

LABC Warranty Technical Manual Version 11 Change Log

Provision of information

This article provides guidance on the changes to the new LABC Warranty Technical Manual which is to go live from 1st February 2023.

Key:

Where applicable:

- Page numbers in black refer to the previous Technical Manual
- Page numbers in green refer to the new Technical Manual

Notes:

- Minor typing corrections and formatting changes are not recorded in the list below.
- 'Various' is stated in the page numbers column where the change is reflected on a number of pages throughout the section.

Technical Manual 2023 Changes

Section	Page numbers	Change detail
Whole of the manual		
		We have improved the overall look and feel of our
		Technical Manual by introducing grey banners for sub-
		headings on all pages. This allows the reader to easily
		distinguish what text is related to what sub-heading.
		Readability has also been improved by adjusting the
		page layouts so content is split over 2 or 3 columns.
		All diagrams within the technical manual have had their
		line widths adjusted to enhance the images and ensure
		consistency throughout the manual.
		A lot of the diagrams have had a bit of colour added to
		highlight the main aspects of the diagram.
		Text labels around diagrams have had their font size
		increased so they match the main body of text
		We've aimed to make the Technical Manual easier to
		use by replacing the General Functional Requirements
		previously at the start of the manual and providing all
		applicable Functional requirements at the start of each
		Section. This avoids the reader having to divert back to
		the beginning of the Technical Manual.
		All Functional requirements have been updated and
		should be carefully read through to note changes
		applicable to each section.



Section	Page numbers	Change detail
		The Functional Requirements relating to durability of
		materials, now refer to 'Service life'. A table listing
		service life requirements for common structural and
		Water proof envelope components can be found in
		Appendix C.
		We have introduced a Provision of information content
		at the start of each Section, to identify key information
		we require. This would be an important area to discuss
		with your Warranty Surveyor during the Site Risk
		Assessment of your project.
		In the introduction we now have a definition for what
		we mean by an Engineer and references within the
		Technical Manual will just use the reference as
		'Engineer'.
		Ground conditions (formally section 20) becomes
		Section 1 and Tolerances (formally section 1) moves to
		Section 20. This is so the Ground Conditions section is
		directly followed by guidance on Basements,
		Foundations and ground floors - which are all
		interrelated with guidance on Ground Conditions.
		We have rationalized and consolidated a lot of our
		guidance throughout the TM to make it easier to read.
		An example of this is all of our guidance on parapets
		can now be found in one location (section 6.6).
		Similarly, we have moved all our guidance on stone
		cladding to our cladding section (section 6.5). Section 8
		for Windows and Doors has been renamed External
		Windows and Doors and all of the general guidance for
		all windows and doors is now located at the start of
		section, with guidance for specific window and door
		types located in subsequent sub-sections thereafter.
Section 1 – Ground		,,
Conditions		
		This section has been repositioned to Section 1 from
		Section 20, to ensure value of identifying ground
		conditions is taken into account before basements and
		Foundations. There are no other major changes to this
		section.
Section 2 – Basements		
		Section 2.1 has been substantially re written to assist in
		managing the risk that basements present. The
		guidance highlights the responsibilities of the Design



