8.1 Introduction

This chapter contains a simplified version of the technical documentation. The simplification is to enable legibility and scale.

It is believed that the technical documentation should be read in conjunction with the other chapters, especially Chapter 2 and Chapter 7.

The intent of the documentation is to show intent rather than complete working drawings.
8.2 Documentation
North Elevation

Scale 1:200
East Elevation

Scale 1:200
South Elevation

Scale 1:200
West Elevation

Scale 1:200
Chromadek Brownbuilt Klip-Lok 700 roof sheeting at 3’ pitch
75x50x20x25mm MS Lipped Channel Purlins
1 Beam rafters : 3’ pitch at 1000mm centres
100 x 75 mm Galvanized sheetmetal gutter
Ø80mm Galvanized sheetmetal rainwater downpipe
40mm roof insulation
12mm Gypsum plaster ceiling boards.

Reinforced concrete roof to engineers details
with cement screed laid to fall to outlets with
fillet or mortar coves to all internal corners
all primed and covered with approved torch-on
waterproofing by firm of specialists to
manufacturers Specification.
Cast iron fullbore roof outlets & rwp’s.

Central Core Roof Detail
Scale 1:20
Central Core Roof Detail

Scale 1:20

Electronically Controlled Window

Expansion Joint sealed with sealer.

Reinforced concrete roof to engineers details with cement screed laid to fall to outlets with fillet or mortar coves to all internal corners all primed and covered with approved torch-on waterproofing by firm of specialists to manufacturers Specification. Cast iron fullbore roof outlets & rwp's.

R.C. Slab To Engineer's Design

Suspended Ceiling
Chromadek Brownbuilt Klip-Lok 700 roof sheeting complete with closures and Polyclosures

Ø6mm Galvanized hook bolts

75x50x20x2.5mm MS Lipped Channel Purlin

100x55x8.1 IPE Beams at 1000mm cts

100x50x20x2.5mm MS Lipped channel Beam Filling

40mm Organic Roof Insulation

100x55x8.1 IPE Beam

12mm Gypsum Plaster ceiling board

20x5mm MS flat bar welded to IPE beam

Window frames fixed to 100x50mm MS Sq tubing supports

Roof Detail (Central Core)

Scale 1 : 10
Expansion Joint Detail

Cover-plate Fixed on only one side
Galvanised Nail through Coverplate at 250 centers
Mastic Filler
Sliding Bearing

Scale 1:20
First Floor Slab Overhang Detail

Wall Tie at 1/m? Centers
50mm Cavity
110mm Masonry Brick Wall
Weep Hole at max 500 Centers
Damp Proof Membrane
110mm Masonry Brick Wall
Slab With Down-stand Beam
Chamfered Edge
Drip

Scale 1 : 10
Second Floor Slab Detail

Wall Tie at 1m? Centers
50mm Cavity
110mm Masonry Brick Wall
150x150x10 Structural Stainless Steel Angle
Mastic Filler
M20 Rawl Bolt Fixed to Concrete Slab at 300 to 400 Centers
Not Through Main Reinforcement
Down-stand Beam
Minimum 10mm Movement Gap
Patent Suspended Ceiling

Scale 1 : 10
2400 Concrete Palisade
125x75x20x3 Lipped Channel
ϕ16x90 Steel Bolt and Nut
4-Omm Thread
80x80x4 Mild Steel
Square Tubing
180x91x18.8 IPE Beams

50x6 Flat bar
welded along length
of Shading Device

50x80x6 Flat bar

ϕ16 Rawl Bolts fixed
to Concrete Slab

MS Base-Plate
Welded throughout.

Section

Cover-plate Fixed
125x75x20x3
Lipped Channel
80x80x4 Mild Steel
Square Tubing
MS Base-Plate
Welded throughout.

180x91x18.8 IPE Beams

Shading Device Detail
Scale 1:20

Elevation

Plan
Shading Device
Assembly
Balustrade Detail
Scale 1:20

Support Detail
Scale 1:10

Elevation

Plan

Section

76x76mm Meranti Supports
at 2400mm centres

50x16mm Meranti Balusters
at 76mm centres

25x16mm Meranti vertical cleat

Ø6x45mm Countersunk Brass Plated screws

50x16mm Meranti Balusters screwed to supports

2°

90x90mm Meranti handrail

50x16mm Meranti Balusters
at 76mm centres

76x76mm Meranti Supports
at 2400mm centres

Galvanized MS Bracket manufactured of 80x5mm MS plate with 180x180x5mm MS Base Plate—Welded throughout.

4 of Galvanized M16 MS Rawl bolts