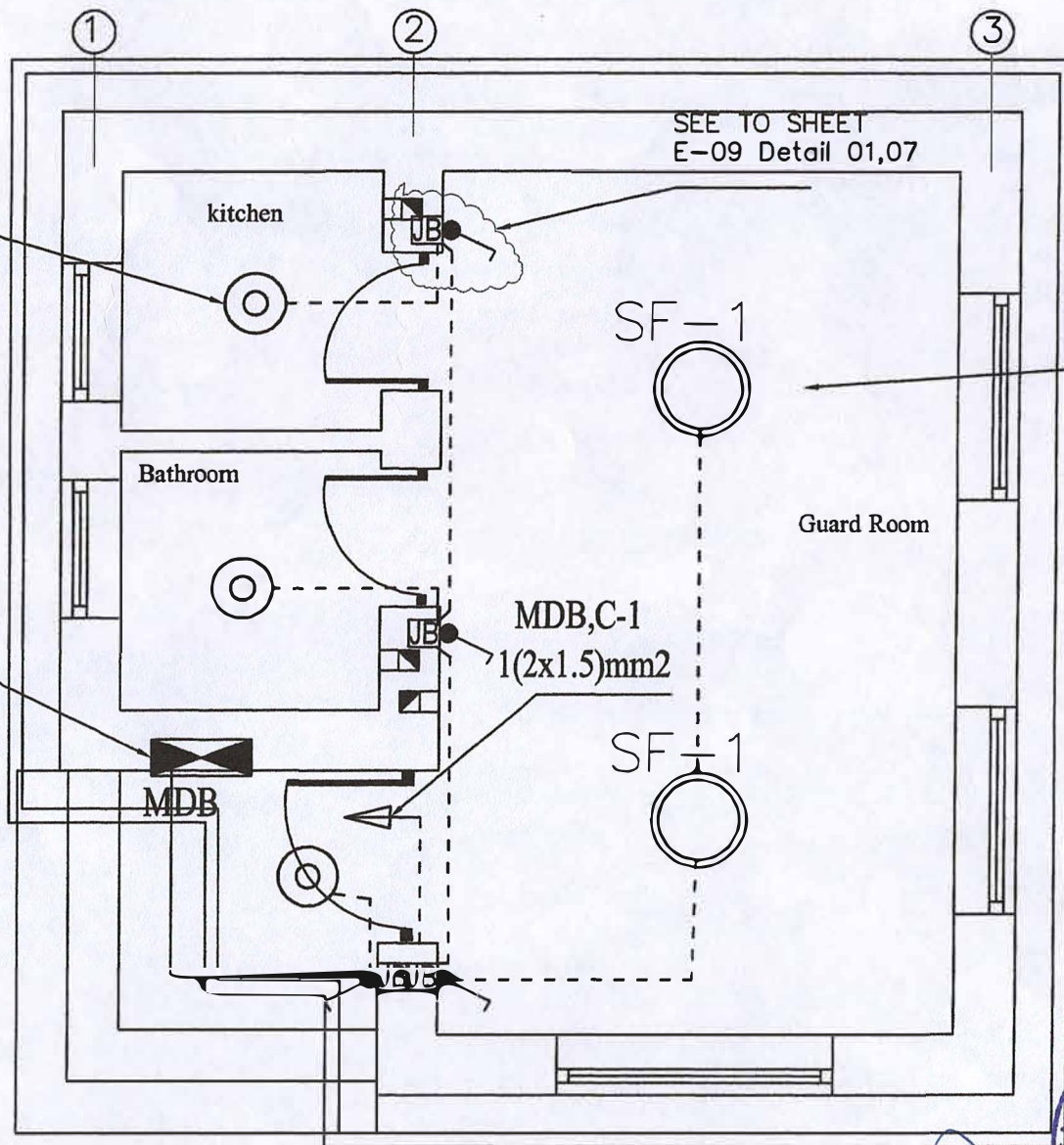
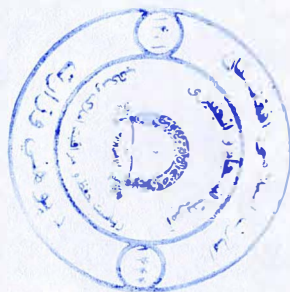


SEE TO SHEET
E-09 Detail 04

SEE TO SHEET
E-09 Detail 03

SEE TO SHEET
E-09 Detail 01,07

SEE TO SHEET
E-09 Detail 05,09



LIGHTING PLAN

GUARD ROOM ELECTRICAL PLAN

REF.