Section	Page numbers	Change detail
		team and the importance of sufficient and relevant
		information being provided at a very early stage.
	20	Functional requirements substantially revised and
		include a requirement in Design 3, that the Developer
		provides to us 8 weeks before the commencement of
		the basement, a water proofing design and
		specification (including a site investigation report).
		This is to ensure the correct information specific to the
		conditions on site has been planned and thought out in
		advance and that all risks are catered for in the
		proposal.
	22	Statement added at the start of section to state: All
		basements and below ground structures will need to be
		evaluated on a project specific basis for performance
		against the required environmental grade prior to any
		work commencing on site. The Developer must provide
		evidence to us that the water proofing design is
		appropriate for the risk.
	22	Examples (for Warranty purposes) of structures wholly
		or partially below ground are provided
	23	New guidance for:
		 Risk based design provided
		 The importance of Site investigations to
		determine ground conditions
		 Stability and durability including:
		 Expected structural movement
		 Durability of materials
	25	Basement grades updated to reflect changes in BS8102
	25	New requirement: where a Grade 3 environment is
		required, combined protection must be provided
		(consisting of 2 systems recognised by BS8102). An
		accessibility and reparability option is essential and
		should form part of any structural waterproofing
		design.
	27	New guidance on lift pit detailing (subject to relevant
		Policy cover provision)
	Section 2.2	minor updates including:
		All drawings updated to show RC concrete structures
		with Kickers.
	29	Additional guidance for type A barrier protection -
		Surfaces on which barrier protection systems are
		applied must be sufficiently prepared to gain maximum



Section	Page numbers	Change detail
		bond strength. Also temperature and weather
		conditions must be considered when application is
		made.
	31- 32	Additional guidance for type C systems - Whilst the
		cavity membrane perimeter drainage channel is
		intended only to deal with seepage it could discharge
		to a deeper fixed drains to drain out via gravity. The
		potential risk of surcharge from blocked external drains
		is high and therefore the system must be protected by
		a non-return valve on the drainage outfall. The details of its position and accessibility for maintenance must
		be provided in the operations and maintenance manual
		for maintainable systems.
		To manitamasic systems.
Section 3 – Foundations		
	32	Updated guidance on differential settlement for mass
	40	fill foundations
	32	Notes for plasticity index added under minimum
	40	foundation depths table for mass fill foundations.
	40/43	Additional guidance for width of mass fill and strip
		foundations. Loadings and ground conditions must be
		taken into account. In addition, where widths are less
		than 600mm, an engineer's design must be provided.
	Various	Section 3 now makes reference to piled raft slabs in
		addition to ground beams due to their increased use in
	20	the industry
	39 47	For pile construction records, two further points on 28 day concrete cube test results and concrete mix design
	47	certificate added
	44	Amendment to 'Limitations of Guidance' for raft
	52	foundations to provide more clarity
	44	Minor text additions to structural design paragraph for
	52	raft foundations
	47	Amendment to 'Limitations of Guidance' for
	55	Engineered fill to provide updated figure for undrained
		cohesion
	47	Made it more clear that a specification of the
	55	engineered fill is required



Section	Page numbers	Change detail
Jection	51	Amendment to 'Limitations of Guidance' for vibratory
	60	ground improvement to provide updated figure for
	00	undrained cohesion
	55	Where desiccated clay is present and raft foundations
	64	proposed, we now clarify this is outside the scope of
	04	our guidance and an engineering referral should be
		made
	55	Updated definitions for cohesive and none-cohesive
	64	soils
	56	Updated guidance on soil samples for trees and clays to
	65	include information on moisture content along with a
		determination of the percentage of soil particles below
		the size of 425 microns
	58	Minor text amendments to paragraph titled trees
	67	removed prior and during construction
Section 4 – Ground floors		8
	Various	Guidance added that ground floors must be designed
		and constructed to ensure adequate protection against
		ground gases and other contaminants emanating from
		the ground below. Details of where to find further
		guidance on radon also provided
	72, 75, 77	Additional guidance provided for insulation
	, -,	requirements for ground floors
	Various	Drawings within section simplified to focus on our
		warranty requirements
	69	Clarification of existing guidance on stepped party
	80	walls. Additional guidance on the subject also added
	84, 86	Additional clarification added for levelness and
		deflection limits for timber floor joists.
Section 5 – Drainage		
	93	New guidance provided on Macerators and Pumps
	82, 86	Notes amended regarding Openings for pipes in fire
	92, 96	resisting floors and walls
	,	
	91	Guidance added requiring CCTV survey for existing
	102	drains when being retained
	85	Updated guidance to say: Rainwater pipes from higher
	95	roof levels should not discharge onto a lower flat roof
		or balcony
	99	New guidance (5.3.2) for Junctions in drains formed
		under buildings.
Section 6 – External Walls		



