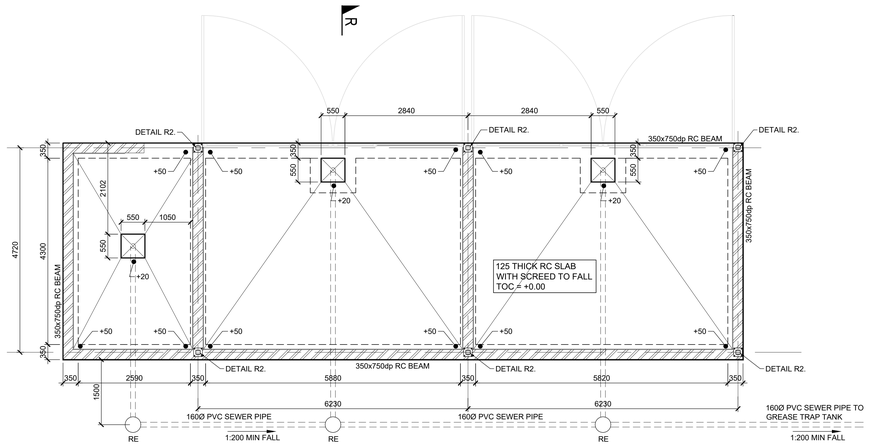
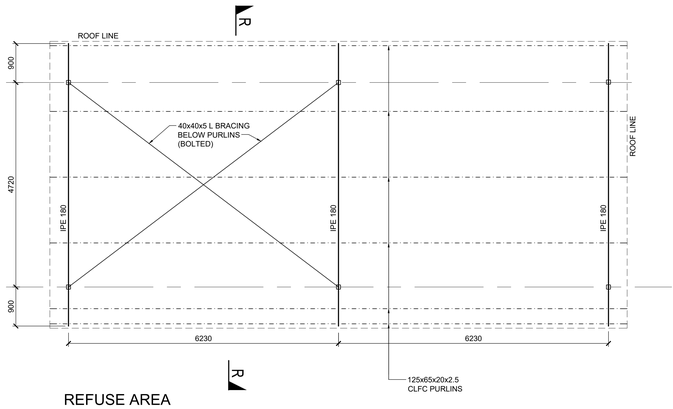


REFUSE AREA
GROUND FLOOR PLAN
SCALE 1:50



REFUSE AREA
ROOF PLAN
SCALE 1:50

REBAR ESTIMATE:

1. SUSPENDED SLAB - 110Kg/m³
2. BEAMS - 220Kg/m³
3. COLUMNS - 210Kg/m³
4. BASES - 80Kg/m³
5. RAFT FOUNDATION - 97Kg/m³

RAFT NOTES:

1. CONCRETE MIX: RAFT - 30MPa/19mm WITH LOW WATER CEMENT RATIO OF ≤0.55
   BASES - 25MPa/19mm
   BLINDING - 15MPa/19mm
2. THE RAFT SHALL NOT BE CAST PRIOR TO APPROVAL OF SUITABLE SUB-BASE COMPACTION
3. THE FLOOR SHALL BE WET CURED FOR 5 DAYS
4. THE CONTRACTOR MUST REMOVE ALL FOREIGN MATERIAL AND LOSE SILT FROM PLATFORMS BEFORE CONSTRUCTION COMMENCES
5. TRIM PLATFORMS TO CORRECT LEVELS AND DISPOSE OR FILL WITH IMPORTED NATURAL GRAVEL OF G7 QUALITY AND COMPACT TO 93% MOD AASHTO DENSITY
6. CONSTRUCT A 50mm THICK CLEAN RIVER SAND BEDDING UNDER ALL FLOOR SLABS COMPACTED TO 93% MOD AASHTO DENSITY BEFORE REBAR OR DPM IS INSTALLED
7. THIS DRAWING TO BE READ IN CONJUNCTION WITH ARCHITECTS' DRAWINGS
8. ENGINEER TO APPROVE REINFORCEMENT PRIOR TO CASTING
9. ENGINEER TO INSPECT ALL FOUNDATIONS EXCAVATIONS PRIOR TO POURING BLINDING
10. ALL FORMED SURFACES SHALL BE SMOOTH OFF SHUTTER UNLESS HIDDEN

CONCRETE COVER:

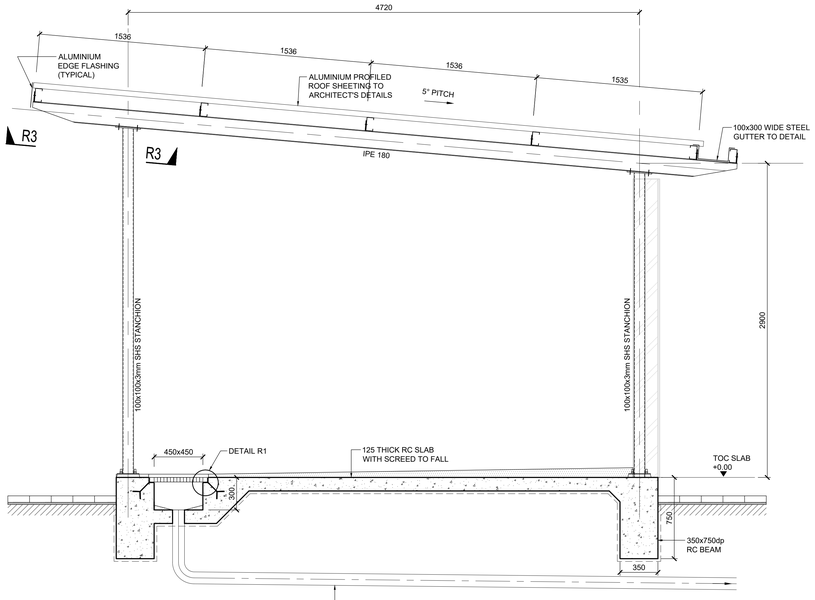
1. RAFT FOUNDATION BEAMS SIDES - 40mm
2. RAFT FOUNDATION SLAB TOP - 25mm
3. RAFT FOUNDATION SOFFIT - 40mm