SCALE: NTS



OHW PROGRAM Department
Organization of Human Welfare

REVISION:		
NO.	DATE	DESCRIPTION

TENDER SET SUBMISSION

RCC GUARD ROOM
MAMNAK, FARYAB PROVINCE

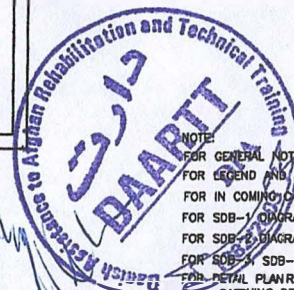
PLOT DATE:	RCC GUARD ROOM
FILE NAME:	
ELEC.DESIGN:	CHECKED BY: Eng. Mahfooz "Ibrahimkhail"
DRAWING BY:	Eng. Farhad
APPROVED BY:	Lars "Pardewon"

DRAWING TITLE:

LIGHTING PLAN

SCALE:

SHEET NO:
EG-02



NOTE:
FOR GENERAL NOTE REFER TO THE SHEET E- 01
FOR LEGEND AND ABBREVIATION REFER TO THE SHEET E- 01
FOR IN COMING CABLE PLAN REFER TO THE SHEET EG-01
FOR SDB-1 DIAGRAM PLAN REFER TO THE SHEET E-08
FOR SDB-2 DIAGRAM PLAN REFER TO THE SHEET E-07
FOR SDB-3, SDB-4 DIAGRAM PLAN REFER TO THE SHEET E-08
FOR DETAIL PLAN REFER TO THE SHEET E-09
FOR EARTHING DETAIL PLAN REFER TO THE SHEET E-10

30KA ISC / 05 SEC
SURFACE MOUNTED NAME ENCLOSURE
380V / 220 VOLTS, 3 PHASE, 4 WIRE
50Hz PANEL BOARD

GUARD ROOM MAIN DETERBUTION BOARD SCHEDULE (MDB)

MAIN CIRCUIT
BREAKER:- 3 Ph- 100A

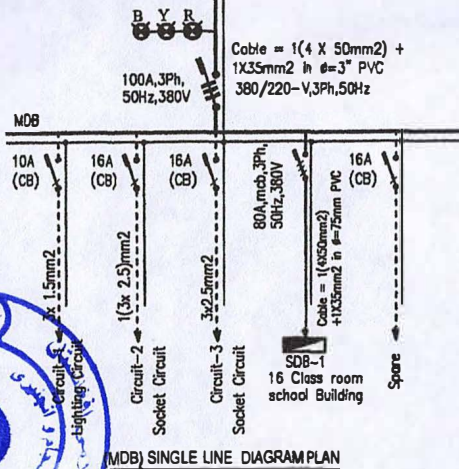
MOUNTING , SURFACE
PANEL BOARD LOCATION :-
IN THE CORRIDOR

WIRE & CONDUIT mm2	GND WIRE	LOAD DESCRIPTION	DEMEANED (W) A B C	AMP	POLE	CKT	A	B	C	CKT	POLE	AMP	DEMEANED (W) C B A	LOAD DESCRIPTION	GND WIRE	WIRE & CONDUIT mm2
2(1C X 1.5 mm2) & ϕ 20mm2	1.5mm2	LIGHTINGS		288	10	1	1			2	1	16		RECEPTACLE	2.5mm2	2(1C X 2.5 mm2) & ϕ 20mm2
2(1C X 2.5 mm2) & ϕ 20mm2	2.5mm2	RECEPTACLE		750	16	1	3			4	1	18		RECEPTACLE	2.5mm2	2(1C X 2.5 mm2) & ϕ 20mm2
1(4c X 35 mm2)	25mm2	16 Class room School SDB-1	12848										1500			
			12214													
				3X83	3	5										
				12978												
		SPARE												SPARE		
SUB - TOTAL			12848	12214	14016								0	1500	1500	SUB - TOTAL

	W	AMP
Total Phase A	14348	65.22
Total Phase B	13714	82.34
Total Phase C	14016	63.71
Total Connected Load	42.078	KW
Power Factor=0.8	52.5975	KV
Demand Factor=0.8	42.078	KV
20 % Future Load	8.4156	KV
Total Load + 20 % future Load	50.4936	KV
Total Ampere 3PH	92.06	AMP