Section	Page numbers	Change detail
	Various	Whole of section 6 has been rationalized with, for
		example all of the parapet guidance now contained
		within one new sub-section 6.6. Sub section 6.5
		cladding has also undergone similar changes
	Functional	Workmanship 2: this has been updated to clarify that
	requirements	our requirement for either a third party approved
	112	contractor completes the fire stopping / cavity barriers
		, OR a suitable quality assurance process is in place to
		evidence the installation, is applicable to 'all floor
		levels' of a multi occupancy building which has a floor
		4.5m above ground (i.e. not just those parts of the
		building over 4.5m)
6.1 Traditional Masonry	Various	Guidance in section 6.1 has been consolidated so that:
Cavity walls		Wall tie guidance is all in 6.1.5
		Movement joint provision is now all in 6.1.6
		• Lintel provision is now in 6.1.7
		• Forming weather resistant openings is now in 6.1.8
		All guidance on cavity trays, weep holes and stop
		ends is now in 6.1.9
		Guidance on feature stone surrounds is now in
		6.1.10
		Lateral restraint of walls at floor level guidance is
		now in 6.1.11
		Lateral restraint of walls at roof level is now in
		6.1.12
		Connecting to existing structure is now 6.1.13
	102	Table for suitability of full fill insulation in various
	114	exposure locations made more clear and max 12m
	111	requirement made more prominent
	103	Further guidance provided on frost resistant brickwork.
	115	Tarther gardance provided on most resistant brickwork.
	103	Reclaimed bricks: A statement has been added to
	115	confirm these will not be are not suitable for warranty
	113	purposes statement added
	103	Additional notes added for batching and mixing for
	115	mortars
	107	Horizontal spacing of wall ties should be 900mm
	118	centres for cavities between 100-150mm wide
	110	
	107	(previously it was 750mm)
	107	Table for spacing of wall ties now ha additional note
	118	which reads: 'The design of wall ties for cavity wall



Section	Page numbers	Change detail
		construction will need to consider the site specific
		conditions and location of the masonry panels on the
		building façade'.
	107	Additional Guidance provided on movement joints in
	119	wall panels with a mixture of different masonry types
	107	The requirements for bed joint reinforcement in critical
	119	areas made more clear
	109	Made it explicitly clear existing walls and their
	126	foundations may be acceptable for warranty (when
		building at the end of a row of terrace houses for
		example) however existing foundations that have
		already been caste may not be acceptable.
	Various	We previously had a sub-section named 'forming
		openings' in 6.1, 6.2 and 6.3. This has now been
		changed to 'forming weather resistant openings' with
		more guidance on gap sizes around window and door
		frames and the use of finishing trims.
	111	The requirement for lintels being provided over
	120	recessed meter boxes has been added
	Various	Where cavity barriers are mentioned, updated
		guidance to reflect the requirement to ensure they are
		mechanically fixed (Applies to 6.1-6.3)
	114	Cavity tray and cavity barrier requirement added where
	122	they are above openings near to a compartment floor
	122	New cavity tray requirement: Must have third party
		certification or be to a relevant BS or BS EN code
		appropriate for the intended use. Please note:
		Polyethylene DPC's should not be used as a cavity tray.
6.2 Timber frame	119	Note added to say: designers should not mix and match
	128	codes or standards for the structural design. This is
		particularly relevant to Racking resistance.
	120	Change in wording for ventilation requirements
	130	between cladding on the external skin and the timber
		frame
	120	Guidance added for where breather membranes
	129	provides temporary protection
	122	Additional guidance provided for packing (Shimming)
	132	under sole plate and, the use of structural grout in gaps
		less than 10mm is now not recommended
	123	Minimum width of 37mm for timber studs now stated
	133	
		1



