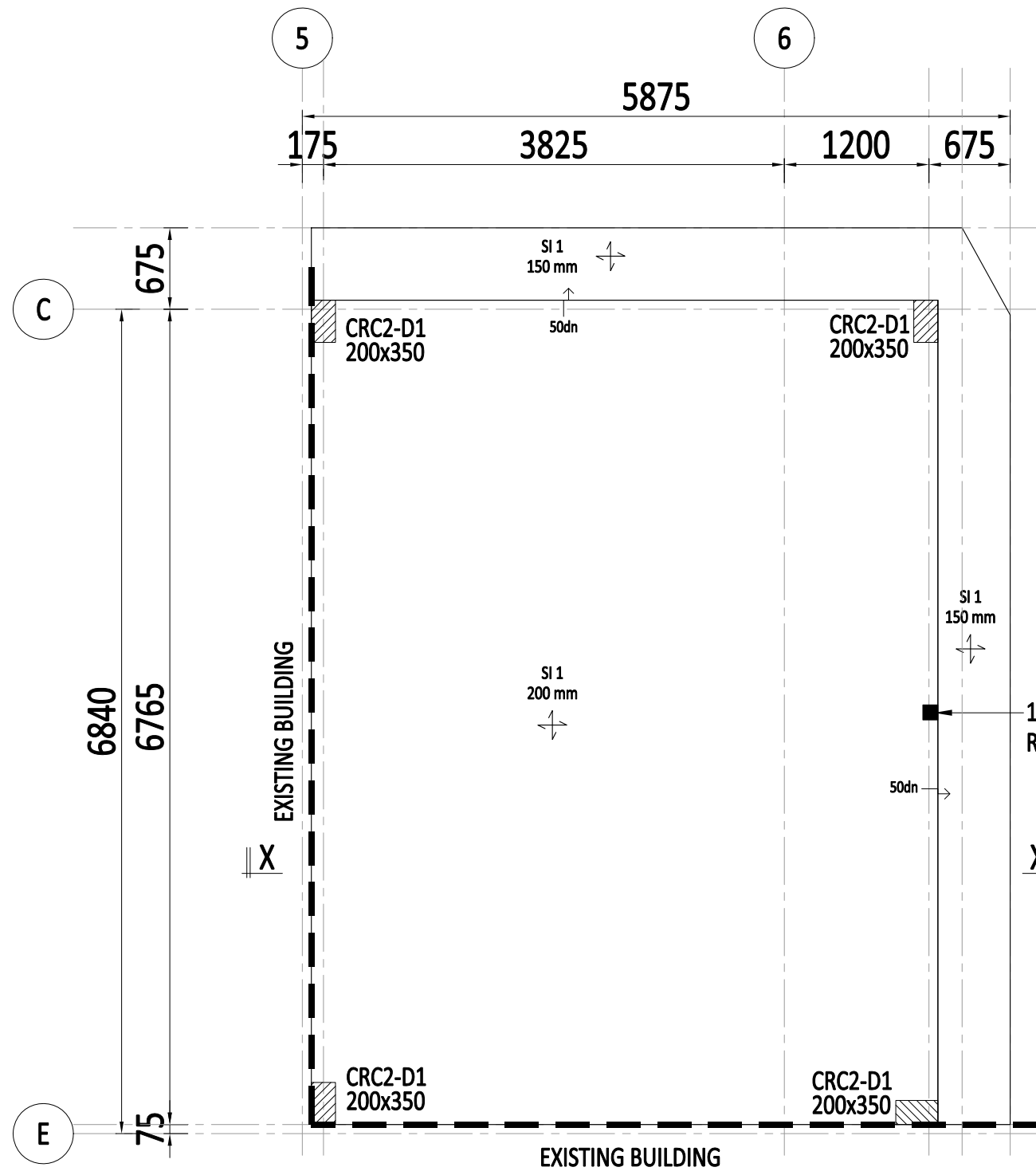
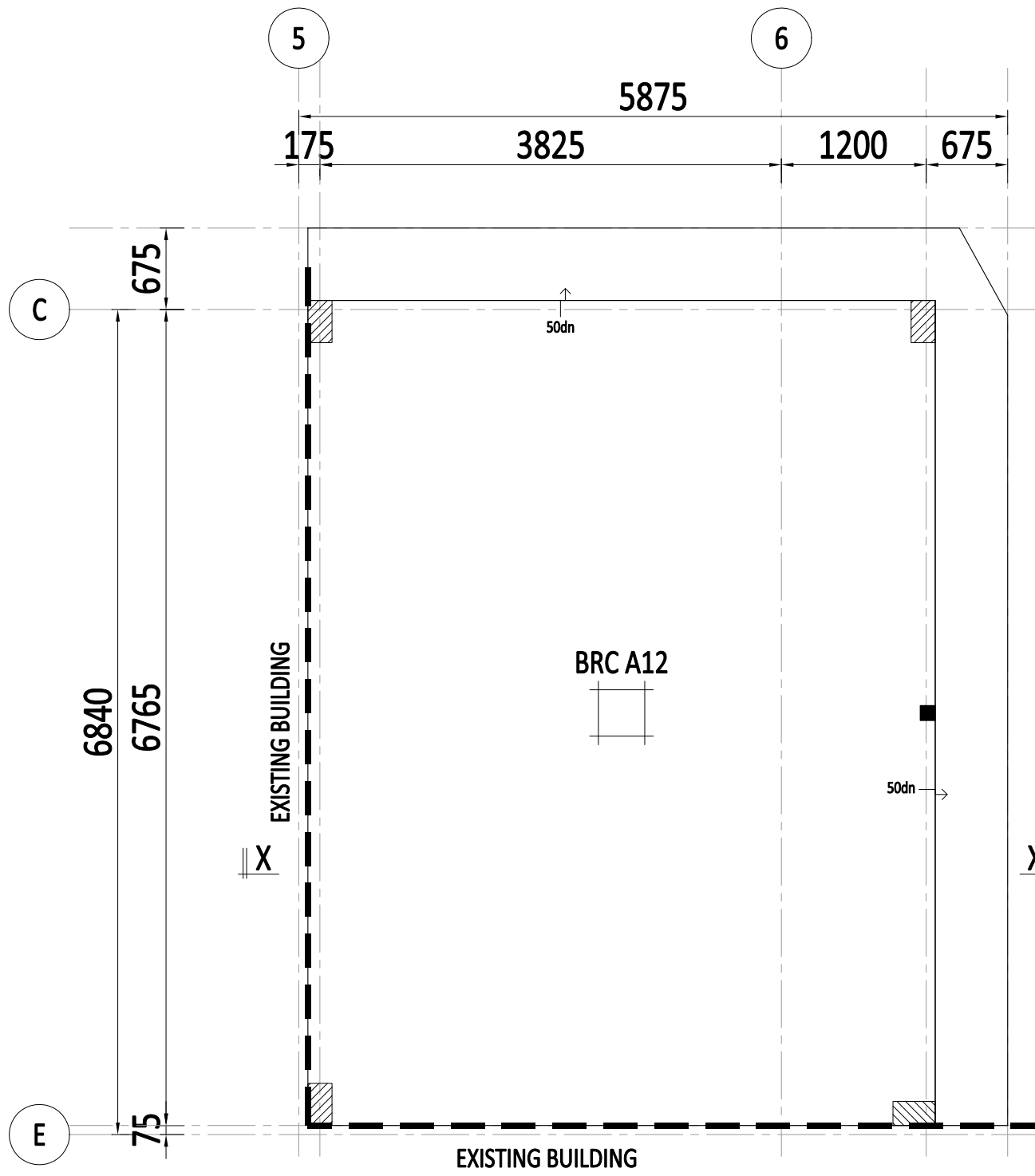
