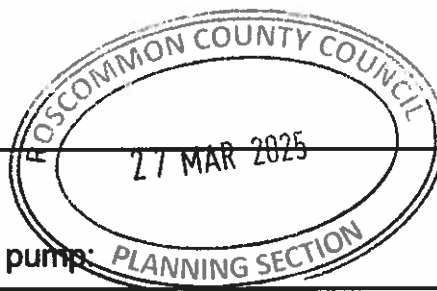
Item	Symbol	Value	Unit	It
Rated heat output (*)	Prated	10.0	kW	Seasonal spa energy efficien
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient part load at indoor
T _j = - 7 °C	P _{dh}	6.1	kW	T _j = - 7 °C
Degradation co-efficient (**)	C _{dh}	0.99	-	
T _j = + 2 °C	P _{dh}	3.7	kW	T _j = + 2 °C
Degradation co-efficient (**)	C _{dh}	0.98	-	
T _j = + 7 °C	P _{dh}	3.8	kW	T _j = + 7 °C
Degradation co-efficient (**)	C _{dh}	0.98	-	
T _j = +12 °C	P _{dh}	4.4	kW	T _j = +12 °C
Degradation co-efficient (**)	C _{dh}	0.97	-	
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T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	8.5	kW	T _j = - 15 °C (if T
Bivalent temperature	T _{biv}	-16	°C	Operation limit
Reference design conditions for space heating	T _{designh}	-22	°C	Heating water op temperature
Power consumption in modes other than active mode				Supplementary he



Model(s):	Outdoor unit:	PUD-SHWM100
	Indoor unit:	ERST20D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature
Parameters for		colder climate co

Item	Symbol	Value	Unit	It
Rated heat output (*)	Prated	10.0	kW	Seasonal spa energy efficien
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient part load at indoor
T _j = - 7 °C	P _{dh}	6.2	kW	T _j = - 7 °C
Degradation co-efficient (**)	C _{dh}	0.99	-	
T _j = + 2 °C	P _{dh}	3.9	kW	T _j = + 2 °C
Degradation co-efficient (**)	C _{dh}	0.98	-	
T _j = + 7 °C	P _{dh}	3.9	kW	T _j = + 7 °C
Degradation co-efficient (**)	C _{dh}	0.97	-	
T _j = +12 °C	P _{dh}	4.5	kW	T _j = +12 °C
Degradation co-efficient (**)	C _{dh}	0.97	-	
T _j = bivalent temperature	P _{dh}	8.4	kW	T _j = bivalent tem
T _j = operation limit temperature	P _{dh}	7.7	kW	T _j = operation lir
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	8.5	kW	T _j = - 15 °C (if T
Bivalent temperature	T _{biv}	-16	°C	Operation limit
Reference design conditions for space heating	T _{designh}	-22	°C	Heating water op temperature
Power consumption in modes other than active mode				Supplementary he

Model(s):



Outdoor unit:

PUD-SHWM100

Indoor unit:

ERST20D-****D

Air-to-water heat pump:

yes

Water-to-water heat pump:

no

Brine-to-water heat pump:

no

Low-temperature heat pump:

no

Equipped with a supplementary heater:

yes

Heat pump combination heater:

yes

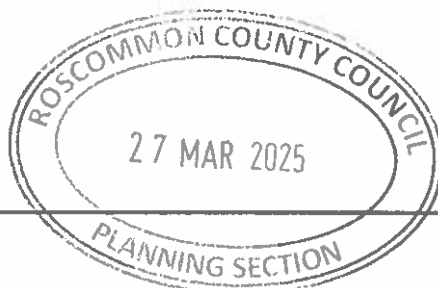
Parameters for

medium-tempera

Parameters for

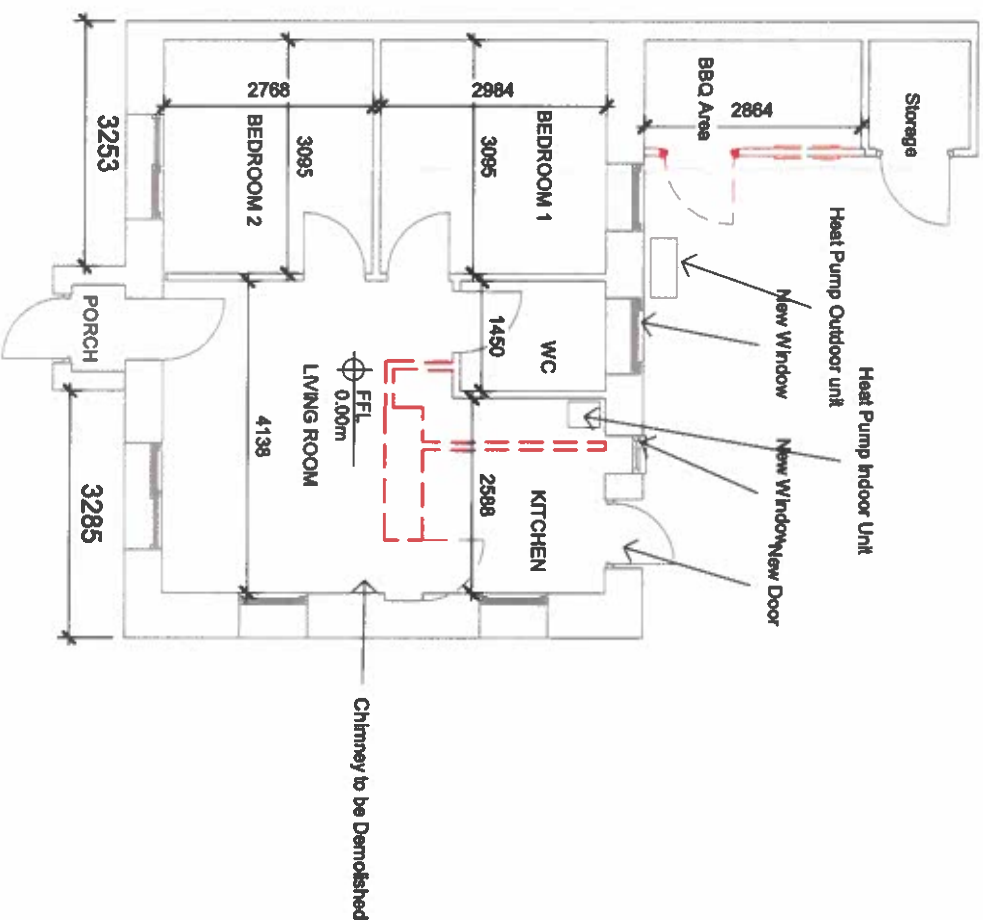
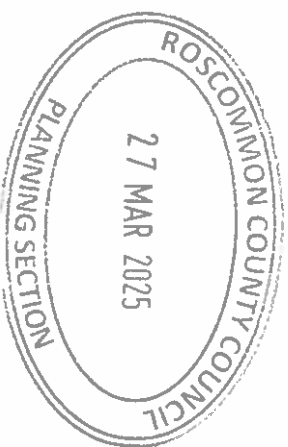
warmer climate c

Item	Symbol	Value	Unit	It
Rated heat output (*)	Prated	10.0	kW	Seasonal spa energy efficien
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient part load at indoor
T _j = - 7 °C	P _{dh}	-	kW	T _j = - 7 °C
Degradation co-efficient (**)	C _{dh}	-	-	
T _j = + 2 °C	P _{dh}	10.0	kW	T _j = + 2 °C
Degradation co-efficient (**)	C _{dh}	0.99	-	
T _j = + 7 °C	P _{dh}	6.4	kW	T _j = + 7 °C
Degradation co-efficient (**)	C _{dh}	0.99	-	
T _j = +12 °C	P _{dh}	4.2	kW	T _j = +12 °C
Degradation co-efficient (**)	C _{dh}	0.98	-	
T _j = bivalent temperature	P _{dh}	10.0	kW	T _j = bivalent tem
T _j = operation limit temperature	P _{dh}	7.7	kW	T _j = operation lir
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if T
Bivalent temperature	T _{biv}	2	°C	Operation limit
Reference design conditions for space heating	T _{designh}	2	°C	Heating water op temperature
Power consumption in modes other than active mode				Supplementary he



Model(s):	Outdoor unit:	PUD-SHWM100
	Indoor unit:	ERST20D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature
Parameters for		warmer climate

Item	Symbol	Value	Unit	It
Rated heat output (*)	Prated	10.0	kW	Seasonal spa energy efficien
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient part load at indoor
T _j = - 7 °C	P _d h	-	kW	T _j = - 7 °C
Degradation co-efficient (**)	C _d h	-	-	
T _j = + 2 °C	P _d h	10.0	kW	T _j = + 2 °C
Degradation co-efficient (**)	C _d h	0.99	-	
T _j = + 7 °C	P _d h	6.4	kW	T _j = + 7 °C
Degradation co-efficient (**)	C _d h	0.98	-	
T _j = +12 °C	P _d h	4.4	kW	T _j = +12 °C
Degradation co-efficient (**)	C _d h	0.97	-	
T _j = bivalent temperature	P _d h	10.0	kW	T _j = bivalent terr
T _j = operation limit temperature	P _d h	7.7	kW	T _j = operation lir
T _j = - 15 °C (if TOL < - 20 °C)	P _d h	-	kW	T _j = - 15 °C (if T
Bivalent temperature	T _b iv	2	°C	Operation limit
Reference design conditions for space heating	T _d esignh	2	°C	Heating water op temperature
Power consumption in modes other than active mode				Supplementary he



