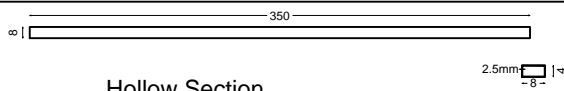
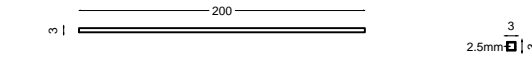
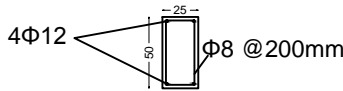


# Technical Data: Steel Fence (L=300m)

Nr	Description	Section	Length	Quantity
1	 Hollow Section	8cm*4cm	350cm	150
2	 Hollow Section	3cm*3cm	208cm	300
3	 Concrete Tie beam	25cm*50cm	300m	37.5 m^3

## Specification

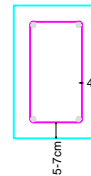
Pos.	Description	Profile	Quantity
1.	Chain Link Fence	40mm*40mm Galv. Wire diam. 4mm	900 m^2

## 2- REINFORCING STEEL:

- 2-1 ALL REINFORCING DEFORMED BARS SHALL BE NEW BILLET STEEL IN ACCORDANCE WITH ASTM A615, GRADE 60 (Fy = 420 MPa- NON WELDABLE).
- 5-2 ALL REINFORCING SPLICES SHALL CONFORM TO THE REQUIREMENTS OF CHAPTER 12 ACI 318.

## 3- BEAMS & GIRDERS:

- 3-1 NO SPLICE SHALL BE PERMITTED ON BEAMS AND GIRDERS WHERE CRITICAL BENDING STRESS OCCURS. TENSION SPLICE IF REQUIRED SHALL BE 50 DIA. FOR ALL BARS. LAP SPLICES SHALL BE WIRED TOGETHER. SPLICE TOP BARS AT MID SPAN, BOTTOM BARS AT SUPPORT, NOT MORE THAN 50% OF THE BARS AT ANY ONE SECTION SHALL BE PERMITTED TO BE SPLICED.
- 3-2 CLEAR COVER FOR REINFORCING BARS OF DROP BEAMS SHALL BE AS SHOWN.



## 4- CONCRETE MIXES & PLACING:

### 4-1 TYPE OF CONCRETE :

- CONCRETE FOR STRUCTURAL ELEMENTS : MINIMUM 350 KG OF CEMENT PER CUBIC METER OF CONCRETE. MAX W/C=0.60.
- SLUMP PER SPECIFICATIONS.

### 4-2 THE MINIMUM 28 DAYS COMPRESSIVE STRENGTHS IS:

- BEAM: F'c=25 MPa

### 4-3 THE PORTLAND CEMENT USED IN THE CONCRETE MIX SHALL BE AS FOLLOWS:

- FOR ALL CONCRETE ABOVE GROUND FLOOR LEVEL : TYPE 1
- FOR ALL CONCRETE BELOW GROUND FLOOR LEVEL INCLUDED : TYPE 2 OR TYPE 1 AS RECOMMENDED BY THE SOIL INVESTIGATION REPORT.

### 4-4 NO CALCIUM CHLORIDE SHALL BE USED IN ANY CONCRETE.

### 4-5 CONCRETE SHALL BE DEPOSITED IN ITS FINAL POSITION WITHOUT SEGREGATION, RE-HANDLING OR FLOWING. NO DEPOSITING OF CONCRETE SHALL BE ALLOWED WITHOUT THE USE OF VIBRATORS, UNLESS AUTHORIZED IN WRITING BY THE DESIGNERS.