Section	Page numbers	Change detail
	123	Multiple stud clusters that are structural will now
	133	require SE design.
	123	Clarity on what we can accept for VCL's
	133 and 136	
	123	Boundary conditions added for where condensation
	133	risk analysis is provided
	123	Further commentary has been provided on Non timber
	133	based boards
	124	Further notes added to state Breather membranes
	134	need to be self-extinguishing
	124	Re-worded our definition of a breather membrane
	134	
	125	External and party walls with internal lining of
	135	Plasterboard on battens with a service zone behind,
		now require fire test reports confirming suitability of
		that makeup
	126	Removed reference to VCL's needing to be 250 MNs/g
	136	
	133 and 136	Made it clear we do not accept MgO boards
	131	Detail for flat roof abutments removed
	131	Guidance on cavity trays now more relatable to timber
	141	frame
	131	New cavity tray requirement: Must have third party
	141	certification or be to a relevant BS or BS EN code
		appropriate for the intended use. Please note:
		Polyethylene DPC's should not be used as a cavity tray.
	137	New cavity barrier requirement: they are required
		where they are above openings near to a compartment
		floor
	132	Updated differential movement gap guidance
	142	
	144	Guidance now provided for differential movement for
		balconies
6.3 Light Gauge Steel Frame	138	Further clarification about our requirements for Stage 1
	147	and Stage 2 SCI System Certification are provided
	138	Further clarification about our requirements of 'off-
	147	site' manufactured LGSF are provided
	138	Notes added to confirm we do not accept cuts and
	147	holes in LGSF systems being made on site – can only be
		done in a factory



Section	Page numbers	Change detail
	144	New cavity tray requirement: Must have third party
	154	certification or be to a relevant BS or BS EN code
		appropriate for the intended use. Please note:
		Polyethylene DPC's should not be used as a cavity tray.
	141	Updated guidance on drainage and ventilation of the
	150	cavity
	141	Guidance added for where breather membranes
	150	provides temporary protection
	141	Removed reference to 250 MNs/g for VCL's
	150	
	143	Updated guidance on weather seals around external
	152	wall openings
	147	New guidance added for accommodating deflection in
		wall panels
	138	New guidance to advice that we cannot accept Light
	147	Steel Frame systems which rely on racking resistance of
		the sheathing board.
	152	New guidance on the use of EPDM seals at opening
		junctions with external cladding.
	150	New guidance on drainage and ventilation where
		rainscreen cladding is used in front of the LGSF.
	145	Additional point added for wall ties where masonry
	155	cladding is specified: 'Wall tie density depends on a
		number of site specific factors and should be
		considered by an Engineer'.
	151	New cavity barrier requirement: they are required
		where they are above openings near to a compartment
		floor
6.4 Render	149	Clarified that Site made render is not acceptable for
	157	backs of parapets and chimneys
	160	Guidance now provided for rendering on EWI systems
	153	In coastal locations, uPVC or marine grade stainless
	161	steel must be used for beads
6.5 Cladding	156	Amended guidance on fixings and supports taking the
	165	structure it is being fixed to into account
	156	Amended guidance on curtain walling so the design
	164	also takes the project fire strategy into account when
		incorporating cavity barriers and fire stops
	156	Guidance on sound transfer for curtain walling now
	164	includes a line to emphasis particular attention should
		be paid through wall, vertical and horizontal flanking
		transmission at various interfaces with the façade.