01 Existing Floor Plans

1
1 : 100

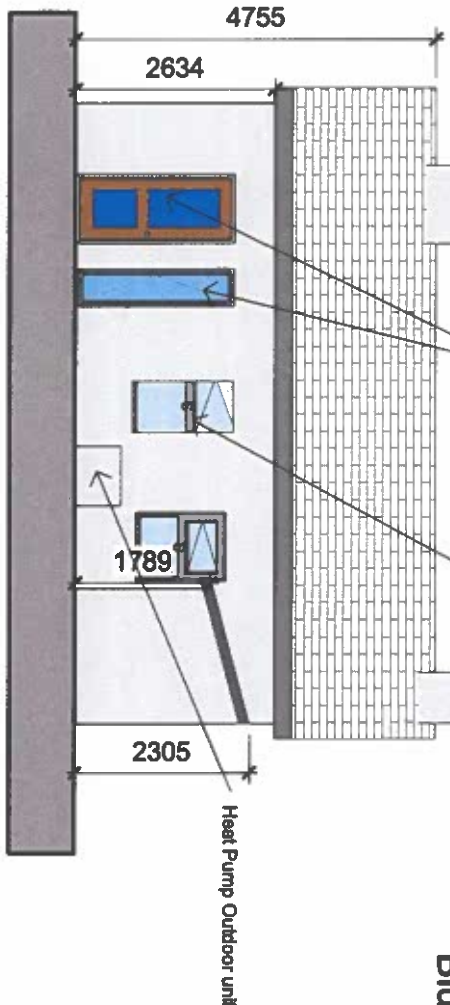


Client Details		Project Details		Drawing Information	
CLIENT	Alan Cooney	108	Cart of Exemption	108	25-038
SITE	Moynihan Road, Boyle, Co. Roscommon	DRAWING	Proposed Floor Plans	DATE	31/1/25
		SCALE	1:100	KEY	A

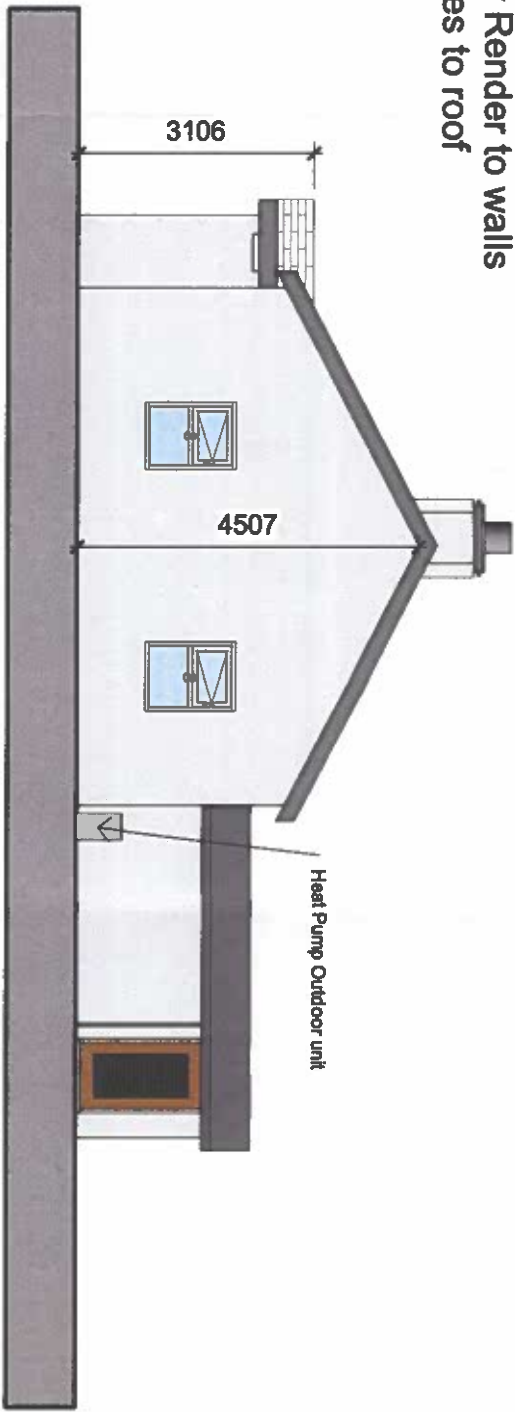
False Chimney Externally

New Windows & Doors

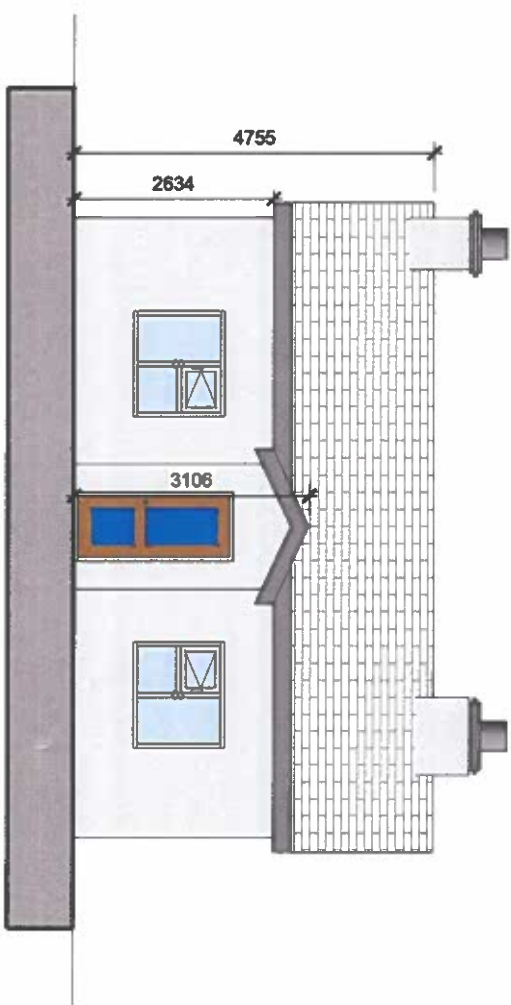
Napped Plaster Render to walls
Blue/Black Slates to roof



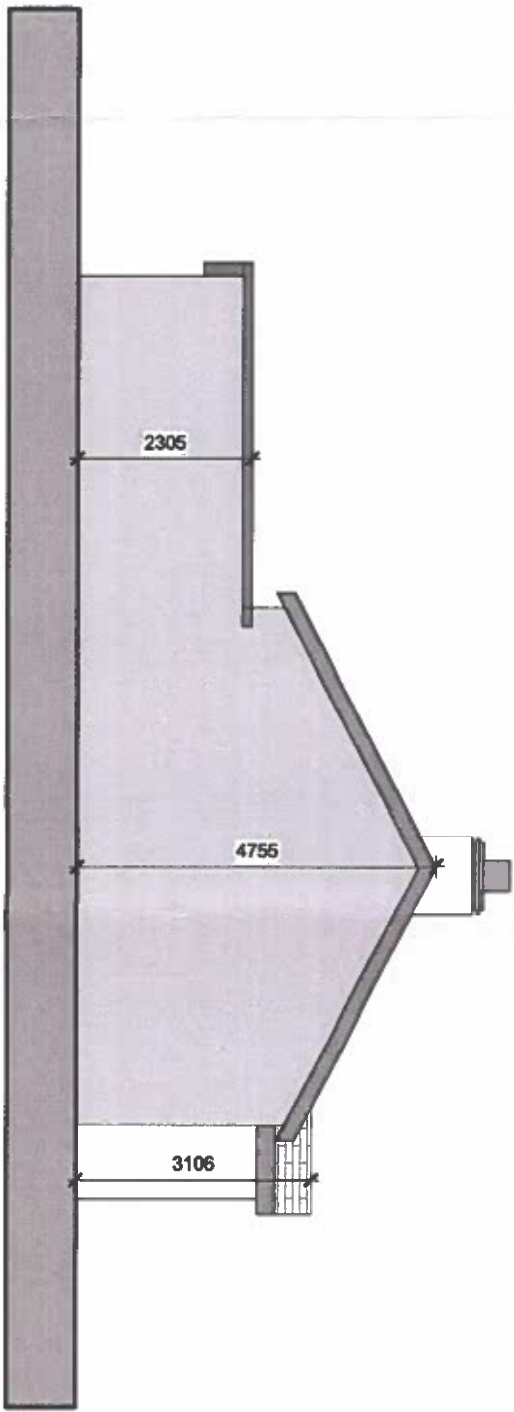
01 North
1:100



02 East
1:100

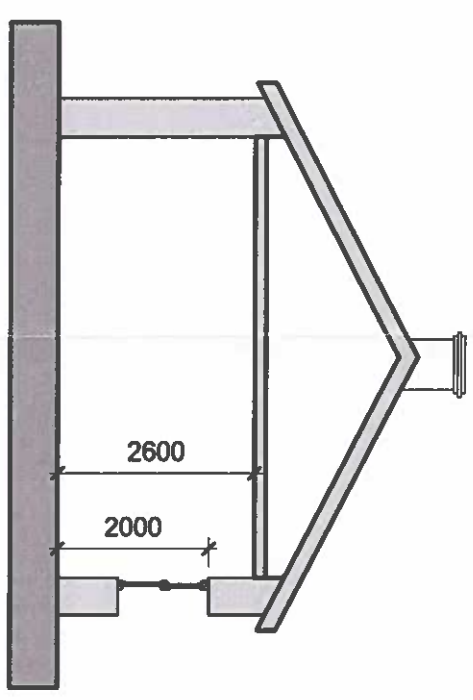
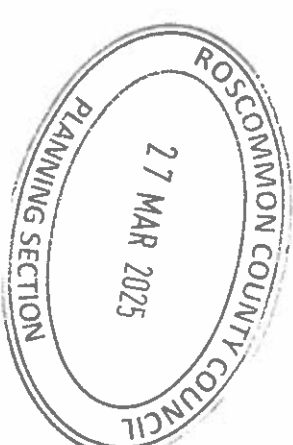


03 South
1:100



04 West
1:100





1 Section 1
1 : 100

Client Requirements & Architectural Design		Site & Planning Information		Project Details	
CLIENT	Alan Cooney	JOB	Cart of Exemption	JOB No	25-038
SITE	Moatynas Road, Boyle, Co. Roscommon	DRAWING	Section	DRAWING No	005
		SCALE	1:100	DATE	31/1/25
				BY	A
				CHECKED BY	Not Signed



Comhairle Contae
Ros Comáin
Roscommon
County Council



Alan Cooney,



Date: 25th March, 2025
Reference: DED 841

Re: Application for a Declaration under Section 5 of the Planning & Development Act 2000 (as amended), regarding Exempted Development.