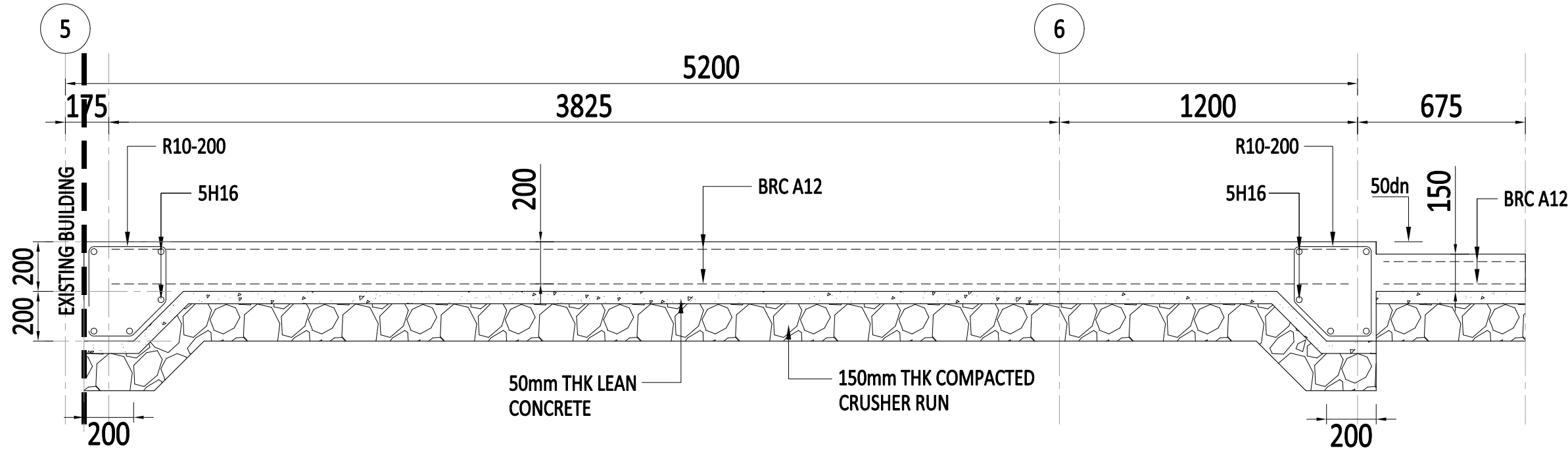




