08_DESIGN RESOLUTION:
8.1 PRESENTATION
BLOCK A: GROUND FLOOR PLAN_1:250
DETAIL 01: SCREEN PROFILES AND FIXING _1:15
DETAIL 02: ROOF EDGE DETAIL _1:20

- **Concrete Upstand with Charned Edges and 50mm Overhang**
- **20mm Thick Layer of Washed & Crushed 10mm Stone**
- **Geotextile Applied on Top of Modified Bitumenous Torch-on Membrane**
- **3D Minimum Screeed to Fall 1:50 According to Engineers Details and Specifications**
- **150mm x 175mm Vertical Roof Outlet Laid with Flat Granite**
- **Drip Joint**
- **480 x 250mm Reinforced Concrete Beam**
- **250 x 250mm Reinforced Concrete Column with 110 Downpipes Cast In-Situ**

**Downpipe Requirements:**
- 140m² / 1000m²
- Total Area Roof = 7600m² = 7600000m²
  - 110 Downpipes in Columns = 90000m² Each
  - Total Downpipes Required = 90000m² / 9000m² = 9
  - Thus 9 x 110m Downpipes Required
180x30mm GSA SmartGlass Armourplate®
GREY TOUGHENED SAFETY GLASS, COMPLYING
WITH SANS 1263 PART 1, 2 OR 3 WITH NAME
OF THE MANUFACTURER PERMANENTLY MARKED
ON EACH SHEET VISIBLE AFTER GLAZING,
GLAZED IN ACCORDANCE WITH NBR N SCHEDULE
1 AND SABS 0137 AND SIGNED OFF BY A
COMPETENT STRUCTURES OR GLAZING SPECIALIST.

SILICON SEAL

NEOPRENE GASKET

45x45mm EQUAL LEG STEEL
ANGLE SOLDERED TO UNEQUAL LEG

50x100mm UNEQUAL LEG ANGLE
BOLTED ONTO CONCRETE FLOOR
SLAB

DETAIL 03: CONNECTION BETWEEN BLOCKS E+F5_1:5
8.4 SITE MODEL

Figure 8.1: View from southeastern corner.
Figure 8.2: View from southeastern corner - Block A.
Figure 8.3: Eastern entrance - Block A.
Figure 8.4: View from northeastern corner - Block A.

Figure 8.5: View from east.

Figure 8.6: View from east.
Figure 8.7: View of Block E from southwest.

Figure 8.7: Southern elevation - Minnaar street.
Figure 8.8: New link to Minnaar street

Figure 8.9: Western elevation - Block E
Figure 8.10: Northeastern view of courtyard.

Figure 8.11: Northwestern view of courtyard.

Figure 8.12: Southwestern view of courtyard.
Figure 8.13: View of courtyard - bridge.

Figure 8.14: View of courtyard.

Figure 8.15: View of courtyard - main entrance east.
8.5 STRIP MODELS

Figure 8.16: Strip model - Block A

Figure 8.17: Strip model - Block C

Figure 8.18: Strip model - Block C