Development: WHEREAS a question has arisen as to whether the refurbishment of a derelict house, with works including; 1) demolish internal walls; 2) strip out walls, floors & ceilings; 3) install new ceiling joists and internal stud work, plasterboard & skim; 4) re-wire the entire property; 5) re-plumb the entire property; 6) create at 2 no. new window opens & 1 no. new door open to rear; 7) install new uPVC windows (white) & doors; 8) re-slate the roof; 9) second fix carpentry, paint & decorate internally; 10) upgrade plumbing/heating system; 11) upgrade electrical system & 12) install new floors at Mocmoyne Road, Boyle, Co. Roscommon, F52 D653, is or is not development and is or is not exempted development.

A Chara,

Further to your application received on the 11th February, 2025 and in order for the Planning Authority to determine as to whether the refurbishment of a derelict house, with works including 1) demolish internal walls; 2) strip out walls, floors & ceilings; 3) install new ceiling joists and internal stud work, plasterboard & skim; 4) re-wire the entire property; 5) re-plumb the entire property; 6) create at 2 no. new window opens & 1 no. new door open to rear; 7) install new uPVC windows (white) & doors; 8) re-slate the roof; 9) second fix carpentry, paint & decorate internally; 10) upgrade plumbing/heating system; 11) upgrade electrical system & 12) install new floors at the above address is or is not development and is or is not exempted development, you are requested to submit the following further information:

- i. Please clarify if any part of the proposed central heating system is to be placed on the exterior of the dwelling, if so please provide a scaled plan and elevation drawing indicating the proposed location and a data sheet/specification of same.

Consideration of your application is being deferred pending compliance with this request for further information. When replying please quote Planning Reference Number **DED 841**

Note: Replies to this communication must be by way of original documents.

Mise le meas,

Alan O'Connell,
A/Senior Planner,
Planning.

cc agent via email: James Lohan Consulting Engineers
james@jlce.ie

**Planner's Report on application under
Section 5 of the Planning and Development Act 2000 (as amended)**

Reference Number:	DED 841
Re:	Permission to refurbish derelict house, with works including 1) demolish internal walls; 2) strip out walls, floors & ceilings; 3) install new ceiling joists and internal stud work, plasterboard & skim; 4) re-wire the entire property; 5) re-plumb the entire property; 6) create at 2 no. new window opens & 1 no. new door open to rear; 7) install new uPVC windows (white) & doors; 8) re-slate the roof; 9) second fix carpentry, paint & decorate internally; 10) upgrade plumbing/heating system; 11) upgrade electrical system & 12) install new floors under the Planning and Development Act (Exempted Development) Regulations 2018
Name of Applicant:	Alan Cooney
Location of Development:	Mocmoyne Road, Boyle, Co. Roscommon, F52 D653
Site Visit:	10/03/2025

WHEREAS a question has arisen as to whether the following works to refurbish derelict house, with works including 1) demolish internal walls; 2) strip out walls, floors & ceilings; 3) install new ceiling joists and internal stud work, plasterboard & skim; 4) re-wire the entire property; 5) re-plumb the entire property; 6) create at 2 no. new window opens & 1 no. new door open to rear; 7) install new uPVC windows (white) & doors; 8) re-slate the roof; 9) second fix carpentry, paint & decorate internally; 10) upgrade plumbing/heating system; 11) upgrade electrical system & 12) install new floors **at the above address is or is not development and is or is not exempted development.**

I have considered this question, and I have had regard particularly to –

- (a) Sections 2, 3, 4 and 5 of the Planning and Development Act, 2000, as amended
- (b) Articles 6 and 9 of the Planning and Development Regulations, 2001, as amended
- (c) The record forwarded to Roscommon County Council in accordance with subsection (6)(c) of Section 5 of the Planning and Development Acts 2000 as amended.
- (d) The planning history of the site

Site Location & Development Description

The site consists of a single storey dwelling with a small domestic garage to the rear, and is accessed off the R 294 Regional Road, approximately 670m west of Boyle Town Centre. The proposed development consists of refurbishing an existing dwelling including internal works, install new window and door openings to the rear of the dwelling, and re-slating the roof.

There are no European designated sites in, adjoining or in close proximity to the subject site. There is no known heritage related sites/structures in very close proximity to the subject site, as per the Roscommon County Council GIS.

Archaeological and Cultural Heritage

No RMP recorded in the likely zone of influence of the proposed development. No Protected structures or structures listed in the National Inventory of Architectural Heritage in the likely zone of influence of the proposed development.

Appropriate Assessment

The closest European site to the proposed development is Lough Gara SPA (Site Code: 004048) which is located circa 5.5km to the south west of the subject site.

Having regard to the separation distance between the site and the closest Natura 2000 site and the nature of the proposal, there is no real likelihood of significant effects on the conservation objectives of these or other European sites arising from the proposed development. The need for further Appropriate Assessment can, therefore, be excluded.

Planning History

As per the Roscommon County Council's Planning Registry, no recent planning history traced to the site

UDR 2037: An Enforcement File was opened relating to Alleged Unauthorised Development consisting of use of a garage within the curtilage of a dwelling house at Mockmoyne Townland, Boyle, Co Roscommon. No action was taken on this file since December 2013. Following site inspections in 2013 it had been reported that there was no evidence of unauthorised development. The case has been placed on hold in 2013 pending further evidence of unauthorised development.

Relevant statutory provisions

Planning and Development Acts 2000 (as amended)

Section 2. -(1)

"works" includes any act or operation of construction, excavation, demolition, extension, alteration, repair or renewal and, in relation to a protected structure or proposed protected structure, includes any act or operation involving the application or removal of plaster, paint, wallpaper, tiles or other material to or from the surfaces of the interior or exterior of a structure.

Section 3. -(1)

In this Act, "development" means, except where the context otherwise requires, the carrying out of any works on, in, over or under land or the making of any material change in the use of any structures or other land.

Section 4(1) of the Act defines certain types of development as being 'exempted development'. Of potential relevance is section 4(1)(h) which provides as follows:

development consisting of the carrying out of works for the maintenance, improvement or other alteration of any structure, being works which affect only the interior of the structure or which do not materially affect the external appearance of the structure so as to render the appearance inconsistent with the character of the structure or of neighbouring structures;

Section 4 (2) of the Planning and Development Act provides that the Minister, by regulations, provide for any class of development to be exempted development. The principal regulations made under this provision are the Planning and Development Regulations.

Planning and Development Regulations, 2001 as amended

Article 6 (1)

Subject to article 9, development of a class specified in column 1 of Part 3 of Schedule 2 shall be exempted development for the purposes of the Act, provided that such development complies with the conditions and limitations specified in column 2 of the said Part 3 opposite the mention of that class in the said column 1.

Article 9 (1) applies;

Development to which article 6 relates shall not be exempted development for the purposes of the Act

viiB) comprise development in relation to which a planning authority or an Bord Pleanála is the competent authority in relation to appropriate assessment and the development would require an appropriate assessment because it would be likely to have a significant effect on the integrity of a European site,

Assessment

In accordance with the Planning and Development Act, 2000, as amended Section 3. (1) development is defined as the following: "In this Act, "development" means, except where the context otherwise requires, the carrying out of any works on, in, over or under land or the making of any material change in the use of any structures or other land". The proposed development is considered to be the carrying out of works. Works are defined in the Act as; "works" includes any act or operation of construction, excavation, demolition, extension, alteration, repair or renewal and, in relation to a protected structure....". It is considered that said works constitute development, as defined in Section 3 of the said Act.

The stated works for renovating the existing dwelling house include:

- Demolish internal walls
- Strip out walls, floors and ceilings

- Install new ceiling joists and internal stud work, plasterboard and skim
- Re-wire the entire property
- Re-plumb the entire property
- Create at 2no. new window ope & 1no. new door ope to rear
- Install new uPVC windows (white) and doors
- Re-slate the roof
- Second fix carpentry and paint and decorate internally
- Upgrade plumbing/heating system
- Upgrade electrical systems
- Install new floors

These works have been considered in the context of Section 4 (1)(h) of the Act, consisting of the carrying out of works for the maintenance, improvement or other alteration of any structure, being works which affect only the interior of the structure or which do not materially affect the external appearance of the structure so as to render the appearance inconsistent with the character of the structure or of neighbouring structures.

It is noted in the application form that it is stated that renovation works include upgrading the plumbing and heating system however there has been no reference to the location of said system and if this proposed system is external. Further Information will be requested on this.

With regard to Article 9 (1)(a) of the Planning and Development Regulations 2001 (as amended), it is reasonable to conclude, on the basis of the information available, that the proposed development individually and in combination with other plans or projects would not be likely to have a significant effect on any European site and that the need for AA does not apply with respect to the current case.

I am satisfied that an Environmental Impact Statement or Appropriate Assessment are not required. It should be noted that any development for which Environmental Impact Assessment or Appropriate Assessment is required shall not be exempted development unless specifically exempted in regulations where there is provision in other legislation for the carrying out of EIA or AA. In addition, the restrictions on exemption Article 9 (1)(a) (viiB) exclude development which would otherwise be exempted development under these regulations where an AA is required.