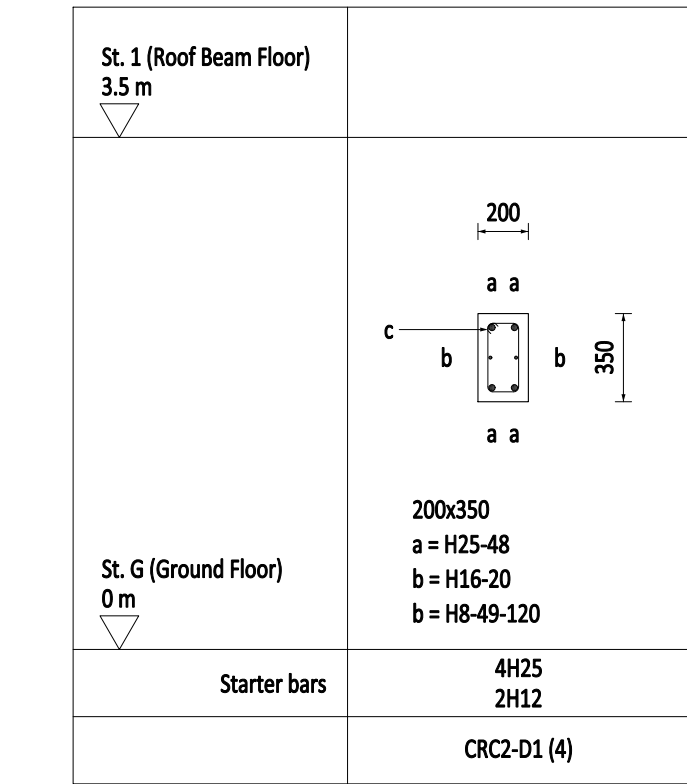
RAFT FOUNDATION PLAN



RAFT FOUNDATION TOP & BOTTOM BAR REINFORCEMENT PLAN

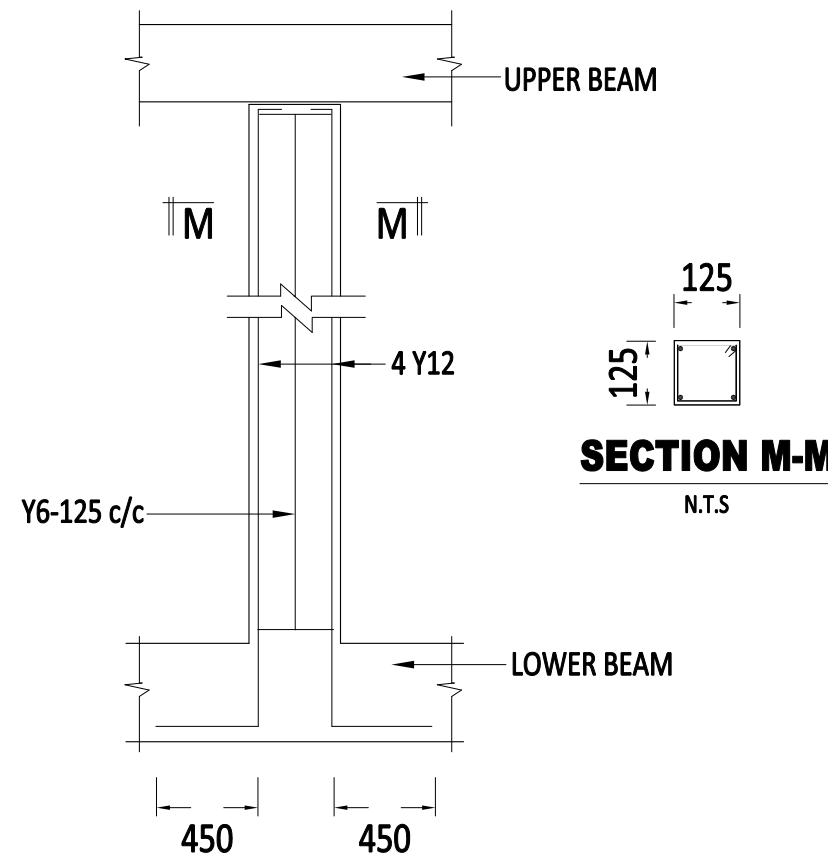


SECTION X-X
SCALE 1:20



COLUMN REINFORCEMENT SCHEDULE

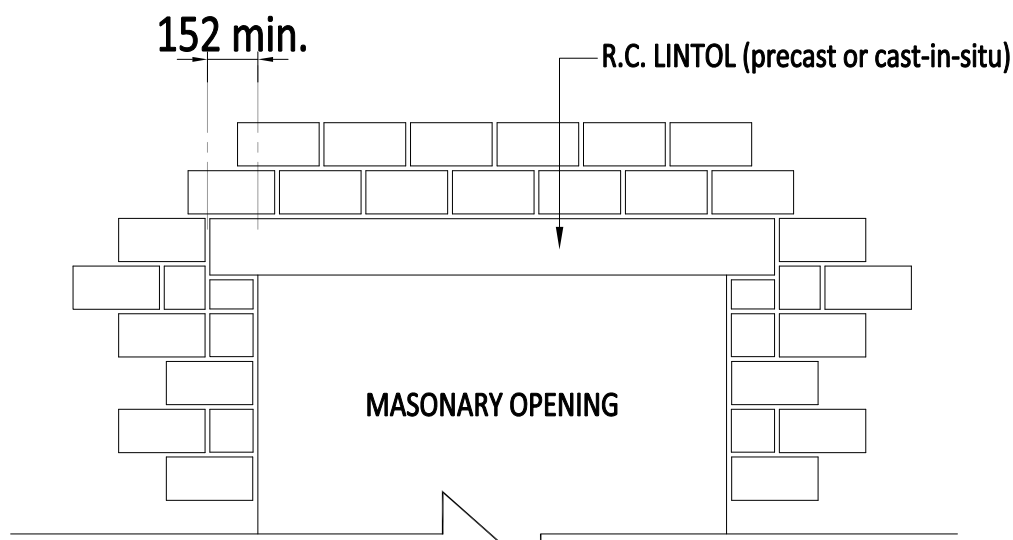
N.T.S



TYPICAL DETAIL OF STIFFENER

N.T.S

OPENING SIZE (m)	LINTOL SIZE	TOP REINFORCEMENT	BOT REINFORCEMENT	LINKS
1.2	100x200	2Y10	2Y12	R6-200
2.4	100x250	2Y10	2Y12	R6-200
3.6	100x300	2Y10	2Y12	R6-200
4.0	100x350	2Y10	2Y12	R6-200



CASE 1 : MASINARY OPENING FORMED WITH BRICKWORK

TYPICAL DETAIL OF R.C. LINTOL

N.T.S

NOTES:

- THESE STRUCTURAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS, THE SPECIFICATIONS AND THE SPECIALIST'S DETAILS. ANY DISCREPANCIES SHOULD BE NOTIFIED IMMEDIATELY TO THE ENGINEERS BEFORE COMMENCING WORK.
- NO DIMENSIONS ARE TO BE SCALED FROM THE DRAWINGS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF SETTING OUT OF ALL WORKS ON SITE.
- ALL SETTING OUT, THE CONTRACTOR ARE ADVISED TO FOLLOW THE ARCHITECTURAL MASTER PLAN. ACCORDINGLY.

REINFORCED CONCRETE

- REINFORCED CONCRETE MIX TO BE GRADE 30 AND SHALL HAVE A MINIMUM CRUSHING STRENGTH OF 30 N/mm² AT 28 DAYS AS PER C.P. 110 / B.S. 8110 FOR SUB-STRUCTURE WORK.
- COARSE AND FINE AGGREGATE SHALL COMPLY TO B.S. 882.
- PORTLAND CEMENT USED SHALL COMPLY TO B.S. 12.
- NOMINAL AGGREGATE SIZE TO BE 20mm.

CONCRETE COVER TO ALL REINFORCEMENTS

- FOUNDATION - 50mm.
- GROUND BEAMS, GROUND SLABS, R.C WALL AND STUMPS - 40mm.
- SUPERSTRUCTURAL SLABS AND STAIRCASE - 30mm.
- SUPERSTRUCTURAL BEAMS AND COLUMNS - 30mm/25mm.

