

CTX110 FIRE RATED UPGRADE PACKAGE (JCoP <6m Rule)

- Standard size windows - *Intumescent vent pairs to be installed adjacent to each standard window (113167).*
- Sanitary windows
- External doors
- Site kits

**** Fire windows are fixed (non-openable). An air conditioning is recommended upgrade for comfort.*

Refer to 360 page for quantity schedule.

ELECTRICAL

DOUBLE SOCKET @500mm FFL DOUBLE SOCKET @1000mm FFL	P.I.R.	2kW PANEL HEATER	3kW INSTANT WATER HEATER
SMART SOCKET @500mm FFL SMART SOCKET @1000mm FFL	32A POWER CONNECTION 63A POWER CONNECTION	1kW/2kW DOWNFLOW HEATER	WALL KETTLE (5L)
DISTRIBUTION BOARD	ELECTRICAL LINK	3kW DOWNFLOW HEATER	HAND DRYER
SWITCHED FUSED SPUR USB FACEPLATE	OFFICE STYLE LIGHT (LED)	TUBULAR HEATER	EXTRACTOR FAN
SWITCH	BATTEN LIGHT	MOBIKA AIR CONDITIONING	IN LINE EXTRACTOR FAN
PULL SWITCH			
SMOKE DETECTOR	BULKHEAD LIGHT (LED)	OIL RADIATOR	THERMOSTAT
EMERGENCY LIGHT			

GENERIC

INTUMESCENT WALL VENT (PAIR)	
PASSIVE WALL VENT (PAIR)	
SHOWER	
WATER INLET / WASTE OUTLET (With Sizes)	
DISABLED WC ALARM (Reset / Pull Switch / Alarm)	
CLEANER'S SINK	

FURNITURE

4 TIER PERSONAL LOCKERS	
2 TIER LOCKERS	
WIRE MESH LOCKERS (4 Doors)	
OPERATOR'S CHAIR	
CLOAKROOM BENCH	
POLY CHAIR	

ORIGINAL SHEET SIZE

A3

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4. All furniture shown is solely for illustrative purposes only. Please refer to contract/quotation for details.

5. Internal floor coverings are standard vinyl unless stated otherwise.

6. Specification and dimensions may vary and can only be confirmed upon unit allocation.

7. Where we supply a non-fire rated building, you confirm that:
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(b) You have not identified and we have not been made aware of any significant fire risks on the Site. You are responsible for taking the specification of the non-fire rated Building into account within your fire risk assessment and construction phase plan for the Site to ensure that a non-fire rated Building is appropriate for your intended use.