Recommendation

Request the following further information

- Please clarify if any part of the proposed central heating system is to be placed on the exterior of the dwelling, if so please provide a scaled plan and elevation drawing indicating the proposed location and a data sheet/specification of same.

Signed:

Smith O'Grady

Graduate Planner

Date: 24th March 2025

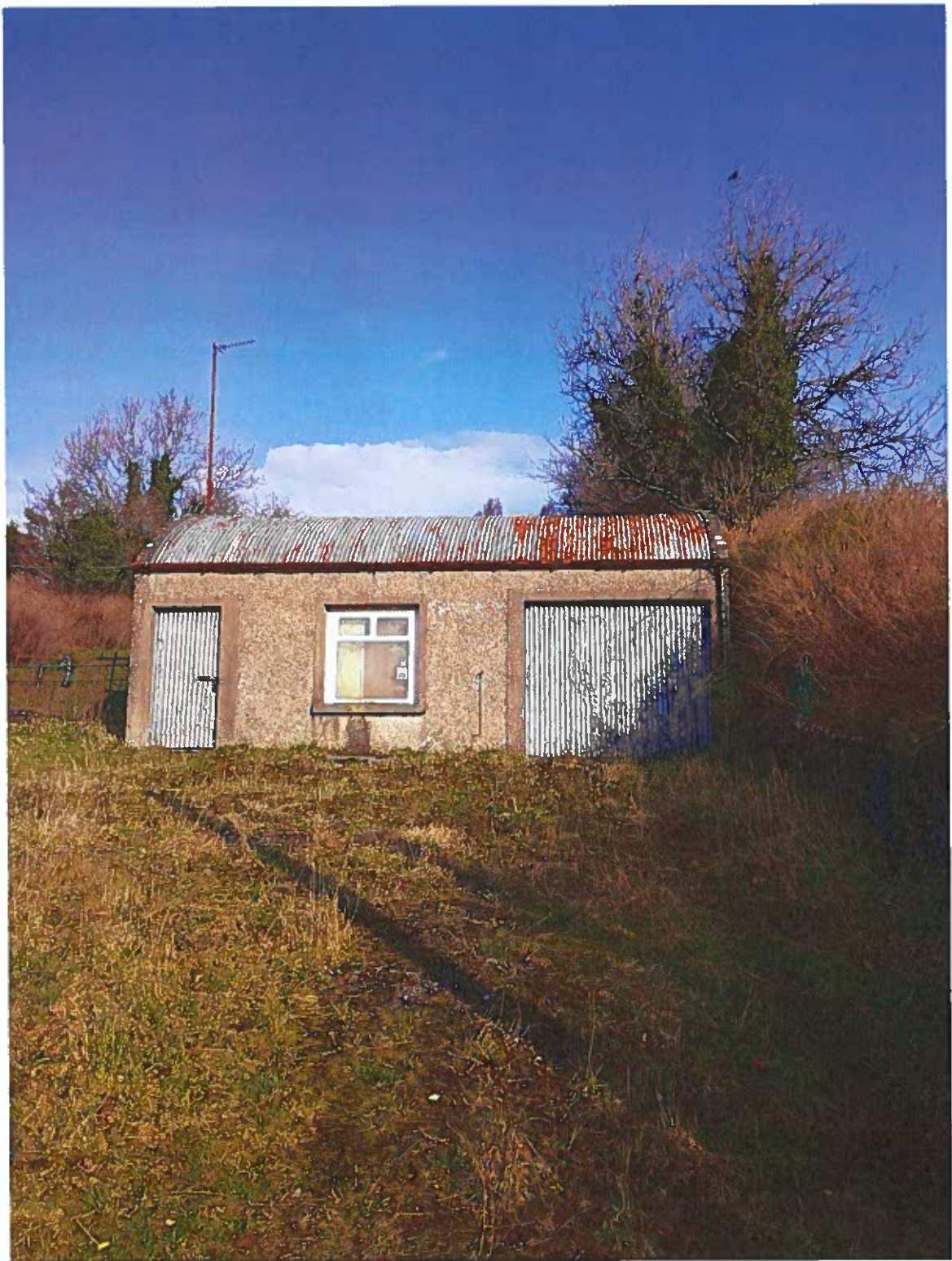
Signed:

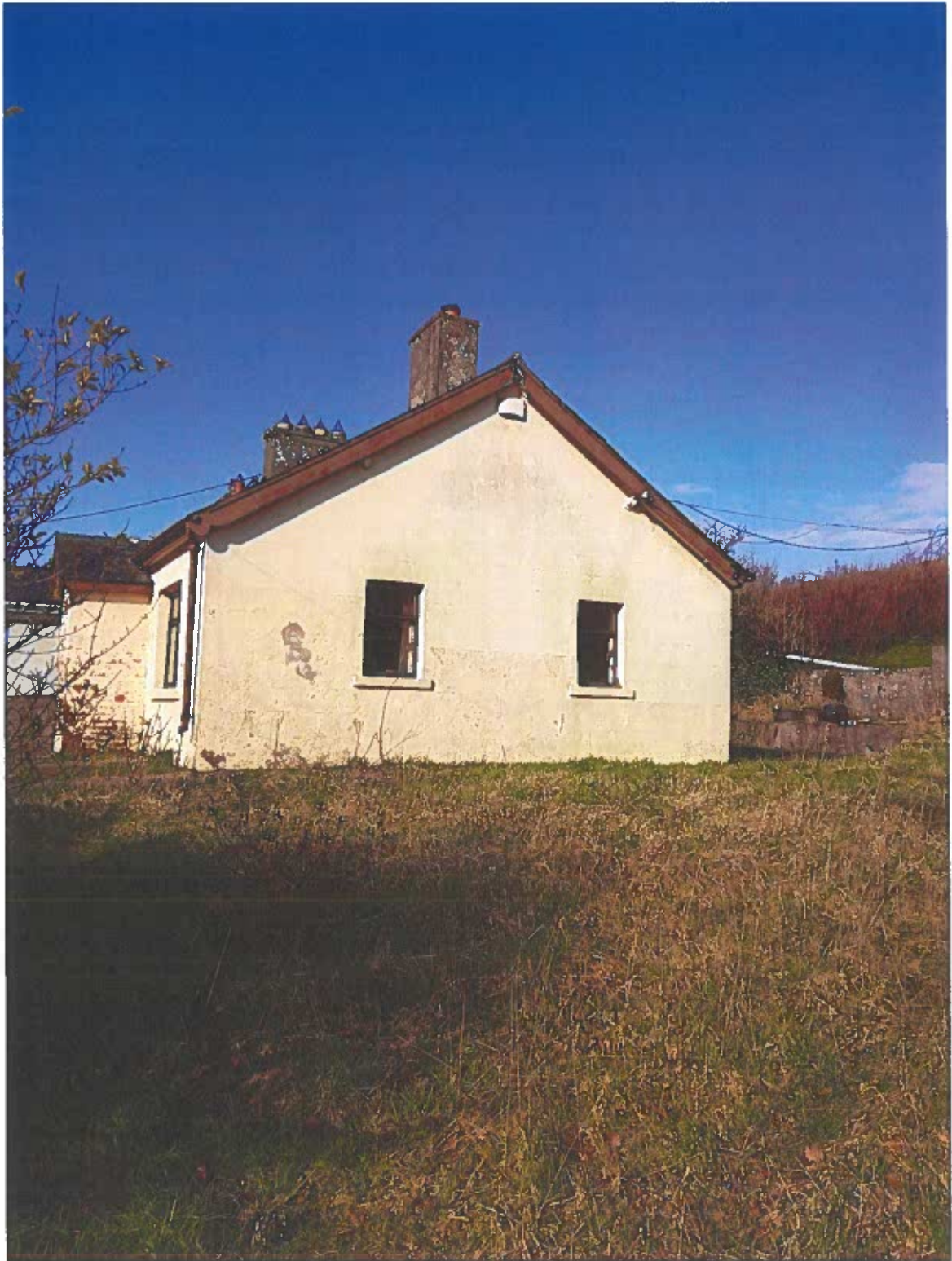


A/Senior Planner

Date: 25th Mar 2025









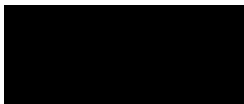




Comhairle Contae
Ros Comáin
Roscommon
County Council



Alan Cooney,



Date: 12th February, 2025
Planning Reference: DED 841

Re: Application for a Declaration under Section 5 of the Planning & Development Act 2000 (as amended), regarding Exempted Development.

Development: Permission to refurbish derelict house, with works including 1)demolish internal walls; 2)strip out walls, floors & ceilings; 3)install new ceiling joists and internal stud work, plasterboard & skim; 4)re-wire the entire property; 5)re-plumb the entire property; 6)create at 2 no. new window opes & 1 no. new door ope to rear; 7)install new UPVC windows (white) & doors; 8)re-slate the roof; 9)second fix carpentry, paint & decorate internally; 10)upgrade plumbing/heating system; 11)upgrade electrical system & 12)install new floors under the Planning & Development Act (Exempt Development) Regulations 2018 at Mocmoyne Road, Boyle, Co. Roscommon, F52 D653.

A Chara,

I wish to acknowledge receipt of your application which was received on the 11th February, 2025, for a Declaration under Section 5 of the Planning & Development Act 2000 (as amended), regarding Exempted Development along with the appropriate fee in the sum of €80.00, Receipt No. **L01/0/233033** dated 12th February, 2025, receipt enclosed herewith.

Note: Please note your Planning Reference No. is **DED 841**
This should be quoted in all correspondence and telephone queries.

