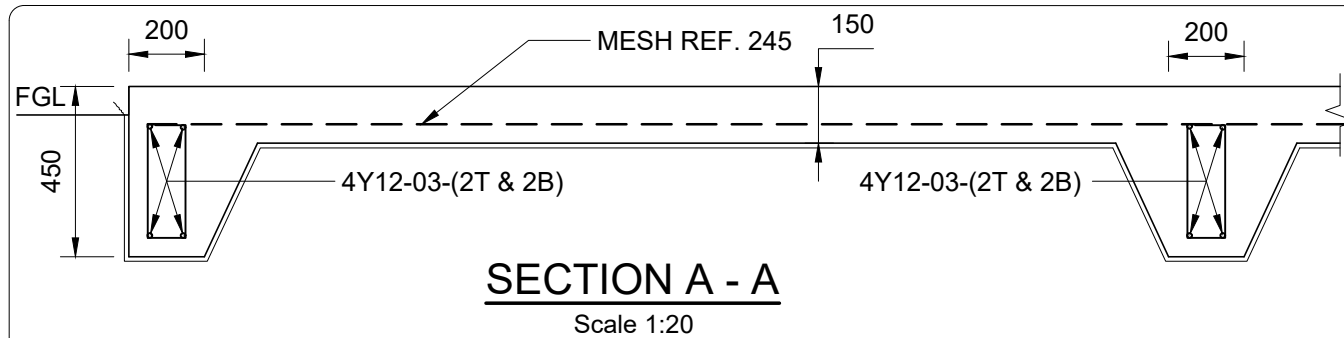
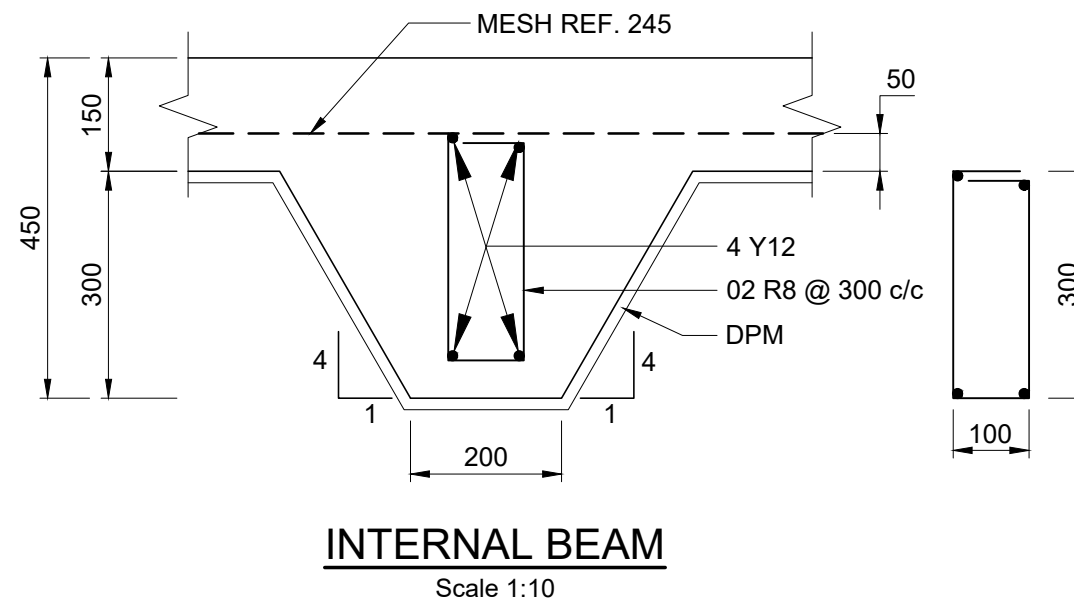
