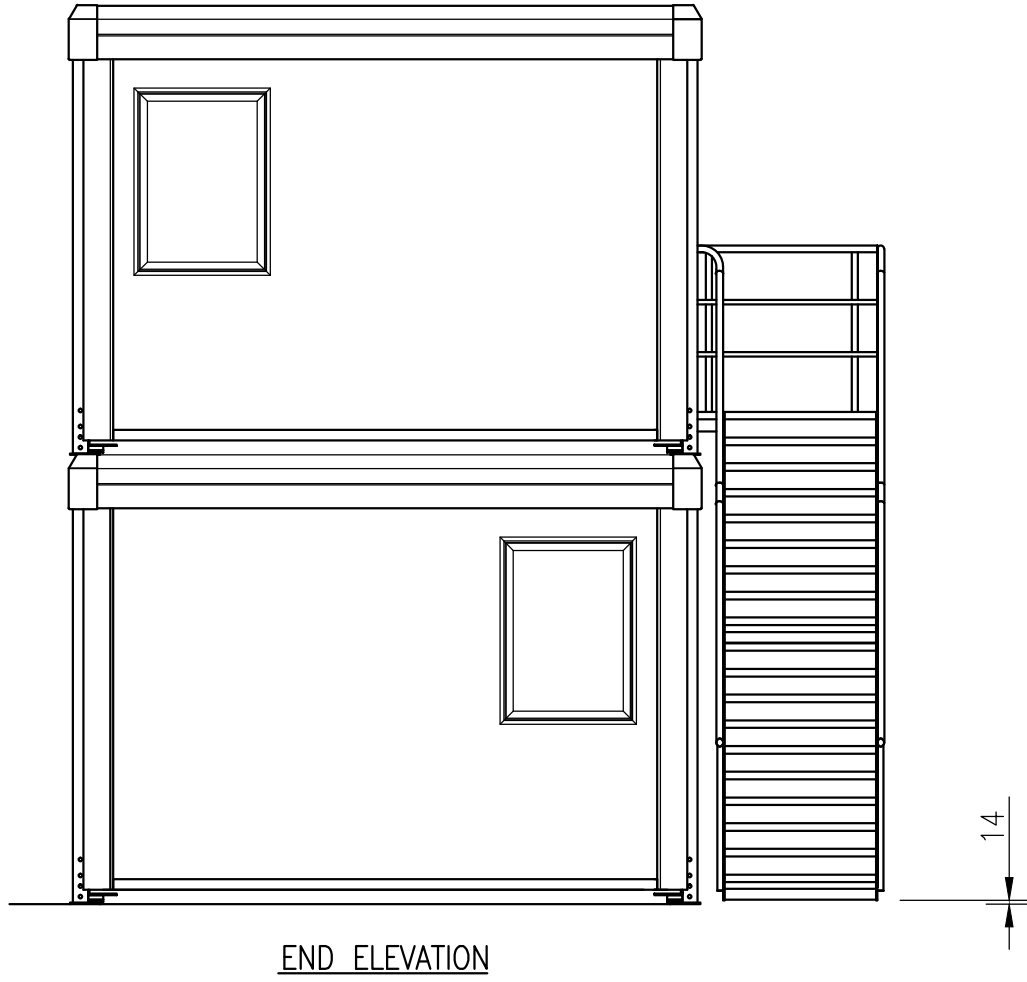