Mise le meas,

Alan O'Connell,
Senior Executive Planner,
Planning Department.

cc agent via email: James Lohan Consulting Engineers
james@jlce.ie

Roscommon County Council
Aras an Chontae
Roscommon
09066 37100

12/02/2025 12:37:18

Receipt No. L01/0/233033

ALAN COONEY
C/O JAMES LOHAN CONSULTING ENGINEERS
UNIT 5 BALLYPHEASON HOUSE
CIRCULAR ROAD
ROSCOMMON

PLANNING APPLICATION FEES	80.00
GOODS	80.00
VAT Exempt/Non-vatable	
DED 841	

Total : 80.00 EUR

Tendered :
Cheque 80.00
500386

Change : 0.00

Issued By : Bernadine Duignan
From : Central Cash Office



Comhairle Contae
Ros Comáin
Roscommon
County Council

Áras an Chontae,
Roscommon,
Co. Roscommon.

Phone: (090) 6637100

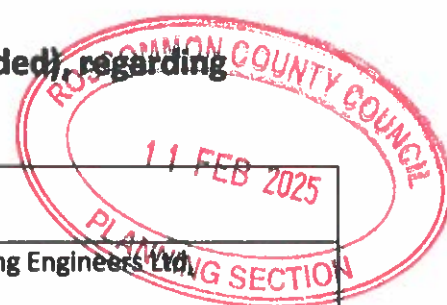
Email: planning@roscommoncoco.ie

Roscommon County Council

Application for a Declaration under Section 5 of the

Planning & Development Act 2000 (as amended), regarding Exempted Development

Name of Applicant(s)	Alan Cooney
Name of Agent	James Lohan Consulting Engineers Ltd, Unit 5, Ballypheason house, Circular road, Roscommon
Nature of Proposed Works	Refurbish derelict house in accordance with the Planning and Development Act (Exempt Development) Regulations 2018, as per the Vacant Property Refurbishment Grant Croí Cónaithe Towns Fund
Location & Address of Subject Property to include, Eircode (where applicable), Townland & O.S No.	MOCMOYNE ROAD, BOYLE, CO. ROSCOMMON, F52D653 O.S No. 1739-B & 1739-D Boyle, XY 579401,802681
Floor Area: a) Existing Structure b) Proposed Structure	a) <u>44.29 Sqm</u> b) <u>44.29 Sqm</u>
Height above ground level:	Floor level- between 1200mm above ground level (Ridge height existing 4820mm above ground level)
Total area of private open space remaining after completion of this development	0.22 Hectares
Roofing Material (Slates, Tiles, other) (Specify)	Existing tiles to roof



Roscommon County Council

Application for a Declaration under Section 5 of the

Proposed external walling (plaster, stonework, brick or other finish, giving colour)	Existing Nap Plaster
Is proposed works located at front/rear/side of existing house.	Proposed works only include renovations to existing dwelling, 2no. new windows to rear, 1no. new doors to rear, demolition of walls internally & construction of new walls internally,.
Has an application been made previously for this site	No
If yes give ref. number (include full details of existing extension, if any)	N/A
Existing use of land or structure	Existing Dwelling House
Proposed use of land or structure	Refurbish House
Distance of proposed building line from edge of roadway	5.5m from edge of existing road
Does the proposed development involve the provision of a piped water supply	Existing water mains
Does the proposed development involve the provision of sanitary facilities	Existing Public Sewer/Drain

Planning & Development Act 2000 (as amended), regarding Exempted Development

Signature:

Jack Keegan (AGENT)

Date:

06/02/2025



Note: This application must be accompanied by: -

- (a) €80 fee
- (b) Site Location map to a scale of 1:2500 clearly identifying the location
- (c) Site Layout plan to the scale of 1:500 indicating exact location of proposed development
- (d) Detailed specification of development proposed

Planning Dept,
Roscommon Co.Co.
Aras An Chontae,
Roscommon.

Detailed Specification Of The Development Proposed

Ref: Alan Cooney for Property at Mocmoyne Road, Boyle, Co. Roscommon, F52D653

The property is being stripped back to its original walls and will be renovated and put back into use as it was originally a three-bed dwelling house. The works involved are as follows:

1. Demolish internal walls.
2. Strip out walls, floors, and ceilings.
3. Install new ceiling joists and internal stud work, plasterboard, and skim.
4. Re-wire the entire property.
5. Re-plumb the entire property.
6. Create at 2no. new window opes & 1no. new door ope to rear.
7. Install new UPVC windows (white) and doors.
8. Re-slate the roof.
9. Second fix carpentry and paint and decorate internally.
10. Upgrade plumbing/heating system.
11. Upgrade electrical systems.
12. Install new floors.



Kind Regards

Jack Keegan

**James Lohan Consulting Engineer Ltd,
Unit 5, Ballypheason House, Circular Road
Roscommon F42 C982**

179152, 302847

LOCATION MAP 1:2500

179736, 302847

SITE ADDRESS:
MOCMOYNE ROAD,
BOYLE,
CO. ROSCOMMON,
F52D653

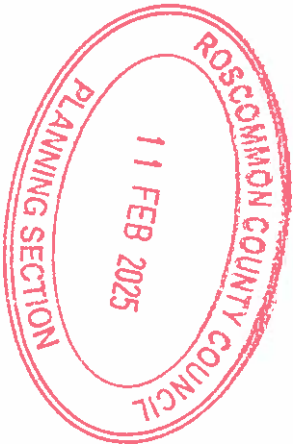
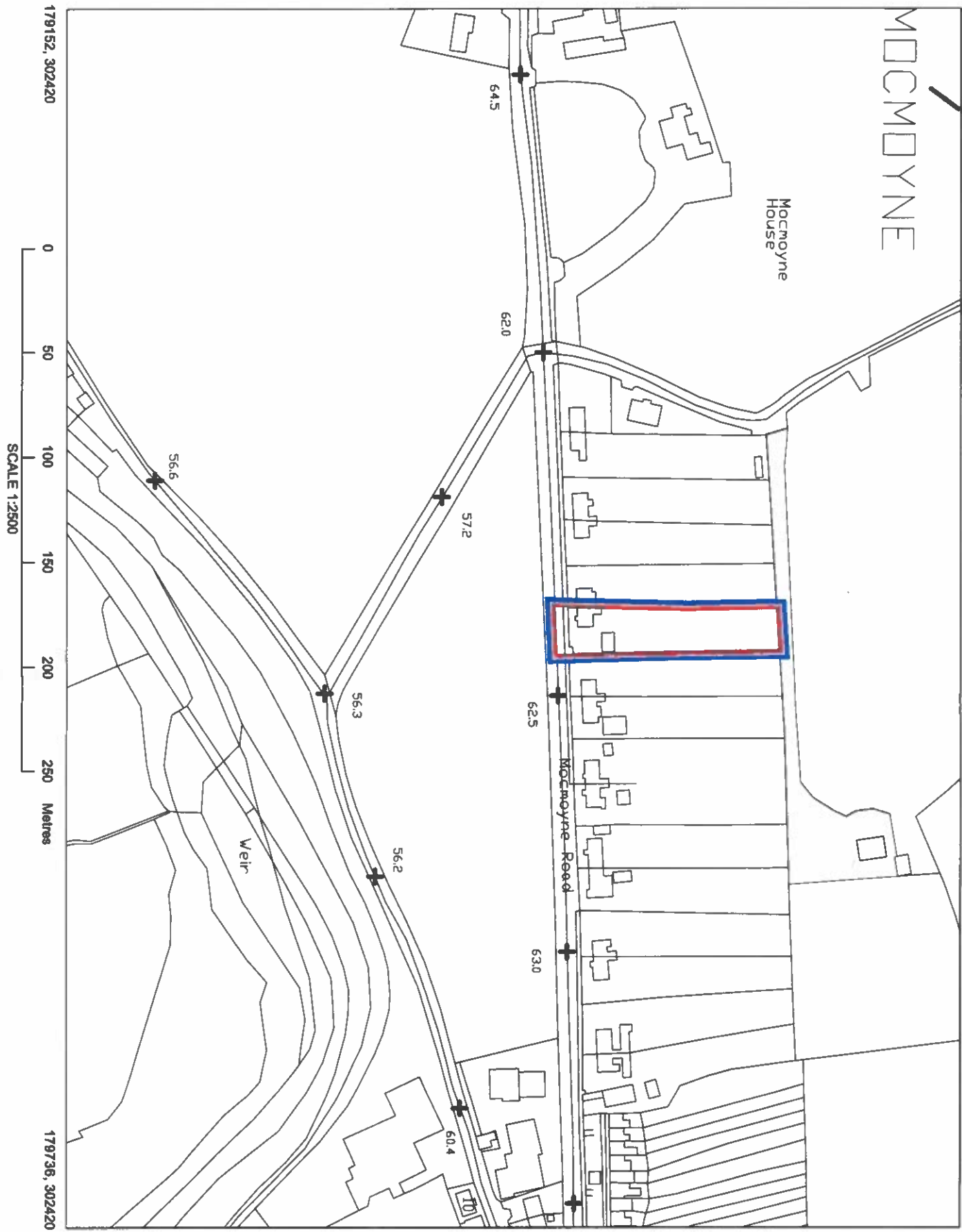
LEGEND