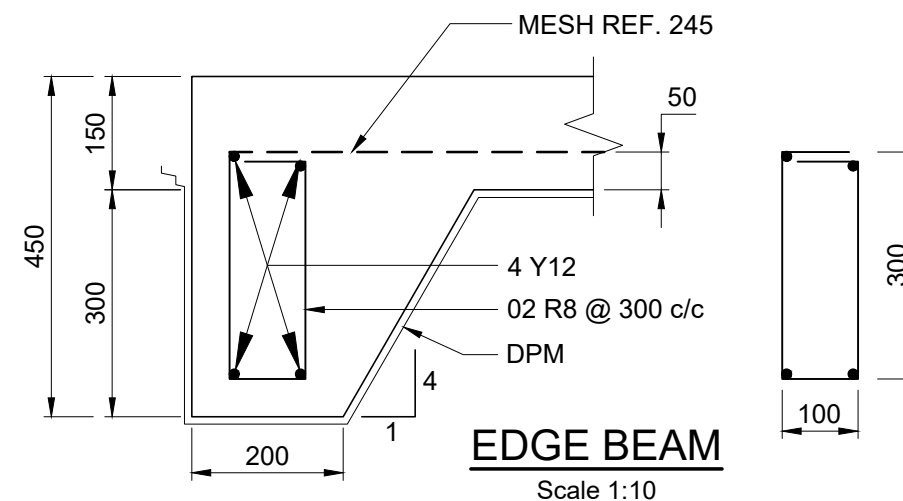
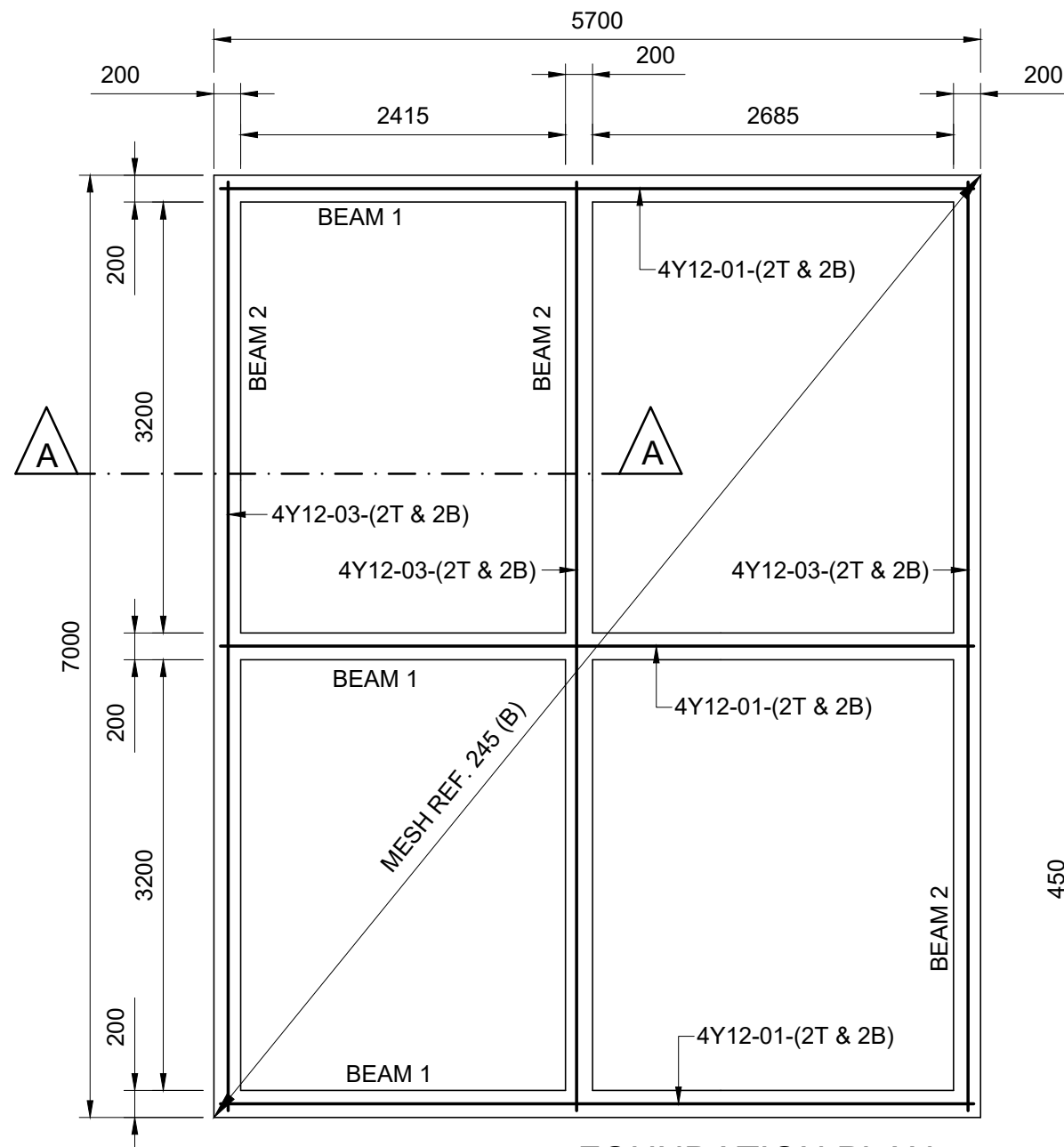