DEGREE OF ACCURACY:

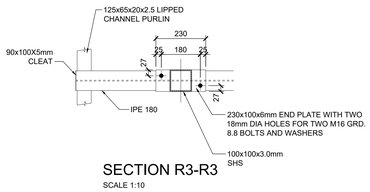
1. ALL CONCRETE WORK TO DEGREE ACCURACY II
2. ALL SURFACES FORMED WITH SMOOTH SHUTTERING FOR OFF SHUTTER CONCRETE TO BE DEGREE OF ACCURACY I

REBAR ESTIMATE:

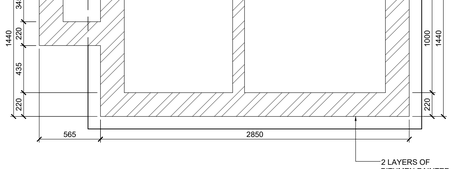
1. 97Kg/m³ CONRETE



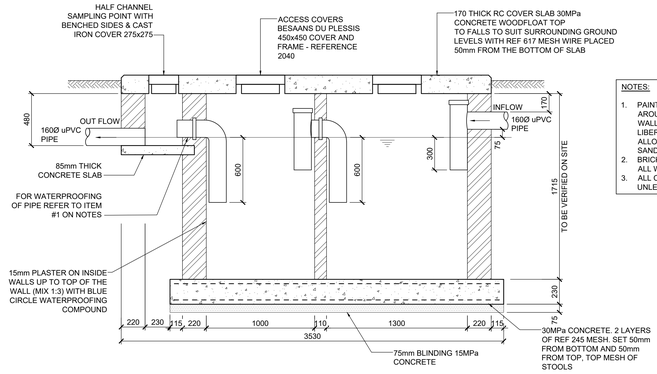
SECTION R-R
SCALE 1:20



SECTION R3-R3
SCALE 1:10



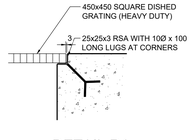
GREASE TRAP
PLAN LAYOUT
SCALE 1:20



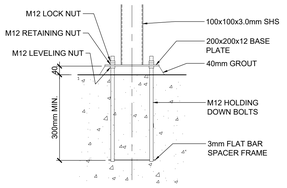
NOTES:

1. PAINT ON uPVC PLASTIC CEMENT AROUND PORTION OF PIPE THROUGH WALL. APPLY CONCRETE SAND LIBERALLY TO COVER WET CEMENT. ALLOW TO DRY AND REMOVE LOOSE SANDS.
2. BRICK-FORCE IN EVERY LAYER ON ALL WALLS
3. ALL CONCRETE TO BE 25MPa/19mm UNLESS NOTED OTHERWISE

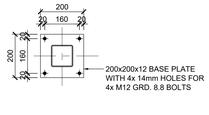
SECTION THRU GREASE TRAP
SCALE 1:20



DETAIL R1
SCALE 1:10



SECTION



PLAN

BASE DETAIL R2
SCALE 1:10

ISSUED FOR TENDER

ALL DIMENSIONS AND LEVELS ARE TO BE VERIFIED ON SITE BY THE CONTRACTOR BEFORE COMMENCING ANY WORK.

THE COPYRIGHT IN THIS DRAWING, INCLUDING THE DESIGN AND DETAILS SHOWN HEREON, IS RESERVED BY THE ENGINEER.

STRUCTURAL STEEL NOTES:

1. ALL BOLTS TO BE GRADE 8.8 U.N.O.
2. ALL WELDS TO BE 6mm FW U.N.O
3. DIMENSIONS TO EXISTING TO BE CONFIRMED ON SITE
4. SHOP DRAWINGS TO BE APPROVED BY ENGINEER PRIOR TO FABRICATION
5. STEEL GRADES:
   HOT ROLLED SECTIONS - S355JR
   HOLLOW SECTIONS - S355
6. ALL STEELWORK TO BE HOT DIPPED GALVANIZED
7. APPLY 2 LIBERAL COATS OF "ABE" FLINTCOAT TO BURIED STEEL FOR CORROSION PROTECTION
8. HD BOLTS TO BE CAST MONOLITHICALLY WITH STUB COLUMNS

Consultant Signature

ECSA REG NO: 2014470009
NHBRC REG NO: 126308441

No	Date	Details	Drwn	Chd
A	27/09/18	ISSUED FOR TENDER	AJ	MM

Client

east london idz
business streamlined

CONSULTING CIVIL & STRUCTURAL ENGINEERS
8A BONZA BAY ROAD
BEACON BAY
EAST LONDON
TEL:
FAX: 086 608 3511
EMAIL: info@znmeng.co.za

Discipline: STRUCTURES

Consultant Signature

Drawn	Designed	Checked	SIZE
AJ	LM	MM	A0

Project: D-FENCE FACTORY

Description: COVERED REFUSE AREA LAYOUT & DETAILS

Scale	Date
AS INDICATED	AUG 2018

Project No.	Drawing No.	Revision
E032/330/007		A