SITE AREA OUTLINED IN RED

= 0.22 HECTARES

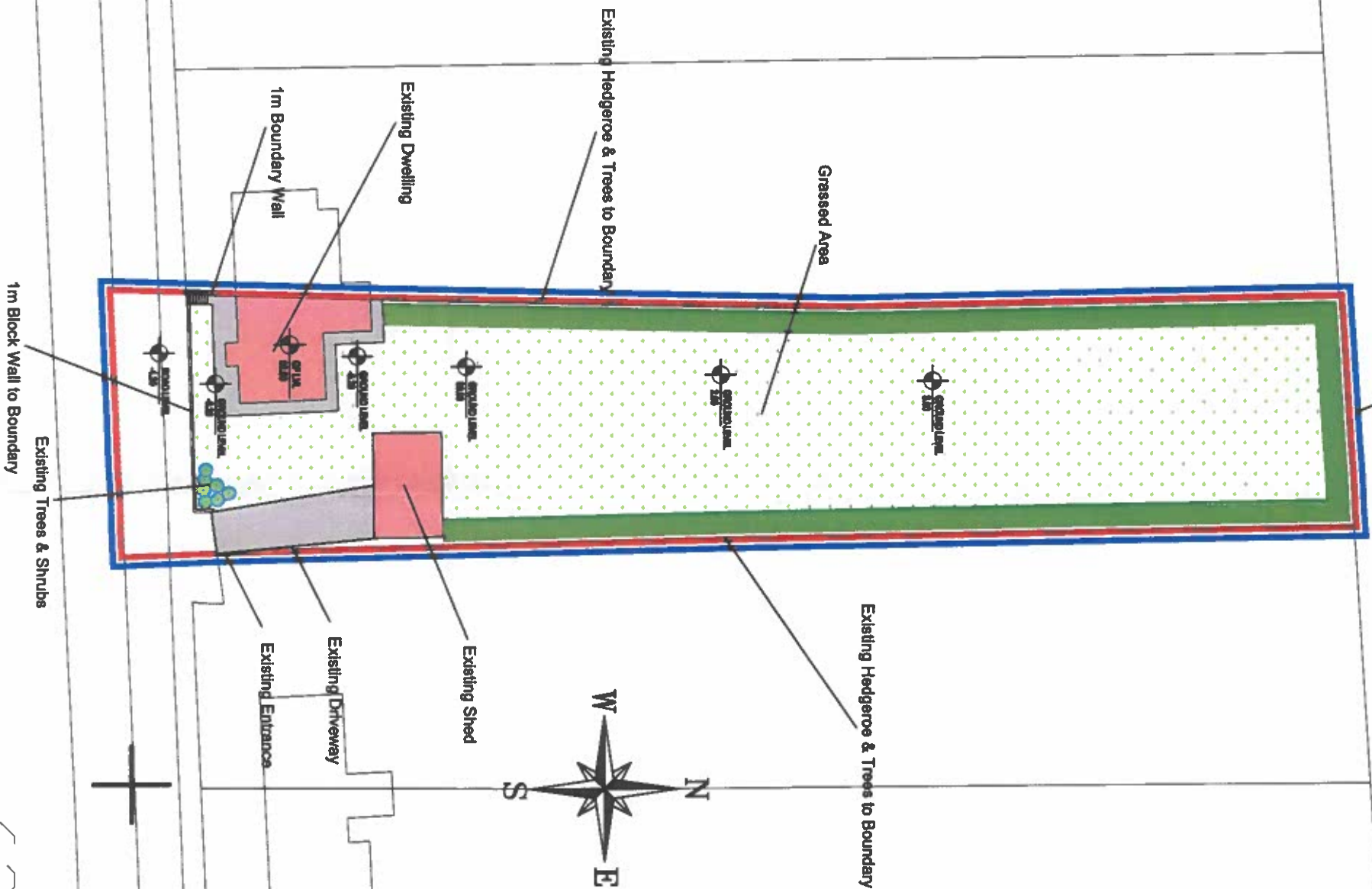
LAND HOLDING OUTLINED IN BLUE

OS ND.
RN 1739 - B&D



DO NOT SCALE FROM THIS DRAWING. WORK ONLY FROM PROVIDED DIMENSIONS.
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62.5

Mocmoyne

DO NOT SCALE FROM THIS DRAWING. WORK ONLY FROM PROVIDED DIMENSIONS.
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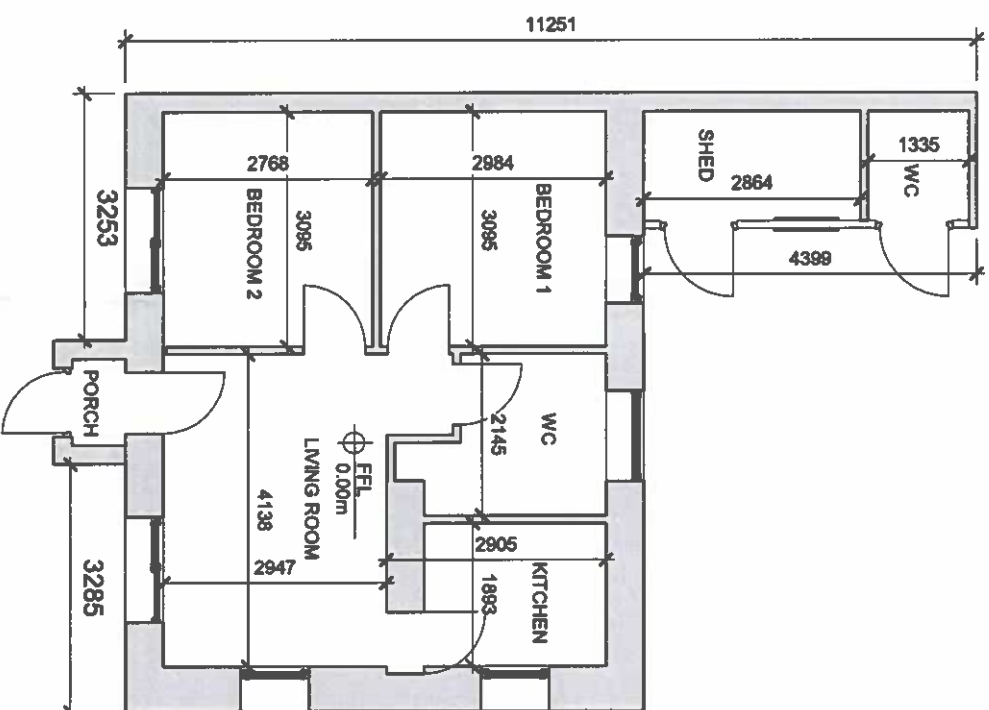
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Unit 5 Ballyphessan House
Circular Road,
Roscommon FK2 0S82.

JAMES LOHAN CONSULTING ENGINEERS

Ph: 090 6634365 / 0876220528
Email: james@jlohan.ie / oron@jlohan.ie
Web: www.jlohan.ie

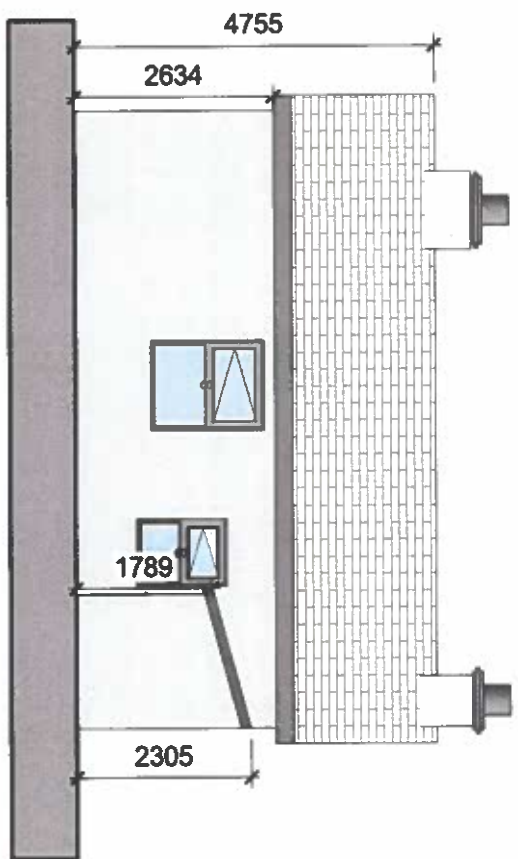
CLIENT	JOB	DATE	REV
ALAN COONEY	CERT OF EXEMPTION	25-02-2025	PA1
SITE	DRAWING	24/01/2025	REV
APPROVED FOR CONSTRUCTION	SITE LAYOUT	001	A
SCALE	1:500		



