BUILDING PRODUCT INFORMATION REQUIREMENTS (BPIR) DECLARATION

Class 2 Product Declaration: Volumetric Transportable Lunchrooms & Kitchens Line

Product Line:	Portable Lunchrooms / Site Kitchens / Combo Welfare Units
Manufacturer:	Castle Portable Buildings Limited
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1. Product Description & Method of Manufacture

Castle Portable Buildings manufactures customisable, pre-engineered volumetric transportable lunchroom and site welfare building lines designed for commercial, industrial, residential, and agricultural workspace utility. The structural envelope comprises genuine high-performance 50mm Bondor XFLAM insulated structural panels deployed across all external walls and roofing profiles, ensuring excellent thermal resistance and fire boundary safety performance. The structural sub-assembly is built utilizing high-tensile Duro galvanised steel chassis tracks supporting a heavy subfloor foundation laid with 19mm H3 structural plywood sheets. Transport, craning, and site delivery mechanisms are fully integrated into the primary frame using robust, retractable lifting arms engineered for overhead hoisting sequences.

2. Scope & Limitations of Use

- **Wind & Seismic Zones:** Suitable for structural placement in geographical wind zones up to and including 'High' as dictated by NZS 3604, and standard New Zealand seismic regions, subject to localized site validation.
- **Foundation Requirements:** The structure must be positioned on level, stable, and appropriately compacted ground assets or engineered pile networks. Design, calculation, and delivery of site-specific foundations are excluded from the factory gate supply footprint.
- **Consents & Site Boundaries:** This declaration strictly covers the volumetric product kit layers from the factory gates. Site placement, boundary town planning regulations, resource consents, and regional council territorial authority building consents under Schedule 1 of the Building Act 2004 remain the sole legal responsibility of the client.

3. New Zealand Building Code (NZBC) Compliance Matrix

Clause B1 **Structure** B1.3.1, B1.3.2, B1.3.3, B1.3.4	Compliance via AS/NZS 1170 and NZS 3404. The primary structural sub-assemblies comprise heavy Duro galvanised steel chassis tracks and 19mm H3 structural plywood flooring panels. Envelope integrity is achieved via genuine 50mm Bondor XFLAM structural insulated panels. Engineering Validation: A structural design evaluation for the chassis and retractable lifting arms can be formally commissioned by Castle via an NZ Chartered Professional Engineer (CPEng) upon explicit request. Where required for site-specific council consents, this custom engineering validation and Producer Statement Design (PS1) can be prepared and released to clients, subject to engineer availability and an applicable design certification charge.
Clause B2 **Durability** B2.3.1(b)	Compliance via B2/AS1. All structural timber assets comprise 19mm plywood treated to H3 specification protecting against biological decay and fungal rot. Steel framing structures utilize continuous industrial galvanised zinc coatings. External cladding faces feature pre-painted multi-layered steel skins integrated directly with the Bondor XFLAM insulated core, meeting standard 15-year durability baselines when maintained under normal atmospheric exposure.
Clause G3 **Food Preparation & Facilities** G3.3.1, G3.3.2	Compliance via G3/AS1. To satisfy commercial and workplace food hygiene baselines, food preparation zones are configured with either a premium timber PrimePanels kitchenette assembly or a heavy-duty stainless steel Classicline kitchenette layout (sourced from Classic Stainless). All bench surfaces, sinks, splashback boundaries, and cabinetry selections utilize strictly non-porous, water-impervious, and easily cleanable structural linings to eliminate microbial accumulation and support sanitary washing regimes.
Clause G4 **Ventilation** G4.3.1	Compliance via G4/AS1. Adequate fresh air volume exchange and cooking moisture/steam extraction are achieved through natural ventilation options using openable exterior aluminium window joinery, mechanical extractor fan components, or combination systems tailored to the building size and client operational density requirements.

Clause G9 **Electricity** G9.3.1	Compliance via AS/NZS 3000 / AS/NZS 3001.2. All factory electrical distribution tracks, switches, lighting points, and appliance connection networks are installed and tested by Castle's contracted New Zealand Registered Electrician. Buildings are supplied with either an Electrical Certificate of Compliance (ECOC) or an Electrical Warrant of Fitness (E-WoF), depending strictly on whether the configuration utilizes a permanent hardwired mains grid interface or a transportable caravan-style external inlet plug. Site-side network utility hook-up remains the responsibility of the client's local tradesperson.
Clause G12 **Water Supplies** G12.3.1	Compliance via G12/AS1. Internal hot and cold water reticulation pipes are routed underneath the building chassis frame and brought up cleanly through the 19mm floor structural grid. The factory standard specification uses premium 15mm Buteline lines, unless an alternative sizing layout is explicitly designed by a hydraulics engineer. Units are supplied dry as standard with no hot water heating apparatus. Where the client requests hot water capability and specifies the source type (Gas Califont vs. HWC) and capacity volume (litres), Castle coordinates the subcontractor plumber. The certifying plumber handles the compliant brand selection, carries out the installation, and issues the final code-compliant sign-off.
Clause G13 **Foul Water** G13.3.1, G13.3.2	Compliance via G13/AS1. Kitchenette sink waste drainage pipework features 40mm DWV pipes routed through the factory wall framing profiles by default. All internal wastewater lines drain to the building exterior envelope and terminate cleanly in a single 80mm protruding stub, providing an accessible, standardized connection point for the client's on-site licensed plumber to tie into municipal infrastructure or auxiliary holding networks.

4. Installation, Storage & Maintenance Requirements

- **Installation & Hook-up:** The transportable building must be leveled precisely upon its designated foundation footprint. All structural lifting sequences must utilize the integrated, heavy-duty retractable lifting arms. Final site hook-ups to municipal or auxiliary water, sewerage, and electrical networks must be completed exclusively by New Zealand Licensed Plumbers and Registered Electricians who must verify site-side compliance.
- **Maintenance Protocols:** Surface profiles should be cleaned periodically with non-abrasive, pH-neutral detergents to maintain the integrity of the factory pre-painted steel panel faces. Kitchenette joins, sealants, flashings, and underfloor pipe joints should be inspected annually. Food preparation benches must be sanitized according to standard non-porous hygiene criteria to maintain safe food preparation surfaces.

Legal Disclaimer: This Building Product Information Requirements (BPIR) Declaration is issued by Castle Portable Buildings Limited to demonstrate compliance pathways under the Building Amendment Act 2021. This document relates purely to the volumetric building component configurations as supplied from the factory gates. It does not replace site-specific engineering certifications, resource management authorizations, or local territorial authority building consent declarations.