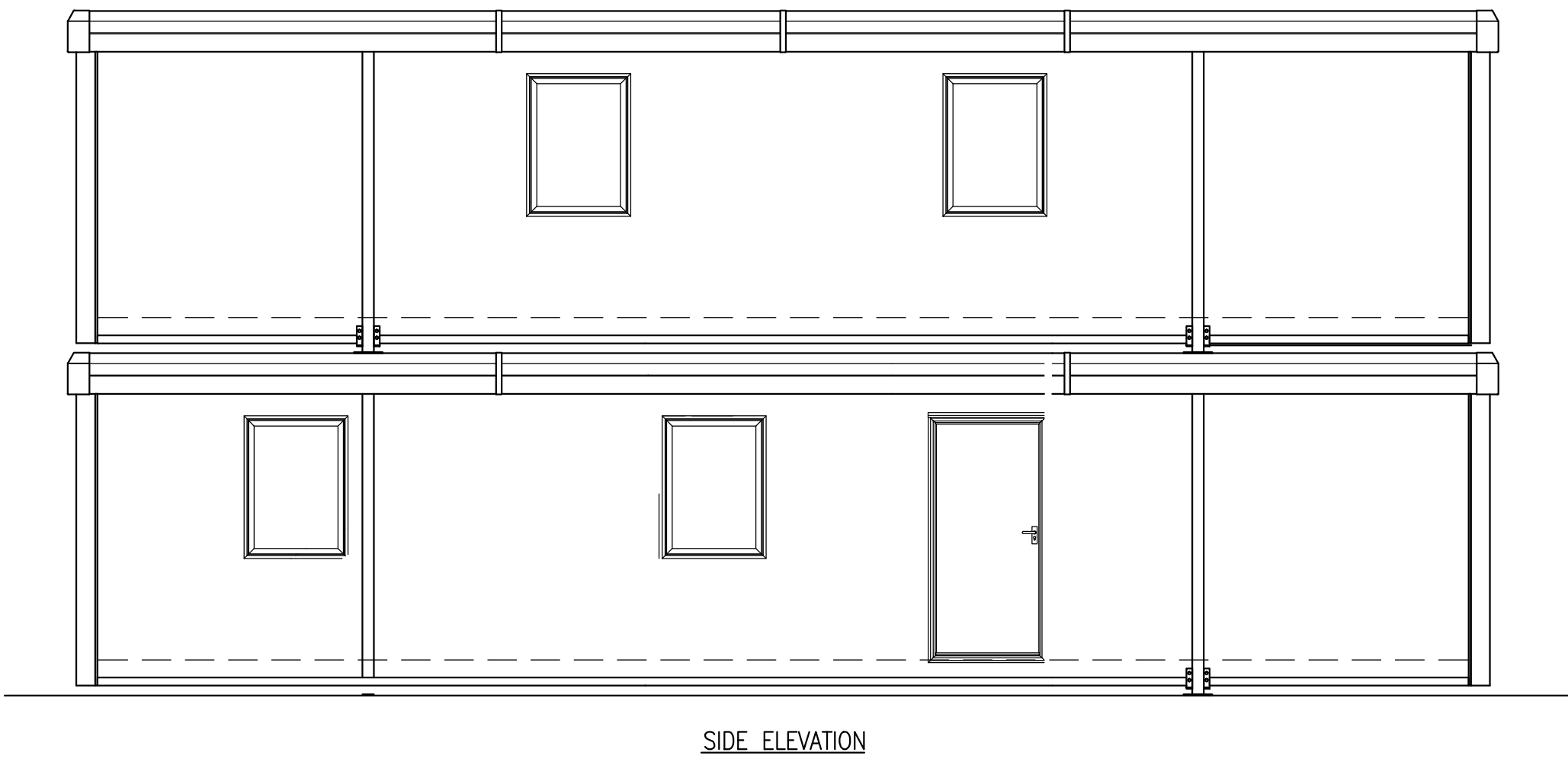
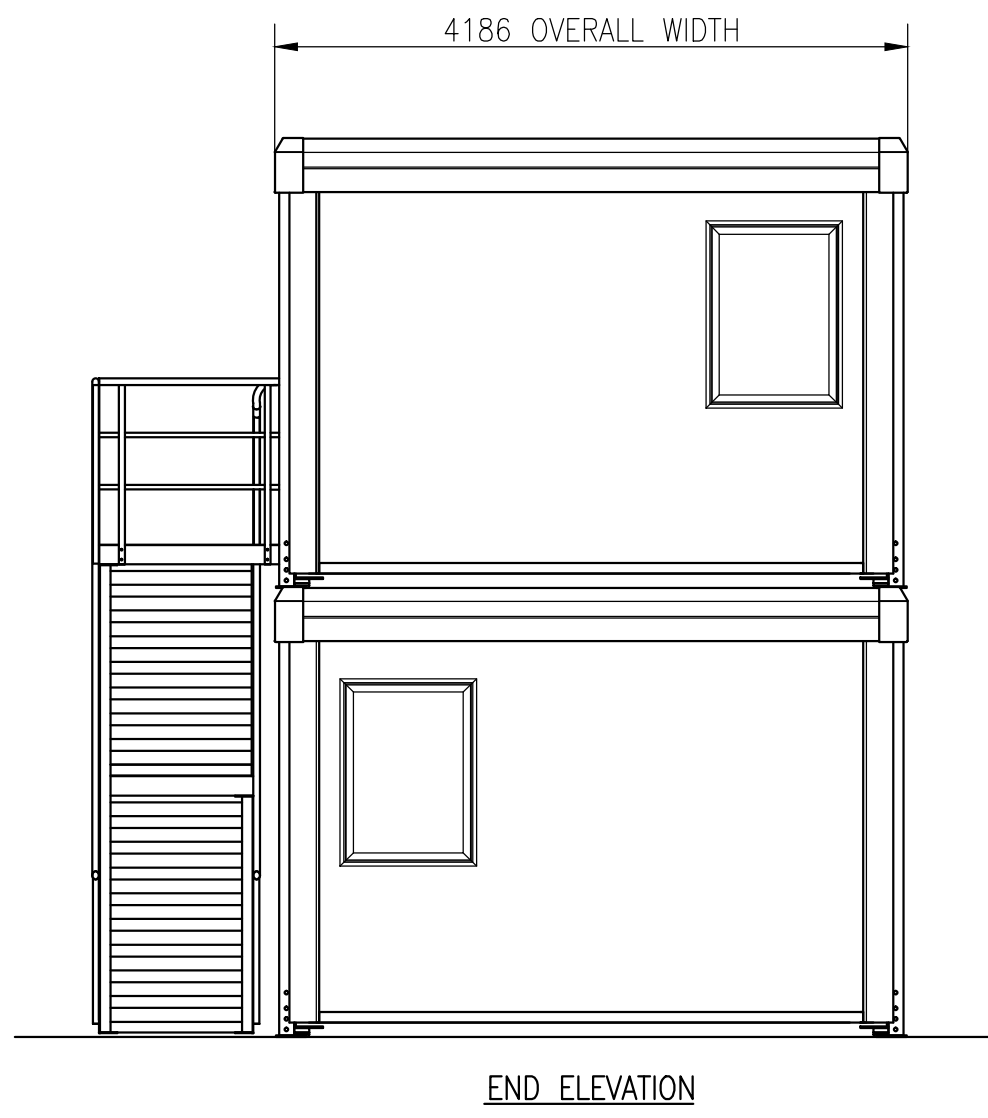