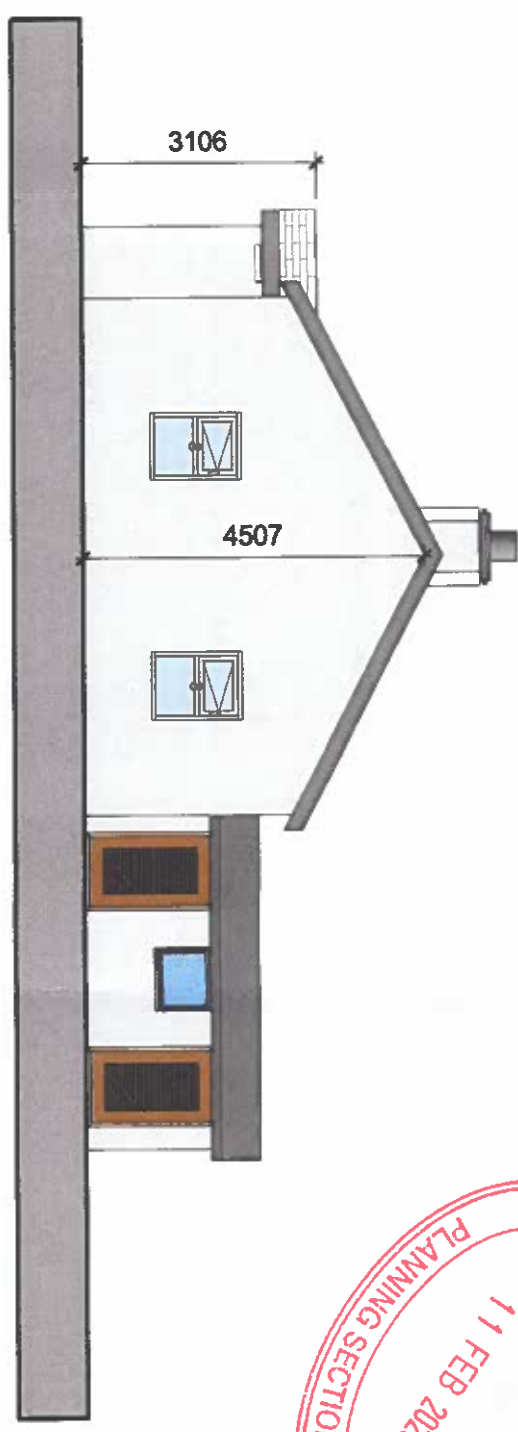
01 Existing Floor Plans

1 : 100

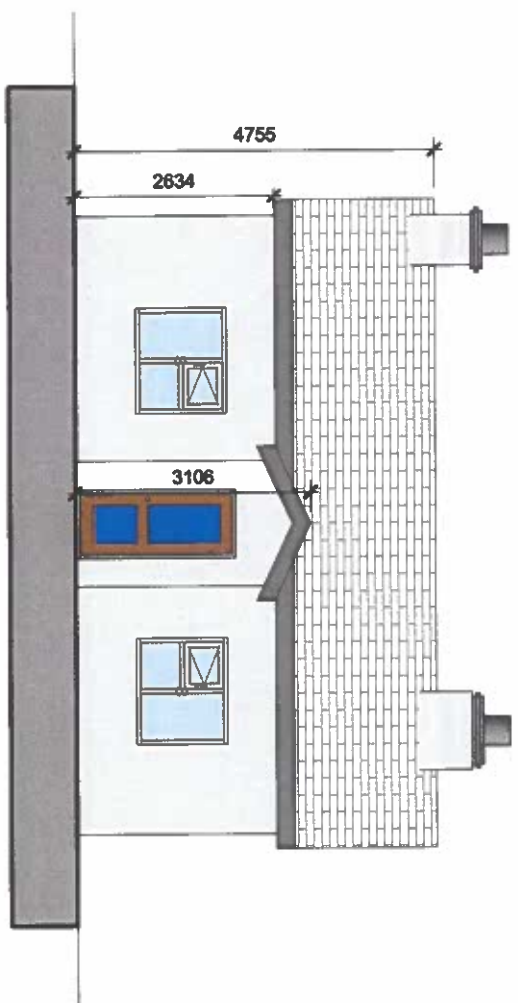
Client Information		Job Information		Drawing Information	
CLIENT	Alan Cooney	JOB	Cert of Exemption	DRAWING	EXISTING FLOOR PLANS
SITE	Macnoyne Road, Boyle, Co. Roscommon	JOB N°	25-034	DRAWING N°	003
		DATE	31/1/25	SCALE	1:100
		REV	A		



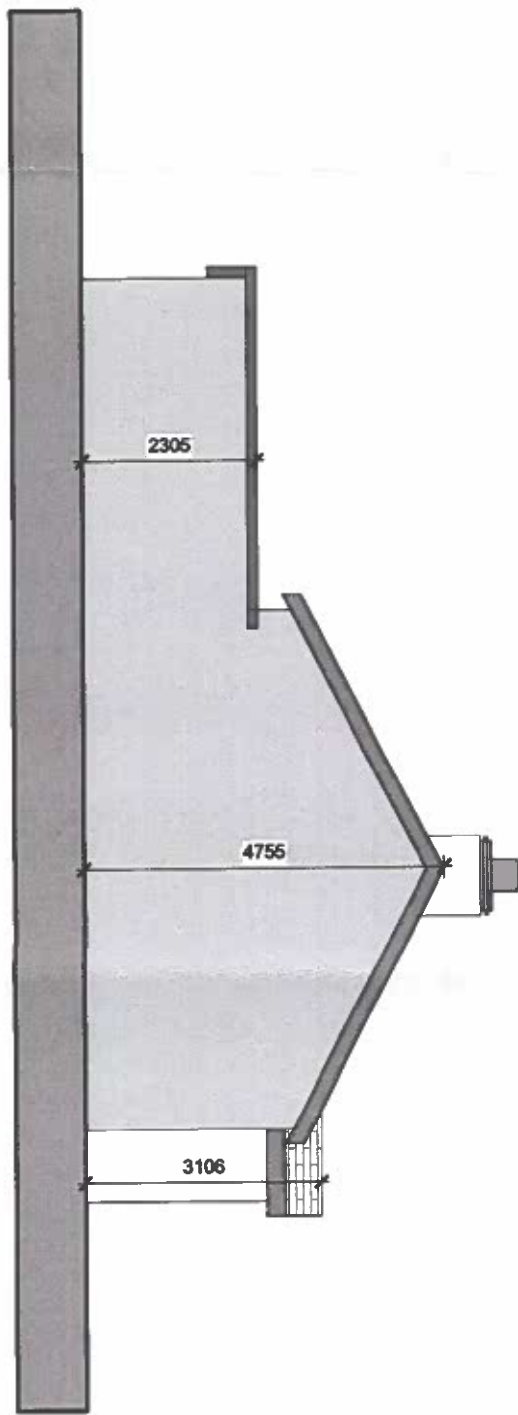
01 North
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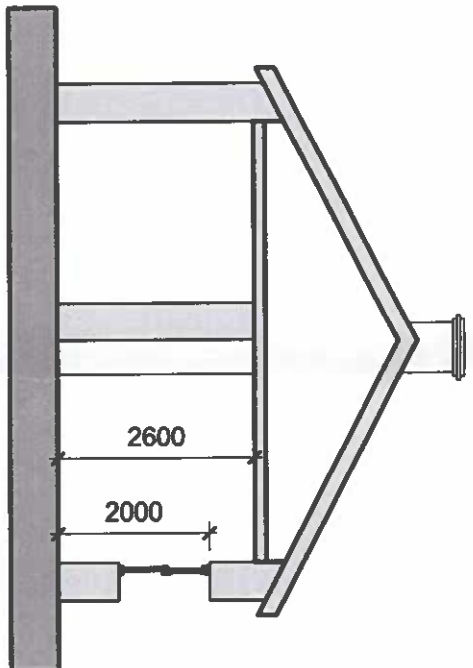
02 East
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03 South
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04 West
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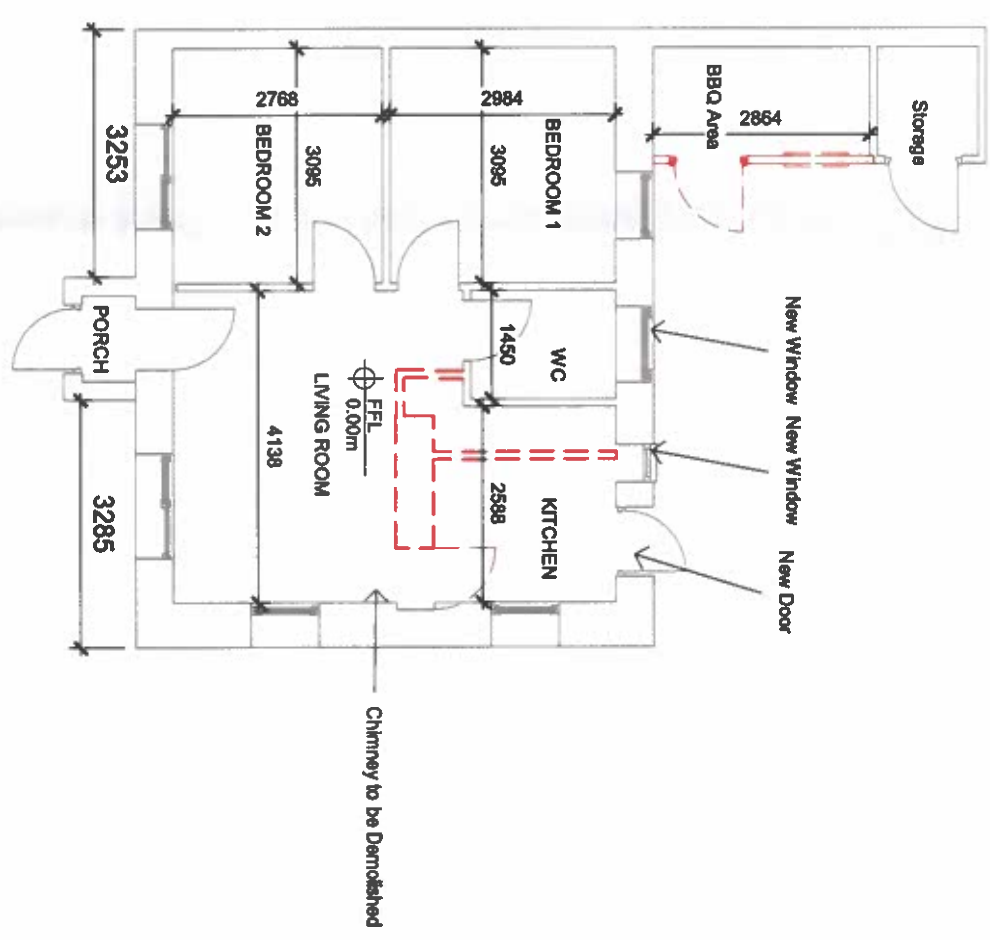
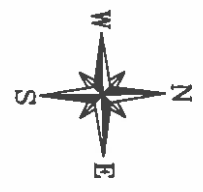


1 Section 1
1 : 100

Old Engineering to subsequent Design to Building		Job Drawing Name		Job Drawing No.	
CLIENT	Alan Cooney	JOB	Cart of Exemption	JOB N°	25-038
SITE	Macnoyre Road, Boyle, Co. Roscommon	DRAWING	Section	DRG N°	005
				SCALE	1:100
				DATE	31/1/25
				BY	A
				CHECKED BY	Not Signed



