

Non Domestic Type Approval Certificate

Certificate No: **STAS/14/069/ND16/02**

Date: **28 December 2016**

A	Certificate Holder:	
	McDonalds Restaurants Ltd C/O Butler and Young, Glenbervie Business Centre, Ramoyle House, Larbert FK5 4RB E-mail: scott.mckenzie@byl.co.uk Tel: 01324 682014	

B	Building Type Titles:	
	Description:	D160 Two-storey Modular Restaurant

C	The non domestic type approval has been assessed on the following drawings and specifications:	
	See attached annexe to this certificate	

D	Climatic conditions: The design may be built in areas where the climatic conditions are equal to or less than those detailed below:		
	Wind: (as defined in BS 6399-2)	Standard effective wind speed, V_e = For maximum effective height = Has funnelling been considered?	51.5 m/s 7.54m NO
	Wind: (as defined in CP3: Chapter V)	Design wind speed, V_s = (relevant to the building frame, at a height of 3m or less)	N/A
	Snow: (as defined in BS 6399-3)	Site snow load, S_o = Influenced by adjacent buildings?	0.97 Kn/m2 NO
	Resistance to moisture/durability of exposed elements:	Max exposure (to wind driven rain) grading, as defined in BRE Report – Thermal Insulation: Avoiding Risks, Second Edition, 1994, to be exposure zone: Exposure to sea spray (i.e. coastal region) or de-icing salts? Other air contaminants or biological factors – please specify any enhanced resistance if applicable (refer to BS7543 for guidance)	N/A NO
	Design Life: (per BS 7543 – Durability of buildings and building elements, products and components)	Category of building design life = Design life of primary building envelope	25 years 25 years

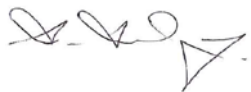
E	Conditions of certification:	
	1.	The design shown and the specifications and materials referred to have been assessed and approved in accordance with the Building (Scotland) Regulations 2004 and in accordance with the supporting guidance in the Non Domestic Technical Handbooks which came into force with effect from 1 October 2015.
	2.	The design of the main staircase within the restaurant area, while contrary to guidance, has been approved as an acceptable alternative approach - see Appendix A attached to and forming part of this certificate.
	3.	The certificate shall be valid until invalidated by formal notice by the Local Authority Building Standards Scotland
	4.	The design shown and the materials specified shall not be changed without reference to the Local Authority Building Standards Scotland responsible for certifying the system.
	5.	Where reference is made on a plan or specification document to any Code of Practice, British or European Standard or manufacturer's instruction it shall be construed as a reference to such publication in the form in which it is in force at the date of this certificate.
	6.	This certificate should not be regarded as a formal approval under the building warrant process prescribed by the Building (Scotland) Act 2003 enacted from 1 May 2005
	7.	The Mason Clark Associates statement dated 11/11/2016 referenced here under Section G, confirm that a structural appraisal has been carried out. Further site-specific information MUST BE made available when a site-specific building warrant is sought. Such additional information should take cognisance of Procedural Guidance on Certification including information to be submitted with a Building Warrant Application dated April 2010 Version 2. Confirmation of a holistic approach to structural adequacy of the <u>entire completed building</u> shall be provided by a registered engineer to the local authority within whose area the site specific dwelling is to be built.

Annexe of drawings, certificates and specification documents used in the assessment:

F	Drawing Number:	Description:
	SK03	Elliott's – Protected lobby – rear staircase
	SK04	Elliott's – Protected lobby – front staircase
	SK05	Elliott's – shell specification
	SK06	Elliott's – Cavity barriers
	01 (A)	Elliott's – ground floor layout
	02 (A)	Elliott's – first floor layout
	03 (A)	Elliott's – roof plan layout
	05 (A)	Elliott's – elevations
	06 (A)	Elliott's – sections
	07 (A)	Elliott's – fire strategy plan ground floor
	08 (A)	Elliott's – fire strategy plan first floor
	09	Elliott's – external cladding and section details
	10	Elliott's – internal door details
	D0160 comp 001 (A)	BPL compounding details
	E/6201 - 1	Silcock Leedham – mechanical services small power layout ground floor – sheet 1 of 2
	E/6201 - 2	Silcock Leedham - mechanical services small power layout ground floor – sheet 2 of 2
	E/6202	Silcock Leedham – electrical services small power layout first floor
	E/6203	Silcock Leedham - electrical services small power layout roof
	E/6301	Silcock Leedham – lighting services ground floor
	E/6302	Silcock Leedham – lighting services first floor
	E/6303	Silcock Leedham – lighting layout roof
	M/5201	Silcock Leedham – mechanical services above ground drainage ground floor
	M/5202	Silcock Leedham – mechanical services above ground drainage first floor
	M/5301	Silcock Leedham – mechanical services domestic services layout ground floor
	M/5302	Silcock Leedham – mechanical services domestic services layout first floor
	M/5701	Silcock Leedham – mechanical services ground floor plan ventilation layout
	M/5702	Silcock Leedham - mechanical services first floor plan ventilation layout
	M/5703	Silcock Leedham - mechanical services roof level ventilation layout
	7279 SA A231 P1	SCURR – Building warrant plan ground floor
	7279 SA A331 P1	SCURR - Building warrant first ground floor
	7279 SA A850 P2	SCURR – Order and collect counter details sheet 1 of 2
	7279 SA A851 P2	SCURR - Order and collect counter details sheet 2 of 2
	2009-3	GEZE – threshold detail
	6P/25/LH/THRU-PC – 01	Curti lifts – McDonalds front entry lift
	16160 – 01A	LV Tomlinson Stair – front of house stair
	16160 – 02A	LV Tomlinson Stair – front of house stair details
	16160 – 03A	LV Tomlinson Stair – front of house stair details
	16160 – 04A	LV Tomlinson Stair - front of house stair details
	16160 – 05A	LV Tomlinson Stair – back of house stair
	16160 – 06A	LV Tomlinson Stair – back of house stair details