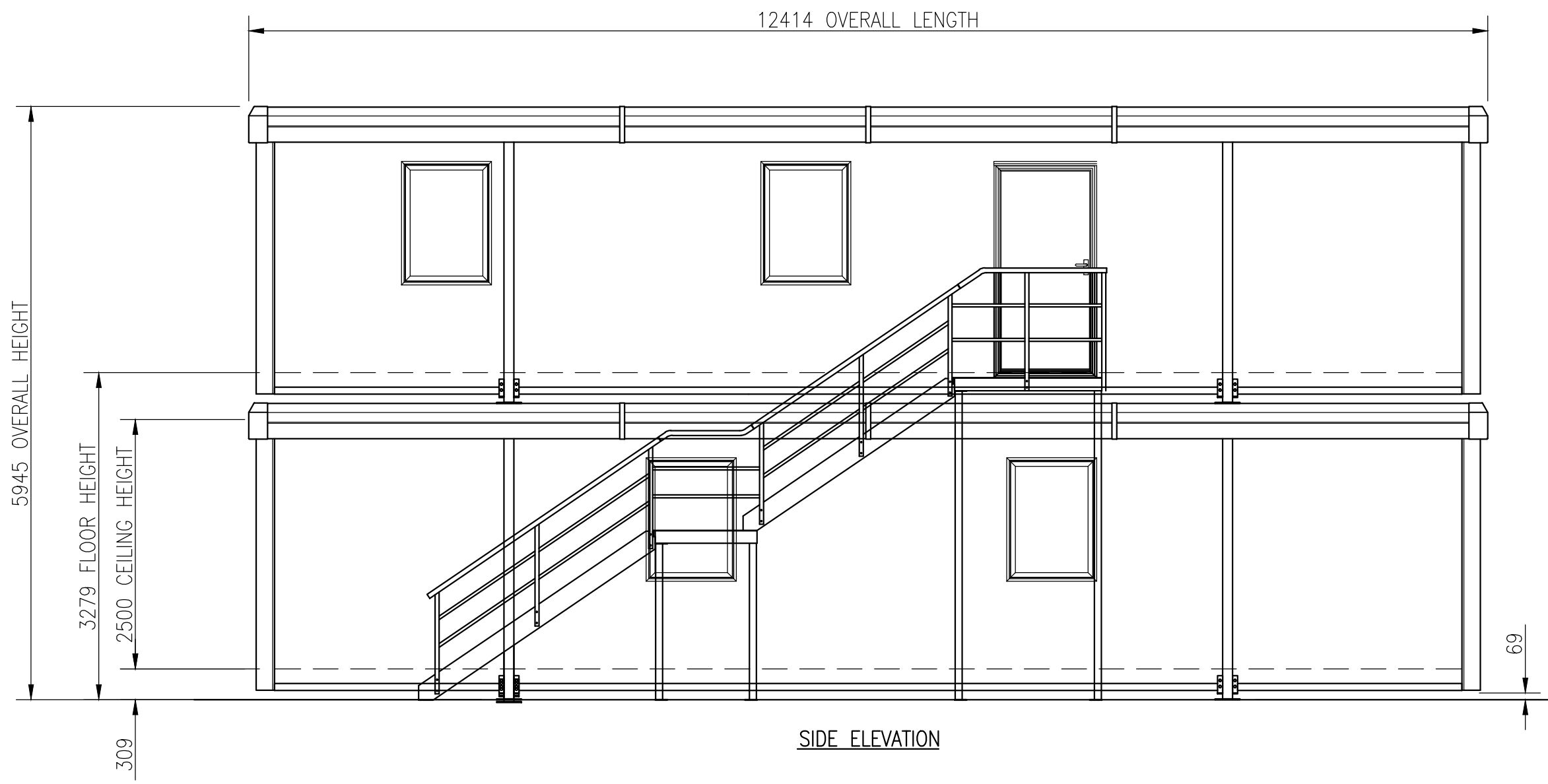