STEEL REINFORCEMENTS

- MAIN BARS-HIGH TENSILE DEFORMED BAR WITH F_y= 500 N/mm²
 - LINKS-MILD STEEL PLAIN ROUND BAR (R) WITH F_y= 250 N/mm².
- ALL REINFORCEMENTS SHALL COMPLY TO B.S 4449
 - ALL REINFORCED CONCRETE SHALL BE PROPERLY VIBRATED WITH AN APPROVED MECHANICAL VIBRATOR.
 - EXCAVATED FOUNDATIONS AND REINFORCEMENTS ARE TO BE APPROVED BY ENGINEERS BEFORE PLACING OF CONCRETE.
 - 50 mm THICK GRADE 15 SCREED IS TO BE PROVIDED UNDER ALL FOUNDATION, GROUND FLOOR BEAMS AND GROUND FLOOR SLABS.
 - UNLESS OTHERWISE STATED LAP LENGTH SHALL BE:

	COMPRESSION	TENSION
MILD STEEL	40D	40D
H.T STEEL	40D	45D

- ALL R.C. STIFFENERS ARE TO BE 125x125 WITH 4Y12 AND LINKS R6-125 AT EVERY 3.30m c/c. (APPROX.)



NAMA, TANDATANGAN PEMILIK :

MAJLIS AMANAH RAKYAT (MARA)

IBU PEJABAT MARA
21, JALAN MARA
50609 KUALA LUMPUR.

PROJEK :
CADANGAN TAMBAHAN DAN PERUBAHAN SERTA MENAIK TARAF PEJABAT PUSAT PEMBANGUNAN REKABENTUK MALAYSIA (MALAYSIA DESIGN DEVELOPMENT CENTRE - DDEC) DI ATAS SEBAHAGIAN LOT 300, SEKSYEN 63, NO.22, JALAN KIA PENG KUALA LUMPUR, WILAYAH PERSEKUTUAN.

UNTUK MAJLIS AMANAH RAKYAT (MARA)

TAJUK LUKISAN:

BLOCK B

- RAFT FOUNDATION PLAN
- RAFT FOUNDATION TOP & BOTTOM BAR REINFORCEMENT PLAN
- ROOF PLAN
- ROOF TOP & BOTTOM BAR REINFORCEMENT PLAN
- SECTION X-X
- TYPICAL DETAIL OF STIFFENER & SECTION M-M
- MASS CONCRETE DETAILS & SECTION A-A
- COLUMN REINFORCEMENT SCHEDULE
- TYPICAL DETAIL OF R.C LINTOL

JURUTERA PERUNDING C&S



C-02-11, JALAN SRI KENARI 12, TAMAN SRI KENARI,
43000 KAJANG, SELANGOR DARUL EHSAN
TEL : 03-8734 2827/30 FAX : 03-8734 2832
E_MAIL : general@perundingexti.com