Section	Page numbers	Change detail
	156	Stacked windows now mentioned in testing section
	165	
	156	Additional guidance on site water testing and where
	165	tests fail
	156	Additional guidance on dead and live loads for
	165	rainscreen cladding systems and external sheathing
		boards
	156	Additional guidance on drainage and ventilation
	165	provisions for rainscreen cladding systems
	156	Minimum cavity widths now provided for rainscreen
	165	cladding systems
	156	Additional guidance on bimetallic corrosion
	165	
	156	Additional guidance on sheathing boards and a point
	165	to emphasis a breather membrane is always required
	156	Additional guidance on EPDM seals and opening
	165	junctions with external cladding
	167	Details of our requirements for brick slip systems with
		different substrates and build ups added
	168	New guidance on EWI systems added
	157	Cavity barrier requirement behind external decorative
	166	cladding added
	157	Updated guidance on fixing of timber cladding boards
	166	
	various	Stone cladding sections for 6.1, 6.2 and 6.3 moved to
		6.5
	171	Added wind driven rain exposure map
6.6 Parapets	NEW	New sub-section on parapets added
Section 7 Internal Walls		
	Function	Workmanship 1: this has been updated to clarify that
	Requirements	our requirement for either a third party approved
	180	contractor completes the fire stopping / cavity barriers
		, OR a suitable quality assurance process is in place to
		evidence the installation, is applicable to 'all floor
		levels' of a multi occupancy building which has a floor
		4.5m above ground (i.e. not just those parts of the
		building over 4.5m)
	183, 190, 195	Guidance added for where fire doors are constructed in
		internal fire resisting walls
	183, 190, 195	Guidance added for Openings for pipes and ducts in
		internal fire resisting walls



Section	Page numbers	Change detail
	164	Guidance for minimum masonry thickness to achieve
	183	fire resistance moved to section 7.1.2
Section 8 – External		
Windows and Doors		
		Section renamed 'External Windows and Doors
	Various	Restructure with all general guidance within a new
		subsection (applicable to all window types). Followed
		by Sub-sections for specific window types.
	192	Additional guidance on the control of condensation
	202	
	Various	Guidance on gap sizes around windows of different
		materials made more clear and concise with the use of
		a table.
	204	Additional guidance on finishing trims
	204	Additional guidance on the use of sealants
	202	Additional guidance on checked rebated reveals
	Various	New guidance on fixing type, fixing substrate
		penetration etc. for windows and doors
	184	Updated guidance for certification requirements for
	208	uPVC windows and doors: External uPVC windows and
		doors shall have evidence of certification confirming
	240	weather-tightness rating as detailed within BS 6375.
	210	Additional guidance on window and glazing beads
	210	Additional guidance on the installation of glazing for
	244	timber windows
	211	Recommendations added for protection of timber
	242	windows and doors during the build process
	212	New sub-section on aluminium and steel windows
	215	New sub-section on stacked windows
	217	New sub-section for bi-fold doors
	218	New guidance for lintel provisions for top hung Bi-Fold
Saction O. Stairs		Doors
Section 9 - Stairs	Various	Section reorganised so general guidance for all stair
	various	types present at the start of the section and guidance
		relating to different construction types present in later
		sub-sections
	Various	Existing diagrams updated to improve clarity and
	- 411043	additional diagrams added
	224	Additional guidance around external stairs and their
		construction
	1	l.



Section	Page numbers	Change detail
	226	Additional guidance for timber stair fixings provided
	226	Additional general guidance for the construction of
		timber stairs
	226	Additional guidance for protection of timber stairs
	228	Additional guidance around concrete and steel stairs
		provided within new sub-sections
Section 10 – Upper floors		
	Functional	Workmanship 1: this has been updated to clarify that
	requirements	our requirement for either a third party approved
	230	contractor completes the fire stopping / cavity barriers
		, OR a suitable quality assurance process is in place to
		evidence the installation, is applicable to 'all floor
		levels' of a multi occupancy building which has a floor
		4.5m above ground (i.e. not just those parts of the
		building over 4.5m)
	251	New guidance provided for plywood boarding of joists
	251	Guidance provided on protection of floor decks against
		damage and weather
	Various	Deflection of floors text reworded to improve clarity
	Various	Reference to Eurocode 5 removed for engineered joists
		(as Eurocode 5 is for traditional joists)
	220	Additional guidance for sound resistance for internal
	251	separating floors provided
	237	Additional guidance for Openings for pipes in fire
0 11 0 6	267	resisting floors
Section 11 – Roofs		
	Various	Clarity provided for close fitting roof coverings
	Various	Statement added confirming we require third party
	various	accreditation for LR underlays
	various	Guidance on lap of tiles added to state must be as per
		manufacturer's specification
	various	Fire classifications now aligned with guidance of
	202	Building Regulations
	293	Guidance on composite panels for flat roofs removed
	Marianta	as it caused confusion
	Various	Additional guidance for where two roof planes
	Various	intersect at a cross fall
	Various	Updated guidance on overflows
	200	Additional guidance on Liquid applied reaf
	299	Additional guidance on Liquid applied roof
	331	waterproofing kits