The buildings and staircases require pad foundations or a hardstanding capable of supporting the loadings given below. Foundations are to be designed in accordance with BS 8004. It is recommended that professional advice is obtained for the design of the foundations. Point of support should be in the same level plane to a tolerance of $\pm 3\text{mm}$. When pad foundations are to be used they should be of sufficient size to ensure that the anchor bolts for the building and staircase can be positioned far enough away from the edges of the foundations as recommended by the anchor

The top level of the foundations must ensure a clearance between the ground and the underside of the building.

FOUNDATIONS – BUILDING

Buildings having the same leg centre dimensions can be double stacked. All buildings must be sited with the Lodastrut legs fully retracted and with all leg pins fitted through the outer legs and secured by pulling the chain tight and securing on the hook adjacent to each leg. The lower buildings must be anchored to the foundations at each of the 4 Lodastrut leg positions using the anchor bolts detailed below. The upper and lower buildings must be bolted together at each of the 4 Lodastrut leg positions with M22 bolts (strength grade 8.8), washers and self locking nuts (strength grade 8).

Anchor bolt : Manufactured by Hilti (Great Britain) Ltd.
Adhesive anchor ref. HAS–R M20 X 240mm stainless steel anchor rod complete with nut and washer.
Adhesive cartridge ref. HEA M20 X 170mm.

FOUNDATIONS – STAIRCASE

The staircase must be anchored to the foundations at each of the landing leg and flight string positions using the anchor bolts detailed below. The landing must be bolted to the building structure using the brackets supplied with

Anchor bolt : Manufactured by The Rawlplug Company Ltd.
Through Bolt code 56–628, M10 X 80mm stainless steel anchor rod complete with nut and washer.

FOUNDATION LOADINGS

The foundation loadings for the building include the shell weight of the standard buildings, an imposed design floor load of 3kN/m^2 (per storey), an imposed design roof load of 0.75kN/m^2 and an applied basic wind speed of 25 m/s (BS 6399:part 2:1997).

The foundation loadings for the staircase include the weight of the staircase and an imposed design floor load

Foundation Position 1	-----	3 kN)
Foundation Position 2	-----	5 kN)
Foundation Position 3	-----	3 kN)
Foundation Position 4	-----	3 kN)
Foundation Position 5	-----	5 kN)
Foundation Position 6	-----	5 kN)
Foundation Position 7	-----	5 kN)
Foundation Position 8	-----	5 kN)

Staircase

Foundation Position 9 ----- 117 kN) Building

UNIT STANDARD COLOURS

External: Walls and wall trims	Goosewing grey BS ref 10 A 05
Corner trims	Silver
Roof	White nearest BS ref 00 E 05
Lodastrut legs	Grey BS 4800 ref 10 A 05
Doors	Goosewing grey nearest BS ref 10 A 05
Fascia	Grey RAL 7042
Windows	Blue foil wrapped ref. Renolit – Werke GmbH 515005–167