TANDATANGAN JURUTERA PERUNDING

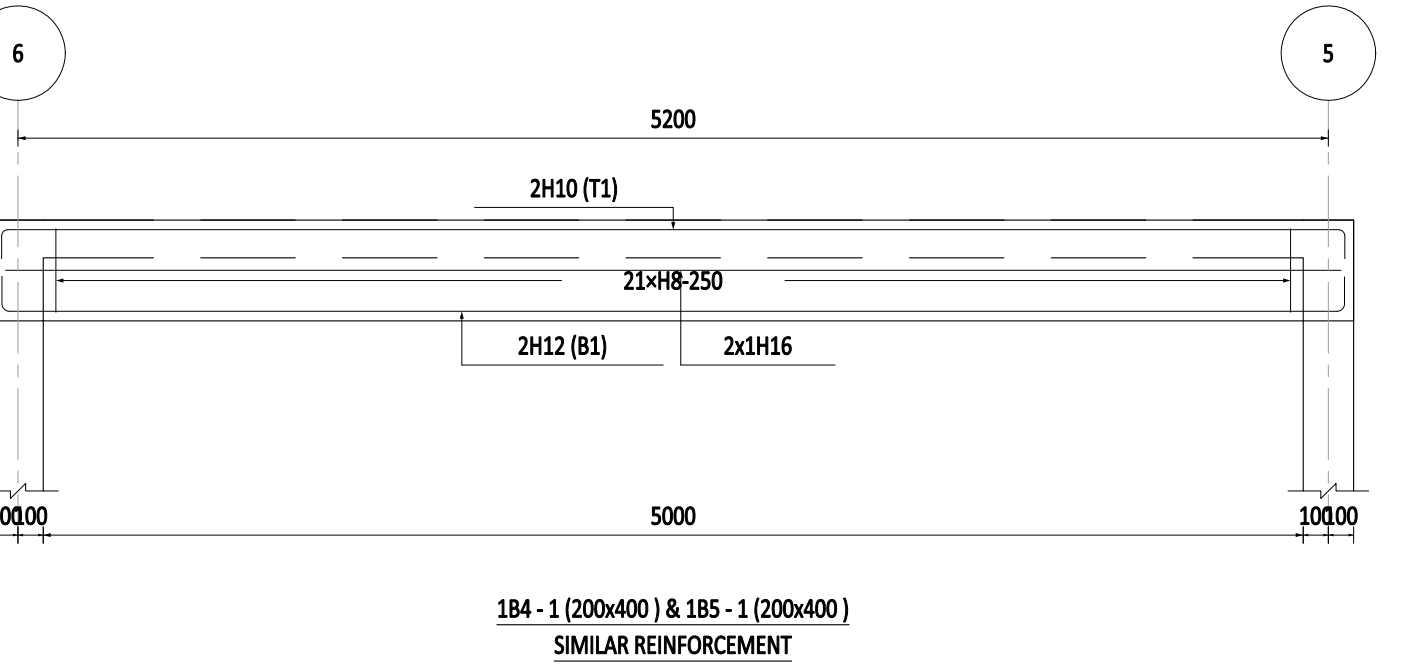
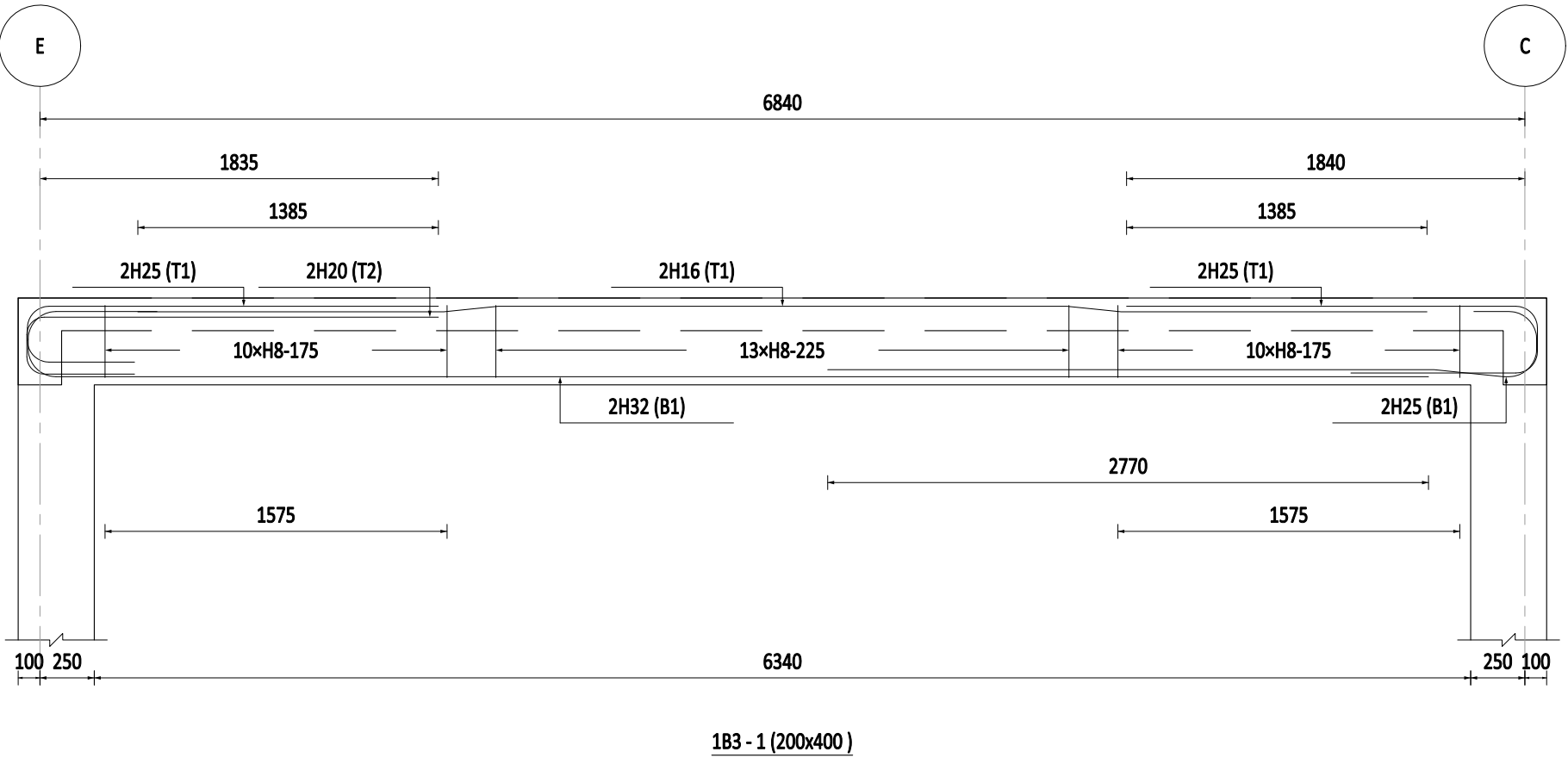
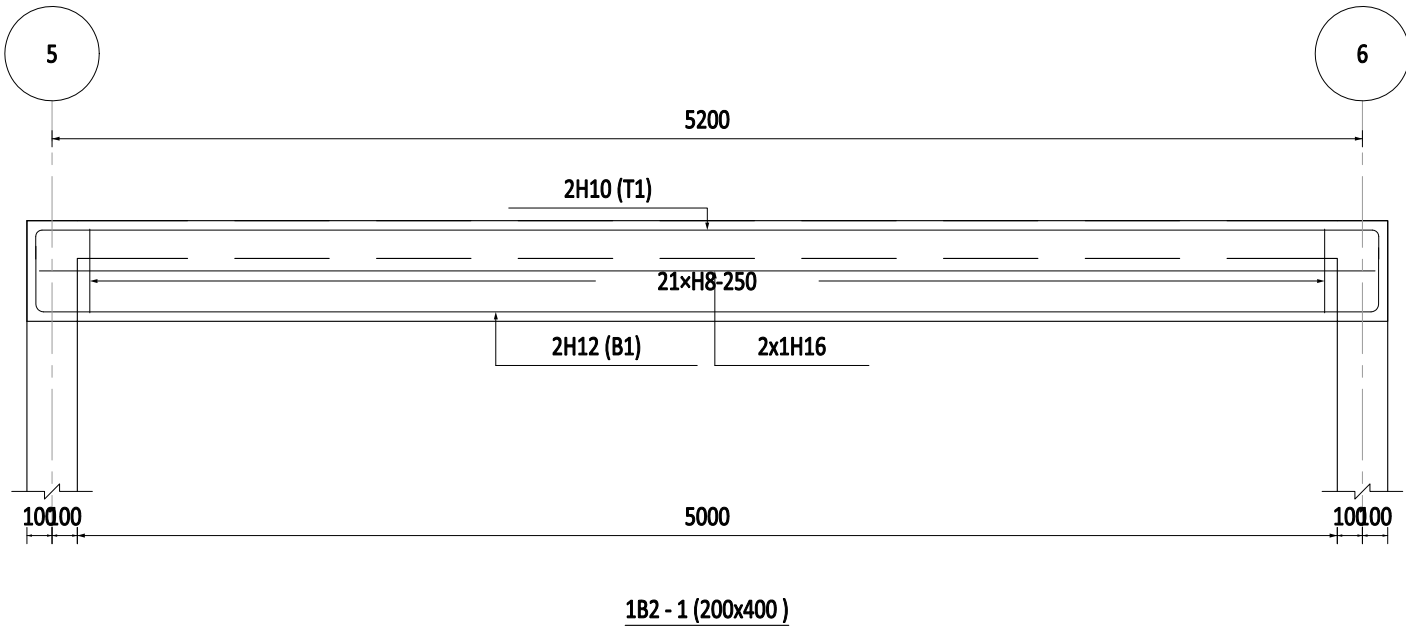
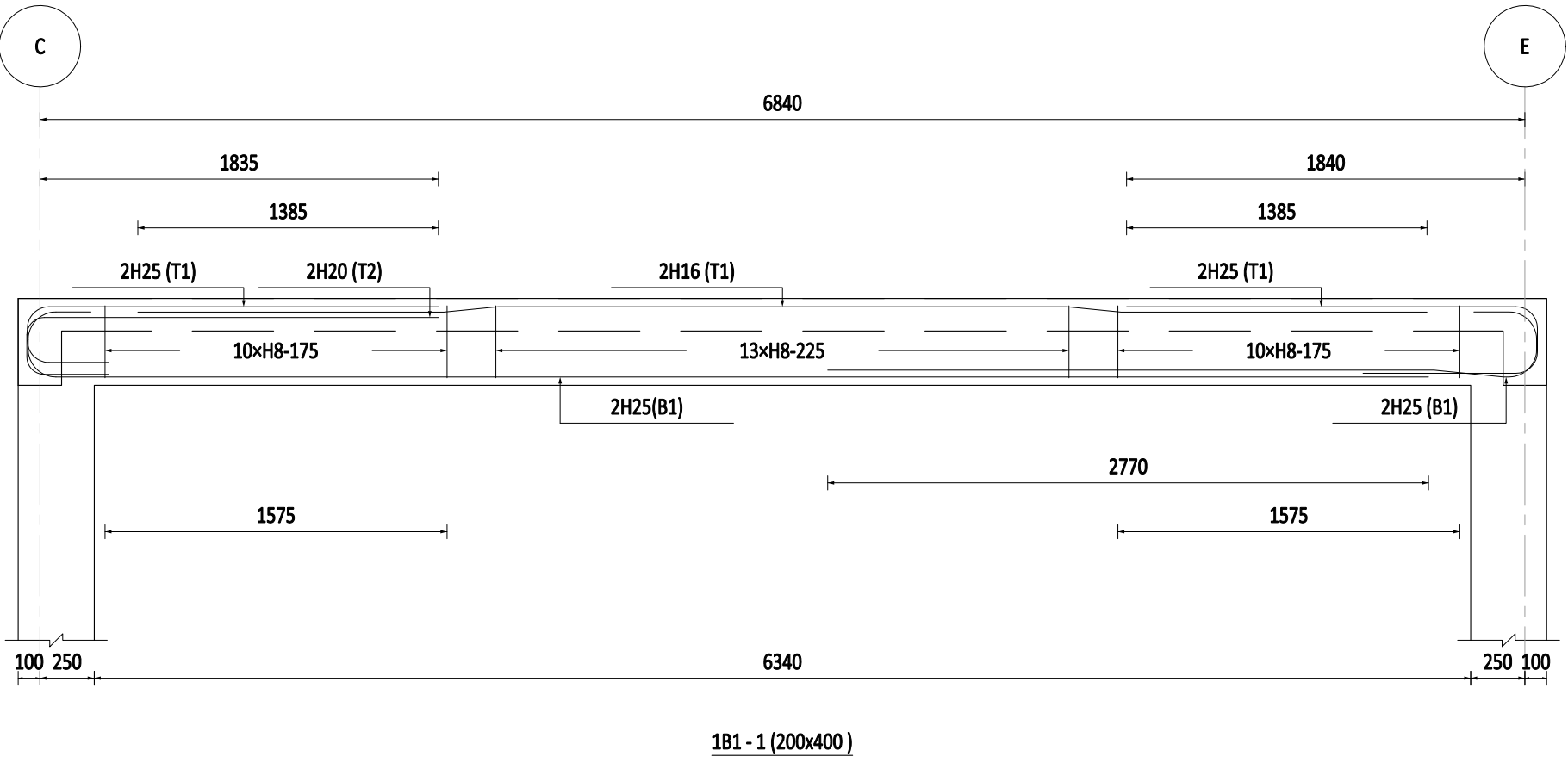
I hereby certify that these work have been designed by me in accordance with sound engineering practice and in compliance with The Latest Edition of The Uniform Building By Laws 1984 and The Street, Drainage And Building Act 1974 and that I take full responsibility for the design, proper performance and site supervision of the same.