Section	Page numbers	Change detail
	303	Further clarity around approved installers for flat roofs
	335	provided
	335	Guidance on periodic inspections provided
	303	Additional guidance for testing of EPDM roofs and
	335	choosing the correct technique
	303	New guidance added for testing of flat roof membranes
	335	for developments involving our Major Projects Team
	303	Updated guidance for testing of flat roof membranes
	335	where an enhanced risk is identified during the Site Risk
		Assessment stage.
	303	Voltage field mapping added as a test method for
	335	methods of testing a flat roof
	303	High voltage electrical discharge test method guidance
	335	updated based on industry practices
	344 NEW	New Guidance provided for single skin metal roofs
	316 352	Definition of a blue roof has been updated
	316	Guidance on Active and Smart approaches provided for
	352	blue roofs
	316	Additional guidance on falls within a blue roof
	352	
	316	Additional guidance notes on performance required to
	352	satisfy warranty requirements and design intent added
		for blue roofs
	316	Under 'limitations of this guidance', text on attenuation
	352	cells has been updated
	326	Additional guidance for Podium decks and threshold
	361	abutments
Section 12 – Balconies and		
terraces		
		Section renamed Roof Terraces and Balconies. 12.1
		covers roof terraces and a new subsection 12.2 covers
		balconies
	334	Definition provided for a roof terrace
	366	
	Various	Layout of 12.1 changed slightly to make it more logical
		and remove repetitive information
	335	Limitations of this guidance paragraph updated for
	369	guidance on timber structures for roof terraces
	332	Additional notes added for warm deck roof terraces



Section	Page numbers	Change detail
	367	
	333	Additional notes added for inverted warm deck roof
	368	terraces
	334	Additional guidance for hybrid roof terraces and
	368	interstitial condensation
	339	Guidance on overflows updated as per section 11
	373	·
	341	Additional guidance on fixing of guarding and
	376 and 379	balustrades and waterproof coverings
	341	Guidance on site applied hot melt coverings removed
	376	
	375	New guidance on liquid applied waterproofing kits
	341	Guidance on lighting protection amended slightly to
	376	improve clarity
	342	Guidance on level threshold detailing updated to
	377	improve clarity
	345	Testing requirements water water proof membranes in
	380	line with updates to section 11
	380	Guidance on period inspections for terraces added
	381 NEW	12.2 is now a new sub-section for various types of
		balconies. This section contains all new guidance
	382	Definitions for balcony types provided
	382	New guidance on durability of balconies
	382	New guidance on the use of timber in balconies
	383 and 384	New guidance on drainage provisions for balconies
	385	New guidance on fire considerations for balconies
Section 13 – Chimneys and Flues		
	390	Additional guidance for the construction of masonry
		chimneys provided
	390	New guidance provided for masonry chimneys in
		timber framed buildings
	398 NEW	New guidance provided for false chimney stacks
Section 14 – Driveways and		
Paving		
	360	Removal of turning facilities and firefighting access
		references as not related to warranty cover
	360	Guidance updated for 900mm clearance for approach
	404	route for the principle entrance must be maintained
		where car charging facilities or other devices are
		present.