G	Certification:	
	Trespa Meteon	BBA certification
	Eurobrick	BBA certification
	Statement of structural adequacy	Mason Clark Associates statement dated 11/11/2016

H	Specification:	
	Megadec board	Technical literature
	Ansul suppression system	Technical literature
	Resitrix roofing material	Technical literature
	Twinfix	Technical literature
	U-value calculations	Calculations
	Ramboll Fire Strategy report reference 1620000148 ref H – Nov 16	Fire engineering report
	Lift installation performance specification	Specification
	General construction specification	Specification
Ventilation installation specification	Specification	

I	Authority:		
	This system type approval certificate consisting of 3 pages is authorised by:	Signature:	
		Lead Authority Building Standards Manager on behalf of the Local Authority Building Standards Scotland (LABSS)	

ALTERNATIVE COMPLIANCE DECISIONS READ WITH SITE SPECIFIC CONDITIONS – APPENDIX A		
Regulation 9 Provisions on which dispensation is given	Basis for acceptance of alternative approach	Site Specific Condition
<p>Technical Standard 2.9 Every building must be designed and constructed in such a way that in the event of an outbreak of fire within the building, the occupants, once alerted to the outbreak of the fire, are provided with the opportunity to escape from the building, before being affected by fire or smoke.</p> <p>Clause 2.9.24 Protected zones The guidance in 2.9.24 requires an escape stair to be enclosed within a protected zone that achieves medium duration fire resistance for load bearing capacity, integrity and insulation.</p>	<p>It is proposed to enclose the main access stair, which is also an escape stair, with a glazed partition that achieves short duration fire resistance for integrity and insulation.</p> <p>The justification for acceptance of this alternative approach is set out in Ramboll's Fire Engineered Report, ref 1620000148 dated Nov 2016, the main points of which are noted below:</p> <ul style="list-style-type: none"> • Early warning of fire as provided by a category L1 alarm and detection system. • The expected prompt evacuation due to the relatively short travel distances, the relatively high ratio of staff to members of the public and the presence of staff in instigating and managing evacuation. • Staff will be trained to direct occupants towards evacuation via the rear stair where possible and suitable. • This stair serves only one level above ground floor, communication with and assisted evacuation of disabled occupants from the temporary waiting space on the first floor should be straightforward and relatively quick. • Using PD 7974 an ASET/RSET analysis confirms compliance with the mandatory standard with a significant factor of safety. • The number of storey exits and travel distances within the building are compliant with NDTH. 	<p>None, however the statutory process of consultation with SFRS resulting from the adoption of an alternative approach, should still be completed for each warrant submission.</p>
<p>Technical Standard 2.14 Every building must be designed and constructed in such a way that facilities are provided to assist fire-fighting or rescue operations.</p> <p>Clause 2.14.6 Heat and smoke control The guidance in 2.14.6 requires every escape stair is provided with ventilation for use by the fire and rescue services.</p>	<p>In this instance, it is proposed to provide smoke and heat ventilation to one of the escape stairs within the building and omitting it from the second stair as identified on the fire strategy drawings.</p> <p>The justification for this is set out in Ramboll's Fire Engineered Report, ref 1620000148 dated Nov 2016, the main points of which are noted below:</p> <p>A ventilator to this stair is not deemed necessary to support fire and rescue service operations, given that:</p> <ul style="list-style-type: none"> ○ the building is only two storeys tall and ample vehicular access is provided to the perimeter, for most fire scenarios, fire-fighting operations would likely be undertaken from outside the building; and ○ if internal fire-fighting operations were to be enacted, ample access and hose coverage to all parts of both floor plates is provided via the protected staff access stair. <p>It should be noted that this alternative approach has been agreed with SFRS.</p>	<p>None, however the statutory process of consultation with SFRS resulting from the adoption of an alternative approach, should still be completed for each warrant submission.</p>