DILUKIS FA TARIKH DEC 2025

DISEMAK IR. HJ. AZMAN UKURAN 1:50

NO. LUKISAN

EXTI/2204/DDEC/BLOK B/S/KP/01



-	-/-/2026	-
No.	TARIKH	PINDAAN

NAMA, TANDATANGAN PEMILIK :

MAJLIS AMANAH RAKYAT (MARA)

IBU PEJABAT MARA
21, JALAN MARA
50609 KUALA LUMPUR.

PROJEK :
CADANGAN TAMBAHAN DAN PERUBAHAN SERTA MENAIK
TARAF PEJABAT PUSAT PEMBANGUNAN REKABENTUK
MALAYSIA (MALAYSIA DESIGN DEVELOPMENT CENTRE – DDEC)
DI ATAS SEBAHAGIAN LOT 300, SEKSYEN 63, NO.22, JALAN
KIA PENG KUALA LUMPUR, WILAYAH PERSEKUTUAN.

UNTUK MAJLIS AMANAH RAKYAT (MARA)

TAJUK LUKISAN:
BLOCK B
– ROOF BEAM DETAILS 1 OF 1

JURUTERA PERUNDING C&S

PERUNDING EXTI SON BHD

C-02-11, JALAN SRI KENARI 12, TAMAN SRI KENARI,
43000 KAJANG, SELANGOR DARUL EHSAN
TEL : 03-8734 2827/30 FAX : 03-8734 2832
E_MAIL : general@perundingexti.com

TANDATANGAN JURUTERA PERUNDING

I hereby certify that these work have been designed by me in accordance with sound engineering practice and in compliance with The Latest Edition of The Uniform Building By Laws 1984 and The Street, Drainage And Building Act 1974 and that I take full responsibility for the design, proper performance and site supervision of the same*.

DILUKIS	FA	TARIKH	DEC 2025
DISEMAK	IR. HJ. AZMAN	UKURAN	1:30

NO. LUKISAN

EXTI/2204/DDEC/BLOCK B/S/RB/DET/01	-
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