Red Dashed Lines - Demolition



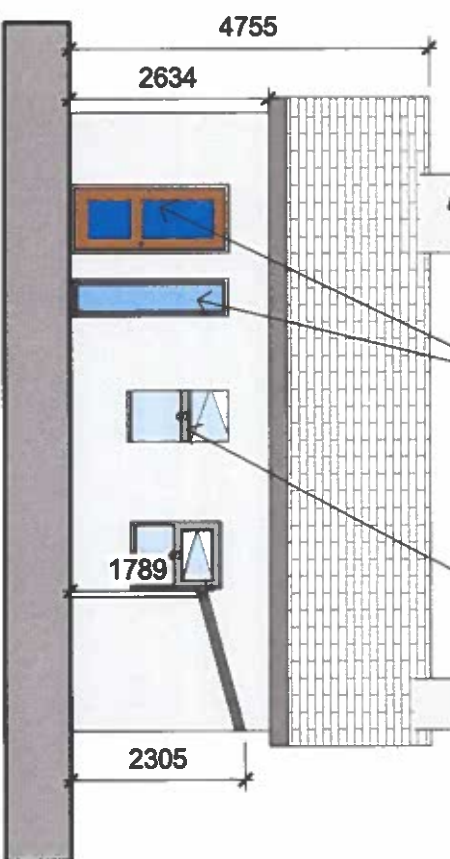
01 Existing Floor Plans

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Client		Job No		Date	
Alan Cooney		108		31/1/25	
Mocmoynne Road,		Drawing		REV A	
Boyle,		Proposed Floor Plans		DATE	
Co. Roscommon		006		1:100	

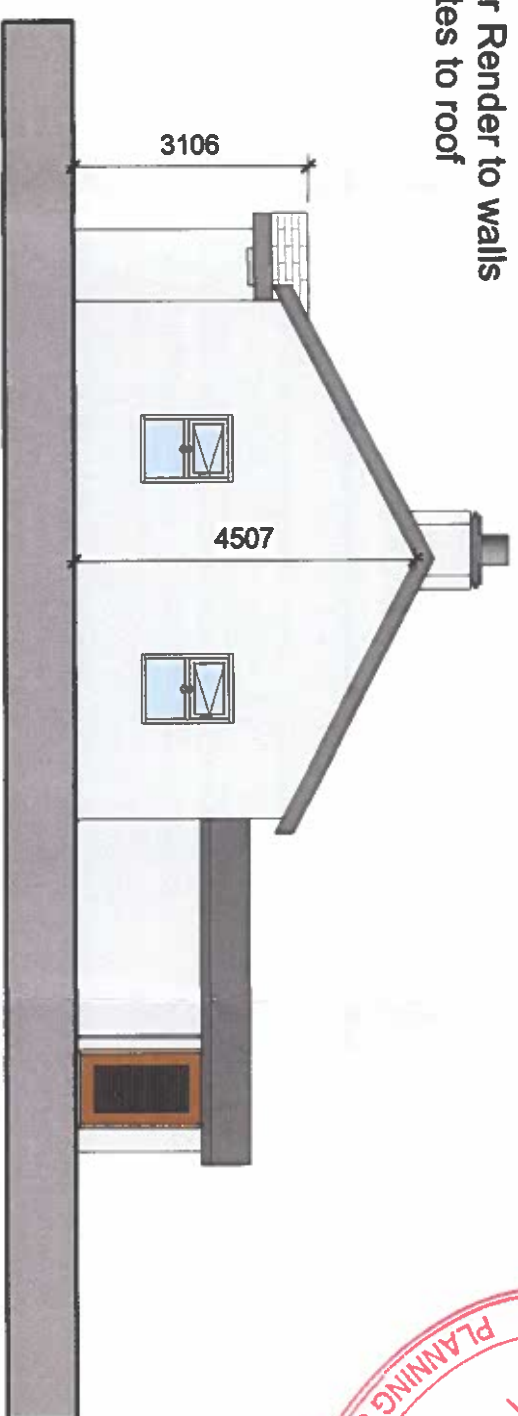
False Chimney Externally

New Windows & Doors

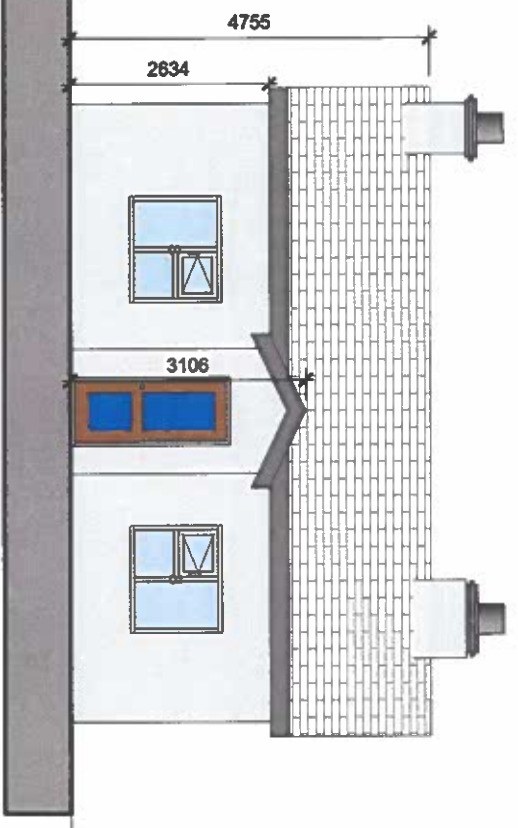


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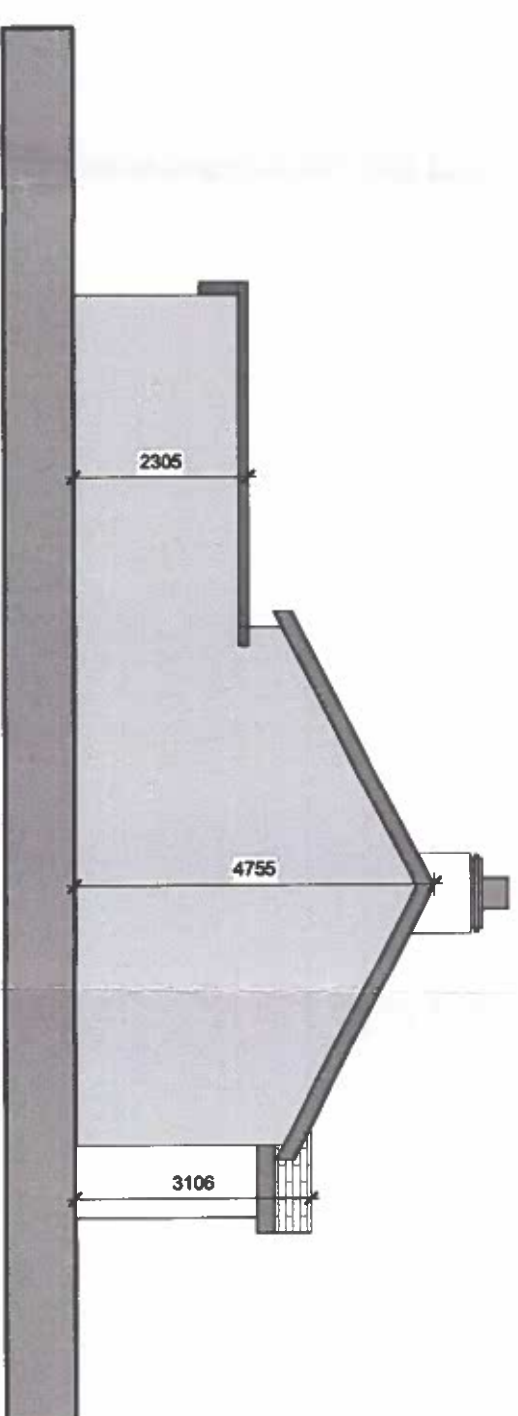
Napped Plaster Render to walls
Blue/Black Slates to roof



02 East
1:100



03 South
1:100

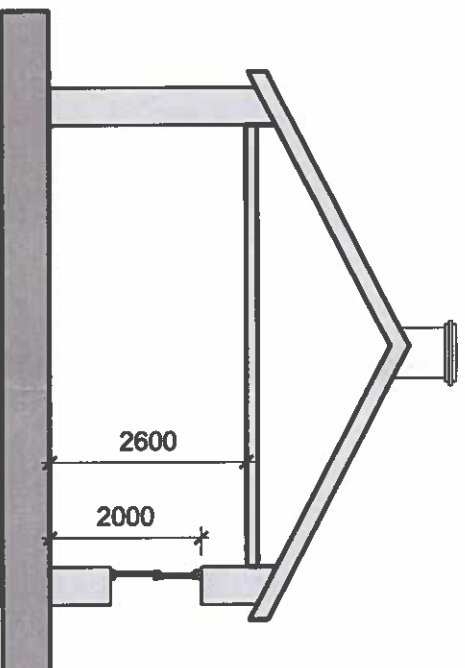


04 West
1:100



James Lohan
Planning & Design Consulting Engineers

Client		Job		Job No	
Alan Cooney		Cert of Exemption		25-038	
Mooneyre Road,		Drawing		007	
Boyle,		Proposed Elevations		1:100	
Co.Roscommon					



1
Section 1
1 : 100



Client Details		Project Details		Drawing Details	
CLIENT	Alan Cooney	JOB	Cert of Exemption	JOB NO	25-038
SITE	Moynihan Road, Boyle, Co. Roscommon	DRAWING	Section	DATE	31/1/25
				SCALE	1:100
				KEY	A
				DESIGNED BY	Jim Long