STAIRCASE DIMENSIONS

STAIRS

Rise	-----	170
Rise O/A	-----	3230
Going	-----	250
Twice Rise Plus Going	-----	590
Pitch	-----	34.2°
Tread width	-----	270
Overlap of treads	-----	20
Width between strings (unobstructed width)	-----	1000
Width between handrails	-----	1012
Handrail diameter	-----	48
Flight O/A width (handrail)	-----	1108
Handrail Ht (Vertically from pitch line)	-----	900
Length O/A (including landing)	-----	6889

LOWER FLIGHT

Going O/A	-----	2250
Rise O/A	-----	1700

UPPER FLIGHT

Going O/A	-----	2000
Rise O/A	-----	1530

SIDE DOOR LANDING

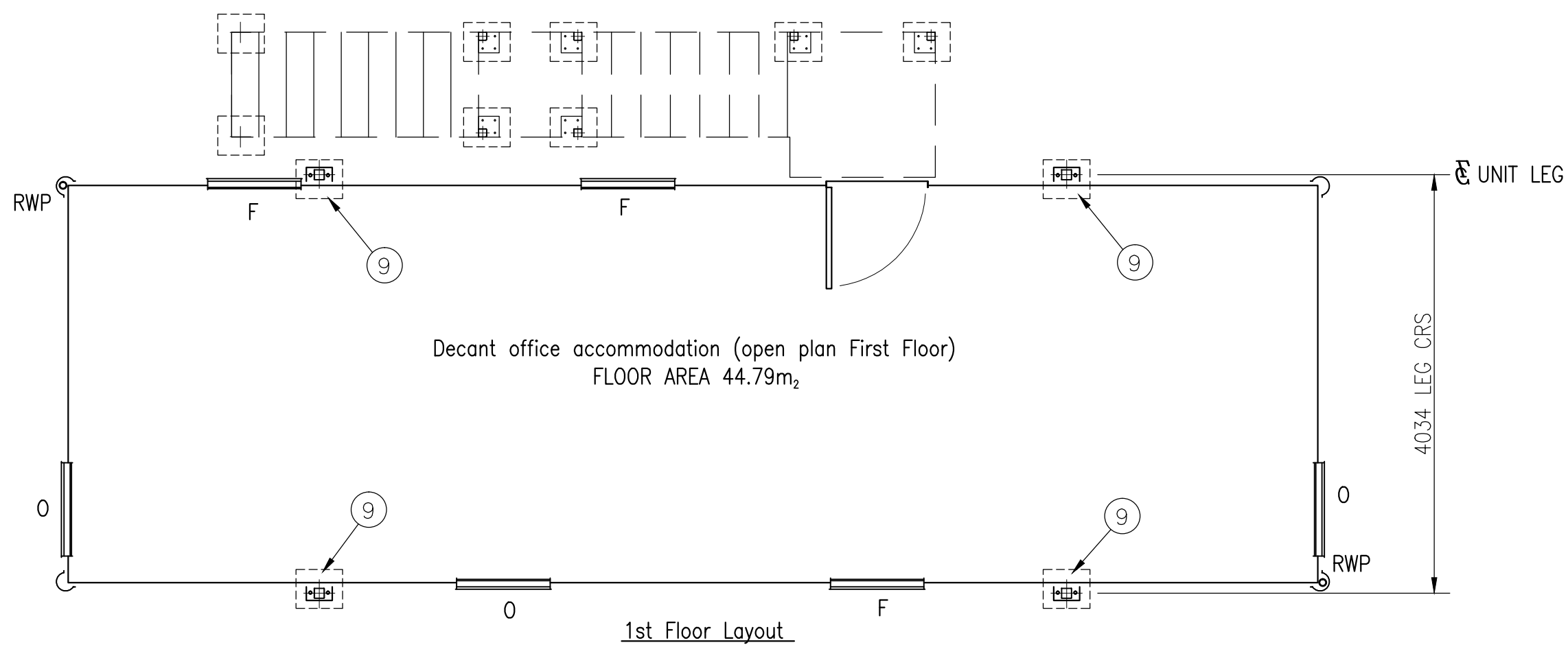
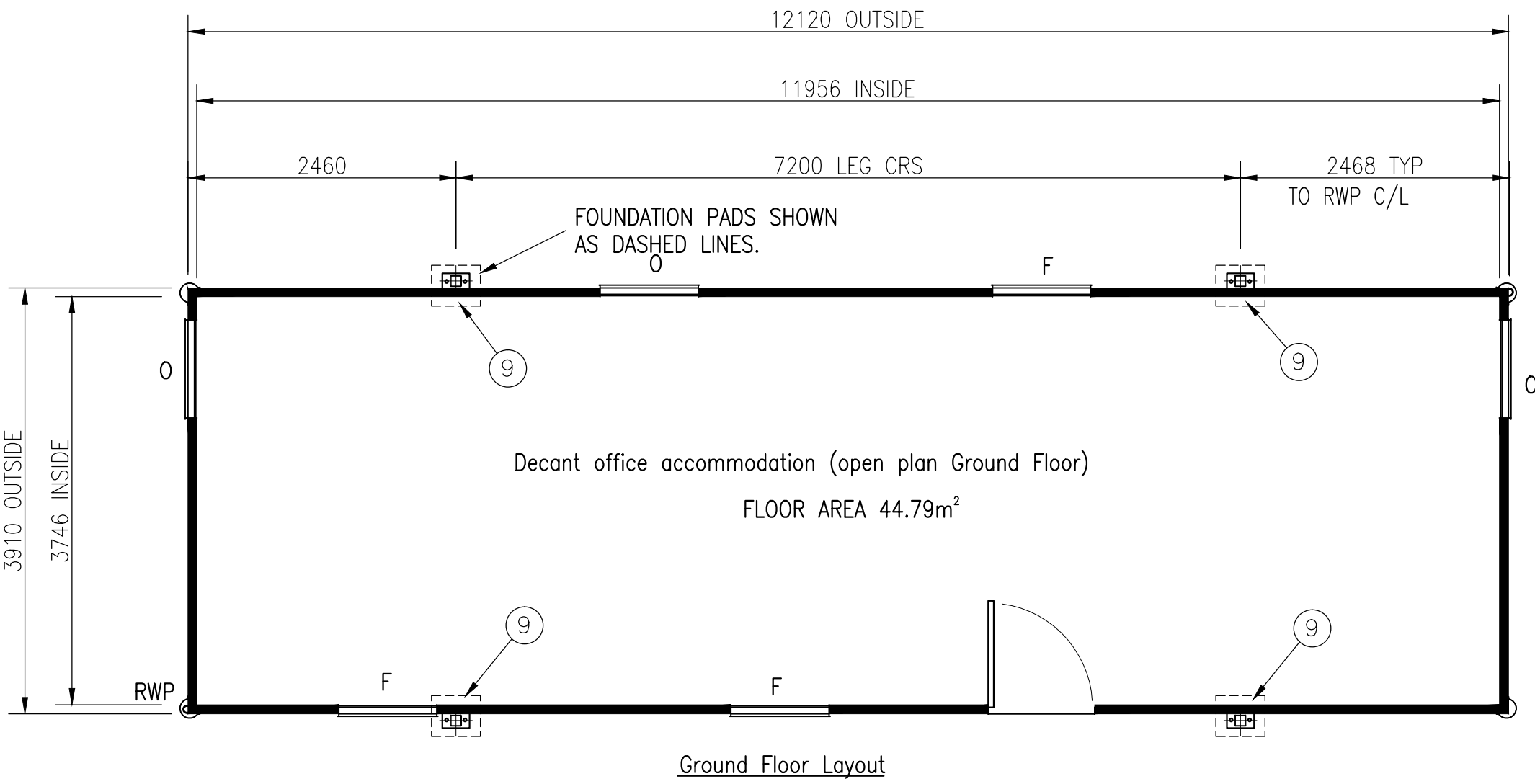
Width O/A	-----	1400
Length O/A	-----	1423
Handrail Height	-----	1100

INTERMEDIATE LANDING

Width O/A	-----	1012
Length O/A	-----	997
Handrail Height	-----	1000

STAIRCASE STANDARD COLOURS

Balustrade/handrail	
Landing legs	) Blue Grey BS 4800 18 B 29
Exposed faces of landing frame	
Landing frames	
Landing platforms	) Natural colour zinc coating
Flight treads	
Flight strings	



Portakabin Limited Huntingdon York Y032 9P
Telephone 01904 611655 * Fax 01904 611644

Project	Temporary Portakabin buildings
Client	Paul Strickland Scanner Centre
Title	TN124 Two Storey Building
Date	27.11.15
Drawn	HDLAP
Scale	1: 50 @ A0
Drng. No.	271115
Rev.	