Section	Page numbers	Change detail
	366	Updated 'limitations for guidance' paragraph on timber
	409	decking on access routes
Section 15 – Heating		
services		
	NEW	This section has been substantially re written as the
		previous manual only referred to Gas fire heating
		systems.
	413	15.1 is now associated services for space and water
		heating
	416	15.2 covers conventional space and water heating
		systems
	418	15.3 is new guidance on other forms heating systems
		including low and zero carbon systems
Section 16 – Ventilation		,
	377 - 388	Reference to systems 1-4 removed
	380 -382	Passive stack ventilation guidance removed as no
		longerrelevant
	427 and 428	Installation for ventilation systems now in one section
		now
	428	Additional guidance on ductwork terminating to
		outside air
Section 17 – Electrical		
Services		
	393	Clarification for number of socket outlets in mixed used
	433	areas provided
	393	Clarity provided on where measurements of socket and
	433	switches heights are from
	393	Guidance provided on positioning socket and switches
	433	in inside corners
Section 18 – Cold water		
supply		
		Section renamed to cold water supply
Section 19 – Outbuildings		
		Section to be renamed to garages
	404	Additional guidance provided for garage walls
	444	
	444	Additional guidance provided where ground gases
		present.
	405	Guidance on fire separation between garages on the
	445	boundary
Section 20 – Tolerances		



Section	Page numbers	Change detail
		Formerly Section 1, this section has been switched to
		section 20
	Various	Tolerances bought up to date to match expectations
		within industry
	450	All tolerances for external facing masonry now in a
		single table
	450 / 451	Requirements for measuring tolerances for of fair faced natural and cast rough faced masonry added
	454	Guidance added for floor deflection limits
	Various	Drawings updated to improve clarity
Appendix A		
		No major changes
Appendix B		
		No major changes
Appendix C		
	478	Comment added to confirm reclaimed bricks not
		suitable for warranty
	485	NEW Service life table for various common Structural
		and Weather proof envelope building components
		added
	437	Stainless steel added as fixing type under oak in
	473	construction and timber treatment page
	484	Wind driven rain exposure map re-introduced back in Appendix C
	448	Requirements for third party approval updated and
	487	also Clarification added to state although some
		products or systems may have third party
		accreditation, they may pose an enhanced risk to us
		and therefore may not be acceptable to us.
	448	Updated guidance on ETA certificates – they will need
	487	to be reviewed by Technical Standards Department
	449	Warranty requirements for timber frame and LGSF
	487	repositioned within the Appendix C2. (not within the
		MMC guidance)
	487	Updated guidance on UKCA acceptance
	488	New guidance for MMC to state where components of
		a MMC system cannot be accepted (e.g. closed panel
		systems), the system should be reviewed by our
		Innovations team



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Section	Page numbers	Change detail
	488	New guidance added to state MMC systems may
		require pre-levelling checks prior to delivery on site
	488	New guidance for MMC systems: Where on site zip-up
		works are required, it is expected that these works will
		be undertaken by suitability trained staff and overseen
		by a supervisor directly employed by the system
		manufacturer as a minimum
	488	Types of MMC systems now have category 1-3 listed
		next to them for clarification.
	489	New text added for SIP panels: The third party
		accreditation must also cover how panels interconnect
		and not just cover a panel in isolation.
Appendix D		
	454	Updated definition of former agricultural building
	494	
	454	Confirmation that Robust details are not applicable to
	494	conversions
	454	Additional guidance on above ground rainwater
	494	disposal
	457	Guidance on ventilation to floor voids where new
	497	external landscaping is proposed
	461	Additional guidance provided on cold deck roofs being
	501	retained.

Every care was taken to ensure information in this article was correct at the time of writing (January 2022). Guidance provided does not replace the reader's professional judgement and any construction project should comply with the relevant building regulations or applicable technical standards. For the most up to date LABC Warranty technical guidance please refer to your risk management surveyor and the latest version of the LABC Warranty Technical Manual.