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0808 304 9196

CLIENT

Kier

PROJECT

M15

TITLE

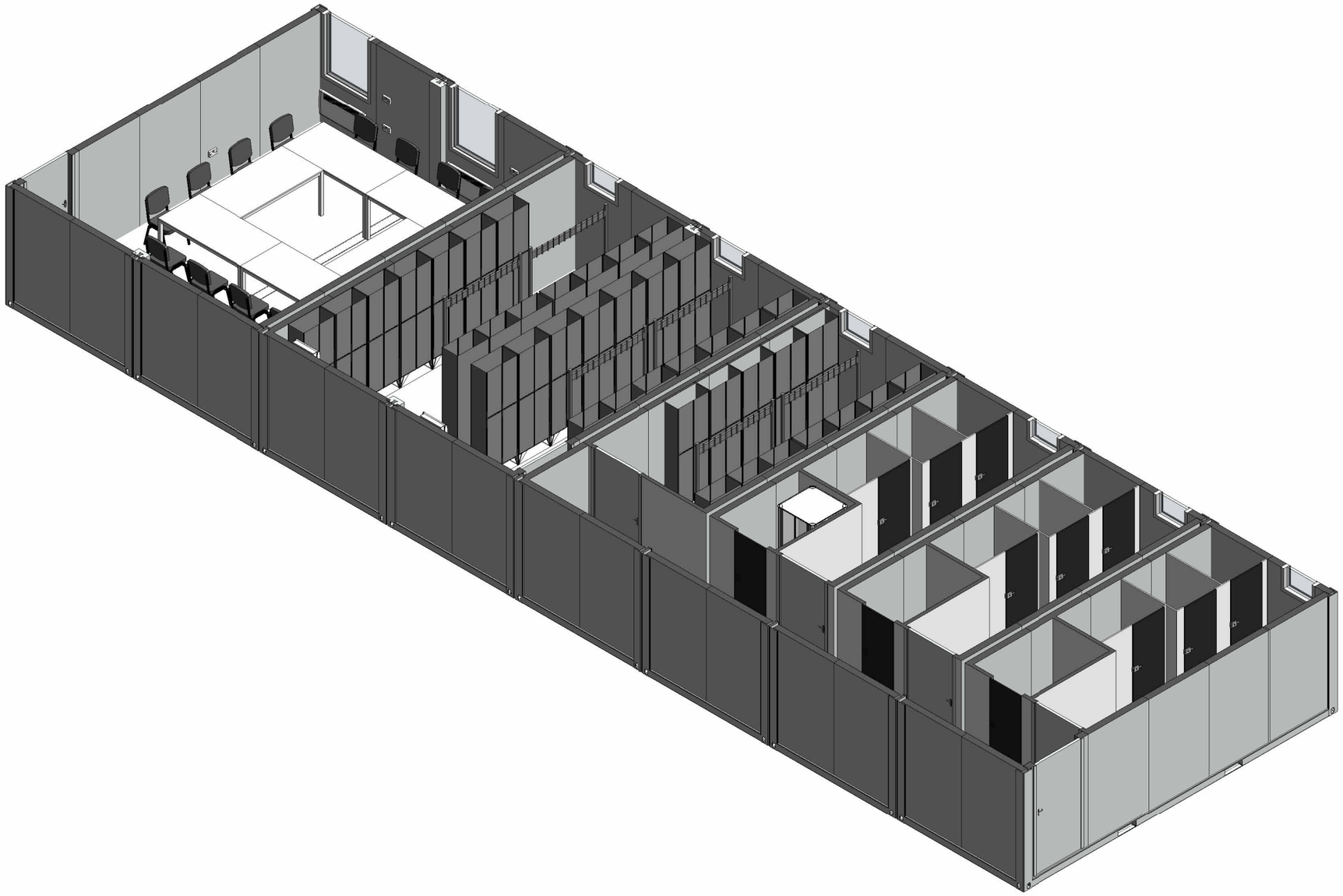
Ground Floor Plan

QUOTE NUMBER

SCALE	DATE	DRAWN	CHECKED
As indicated	25.08.26	AWM	

DRAWING NUMBER — REVISION

G2046C — **E**



ORIGINAL SHEET SIZE

A3

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Ground Floor 3D

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G2046C **E**

Electrical Loading NEW				
Family	Type	Count	Total Load	**Diversity Factor (75%)**
15L Water Heater CTX	ANDRIS LUX 15 UR 2KW EU	4	57.40 A	**43.05 A**
500W Heater	Standard	8	17.36 A	**13.02 A**
Canteen Sink Unit MASTER	White	1	21.74 A	**16.31 A**
CTX Bulkhead Light (Spartan)	CTX Bulkhead Light (Spartan)	3	0.27 A	**0.20 A**
CTX LED Batten 5'	CTX LED Batten 5'	16	2.88 A	**2.16 A**
CTX Office Light	CTX Office Light	44	7.92 A	**5.94 A**
CTX Panel Heater	Standard	2	17.40 A	**13.05 A**
Double Plug Socket at 500	Alone	35	38.15 A	**28.61 A**
Double Plug Socket at 1000	Alone	3	3.27 A	**2.45 A**
Double Plug Socket at 1000	With low level	17	18.53 A	**13.90 A**
Hand Dryer	Standard	7	36.54 A	**27.41 A**
High Level Heater 3kW	Standard	2	26.00 A	**19.50 A**
Panel Heater	Standard	8	69.60 A	**52.20 A**
Shower Redring Pure 8.5	Standard	1	36.96 A	**27.72 A**
Tube Heater	TH02B (2ft)	1	0.78 A	**0.59 A**
Wall Kettle	HS005	1	13.04 A	**9.78 A**
Water Heater 10L	Standard	1	8.70 A	**6.53 A**
154			376.54 A	282.41 A

Connection Totals	
32A Connection	12
63A Connection	1

Grand total: 13

Clarifications

This table shows the quantity of connections required for the CTX building shown.