FOUNDATION REINFORCEMENT BENDING SCHEDULE										
LOCATION	BAR MARK	TYPE & SIZE	NUMBER OF GROUPS	NUMBER IN EACH	TOTAL NUMBER	LENGTH OF EACH	SHAPE CODE	BENDING DIMENSIONS		TOTAL MASS (kg)
								A (mm)	B (mm)	
BEAM 1	01	Y12	3	4	12	6000	35	5600		188.651
	02	R08	3	20	60	900	60	100	300	
BEAM 2	03	Y12	3	4	12	7300	35	6900		
	02	R08	3	24	72	900	60	100	300	



NOTES:

- 1) Remove all vegetation & topsoil to 150mm depth.
- 2) Create platform, compacting in 150mm layers using mechanical means. Fill not to exceed 300mm.
- 3) Fill batter 1:2 & cut batters to 1:1.75 slope.
- 4) Grade platform to fall away from raft in all directions.
- 5) Minimum concrete strength to be 20Mpa at 28 days.
- 6) Frequency of concrete cube tests:
 - 1 set required / 50m3 concrete or
 - 1 set required / batch of concrete.
- 7) Minimum cover to reinforcement to be 50mm in beams and 50mm from platform surface.
- 8) Concrete to be adequately mechanically vibrated.
- 9) No hand mixing will be permitted, unless specifically approved by the Engineer.
- 10) Reinforcement fixing to be inspected prior to concrete being placed.
- 11) Raft designed for single storey block, 40sqm house.
- 12) 600x600 mass concrete pads down to virgin ground required on fill sections under beam intersections.
- 13) Ref. 245 weld mesh fabric to overlap edge beams.
- 14) Shower drain outlet to be taken through raft slab and to be positioned prior to casting the raft slab.
- 15) On removal of existing foundation, import G6 quality material and compact to 93% mod aashto density in layers not exceeding 150mm where applicable.
- 16) Where groundwater is encountered during the removal of the existing foundation, the engineer is to provide the appropriate measures to be taken prior to the construction of the new foundation.

**FOR
CONSTRUCTION**

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Project Title:

HAMBANATHI HOUSING PROJECT
CONSTRUCTION OF 120 (40m²) TOP STRUCTURE UNITS

Details:

40m2 HOUSE PLAN AND DETAILS

Drawing No.:

7/102/60/100

Revision:

Drawn by:

V.G.

Date:

20/05/2022

Revision Date:

Client Details:

eTHEKWINI MUNICIPALITY
HUMAN SETTLEMENTS
DEPARTMENT
NORTHERN REGIONAL OFFICE