Connections will be generator plugs on the shortside ends of the units.

Some units will be linked (daisy chained) to other units to reduce the number of connections required.

On the layout, the red lightning bolts represent a 32A connection, a black connection symbol denotes a 63A connection.

Assumptions & Clarifications

CANTEENS
Canteen modules assume a **3kW** allowance for appliances.

Typical reference values:
- Toaster @ 800Watts
- Dishwasher @ 1800Watts
- Kettle @ 2200Watts
- Fridge @ 150Watts
- Microwave @ 800Watts

DOUBLE SOCKETS
Double sockets assume a 250W allowance each.

TUMBLE DRYERS
Changing rooms do not include a tumble dryer allowance (unless specifically stated)
We recommend to add 8.15 Amps (2500Watts) per tumble dryer.

SHOWERS
The estimated usage of showers will make a significant difference to the Total Connected Load.

AIR CONDITIONING
Air conditoning demands around a third or even a quarter of the energy compared to a typical conventor heater. The drawings by default will show the loading for conventor heators unless the table shows otherwise.

IMPORTANT NOTE:

The electrical loading indicated in the above table shows the **Total Connected Load without diversification**. This should be considered the minimum required load to operate the setup illustrated and further discretion should be applied when considering what will be connected to the electrical system on site.

We recommend further site diversity is applied (depending on the estimated usage of the building). This would typically be around **75%** of the Total Connected Load.

If power supply requirements are restrictive, or there are specific site requirements please contact your Algeco sales representitive.

Algeco can also provide a range of smart technology and HVAC/Air Conditioning systems through our 360 services to support the drive towards sustainability, please enquire for further details.

ORIGINAL SHEET SIZE

A3

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M15

TITLE
Electrical

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SCALE	DATE	DRAWN	CHECKED
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DRAWING NUMBER **G2046C** REVISION **E**

MOBIKA CALCULATOR (HOW TO USE):
1. Ignore rooms(lines) under 10m2 and those which don't require air conditioning.
2. Add the total relevant lines under 'Economy Provision'

Mobika Unit Recommendations			
Name	Area	Max. Comfort Setting	Economy Provision
Ground Floor Level			
Changing Room	27 m²	2	1
Female Changing Room	10 m²	1	1
Meeting Room	27 m²	2	1
First Floor Level			
Office	13 m²	1	1
Open Plan Office	184 m²	8	6
Meeting Room	27 m²	2	1
Canteen	13 m²	1	1

Furniture Schedule			
Family	Type	Count	BC Part Number
Cloakroom Bench	1520mm	6	105205
Conference Chair	Conference Chair	36	109227
Drawer Pedestal	Drawer Pedestal	65	109223
Office Swivel Chair	Office Swivel Chair	65	109225
Table	<varies>	32	<varies>
Table (Small)	1200x600	39	109222
Wire Mesh Lockers	Standard	40	101742

**A fire rated building should have ALL windows upgraded nominally - Use this schedule as an error check to ensure all windows have been accounted for.

Window Schedule (for Fire Rated Upgrades)	
Family	Count
CTX110 FR High Level Window	7
CTX110 FR Window	12
Grand total: 19	19

Door Schedule (for Fire Rated Upgrades)	
Family	Count

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PROJECT
M15

TITLE
360 Items

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SCALE	DATE	DRAWN	CHECKED
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DRAWING NUMBER REVISION

G2046C **E**