MDB POWER SCHEDULE

SINGLE LINE DIAGRAM (MDB)



(MDB) SINGLE LINE DIAGRAM PLAN

16 Class room school Building

SDB-1

out going electrical cable from the Guard room MDB up to 16 Class room school Ground floor SDB-1

1(4 X 50 mm2 CU) + 1X35mm2 in 3" PVC

MDB

In coming Power from the City Power

Grounding Conductor = 1(1c X 25mm2) in 3" PVC Conduit

150 m

1(4 X 50mm2) in 3" PVC Conduit

150 m

1(4 X 50mm2) in 3" PVC Conduit

150 m

1(4 X 50mm2) in 3" PVC Conduit

150 m

1(4 X 50mm2) in 3" PVC Conduit

150 m

1(4 X 50mm2) in 3" PVC Conduit

150 m

1(4 X 50mm2) in 3" PVC Conduit

150 m

1(4 X 50mm2) in 3" PVC Conduit

150 m

1(4 X 50mm2) in 3" PVC Conduit

150 m

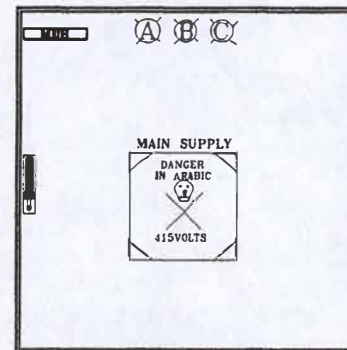
1(4 X 50mm2) in 3" PVC Conduit

150 m

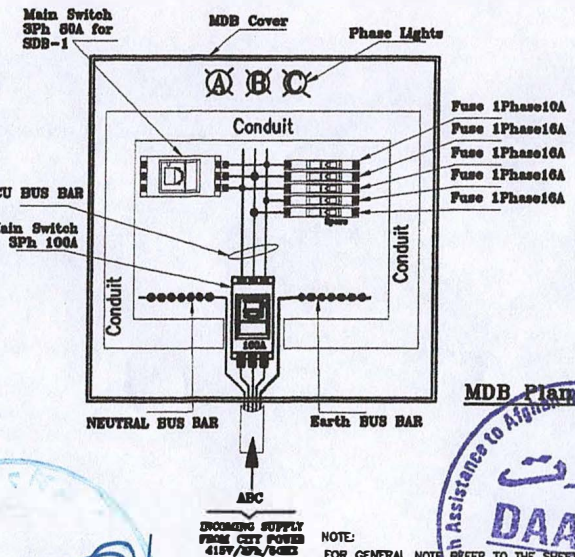
1(4 X 50mm2) in 3" PVC Conduit

150 m

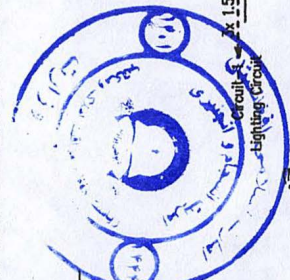
(MDB) RISER DIAGRAM PLAN



FRONT VIEW



MDB PLAN
DAARTT
Assistance to Afghanistan Rehabilitation and Technical
NOTE:
FOR GENERAL NOTE REFER TO THE SHEET E-01
FOR LEGEND AND ABBREVIATION REFER TO THE SHEET E-01
FOR IN COMING CABLE PLAN REFER TO THE SHEET E-01
FOR SDB-1 DIAGRAM PLAN REFER TO THE SHEET E-01
FOR SDB-2 DIAGRAM PLAN REFER TO THE SHEET E-01
FOR SDB-3, SDB-4 DIAGRAM PLAN REFER TO THE SHEET E-01
FOR DETAIL PLAN REFER TO THE SHEET E-01
FOR EARTHING DETAIL PLAN REFER TO THE SHEET E-01



MDB DIAGRAM PLAN

REF. SCALE: NTS



OHW PROGRAM Department
Organization of Human Welfare

REVISION:	NO.	DATE	DESCRIPTION

TENDER SET SUBMISSION

DATE:

RCC 16 CLASSROOM SCHOOL BUILDING
MAMNAH, FARYAB PROVINCE

PLOT DATE:	FILE NAME:
DESIGNED & CHECKED BY:	Eng. Mahfooz "Ibrahimkhail"
DRAWING BY:	Eng. Farhad
APPROVED BY:	Lars "Persderson"

DRAWING TITLE:

MDB DIAGRAM PLAN

SCALE:

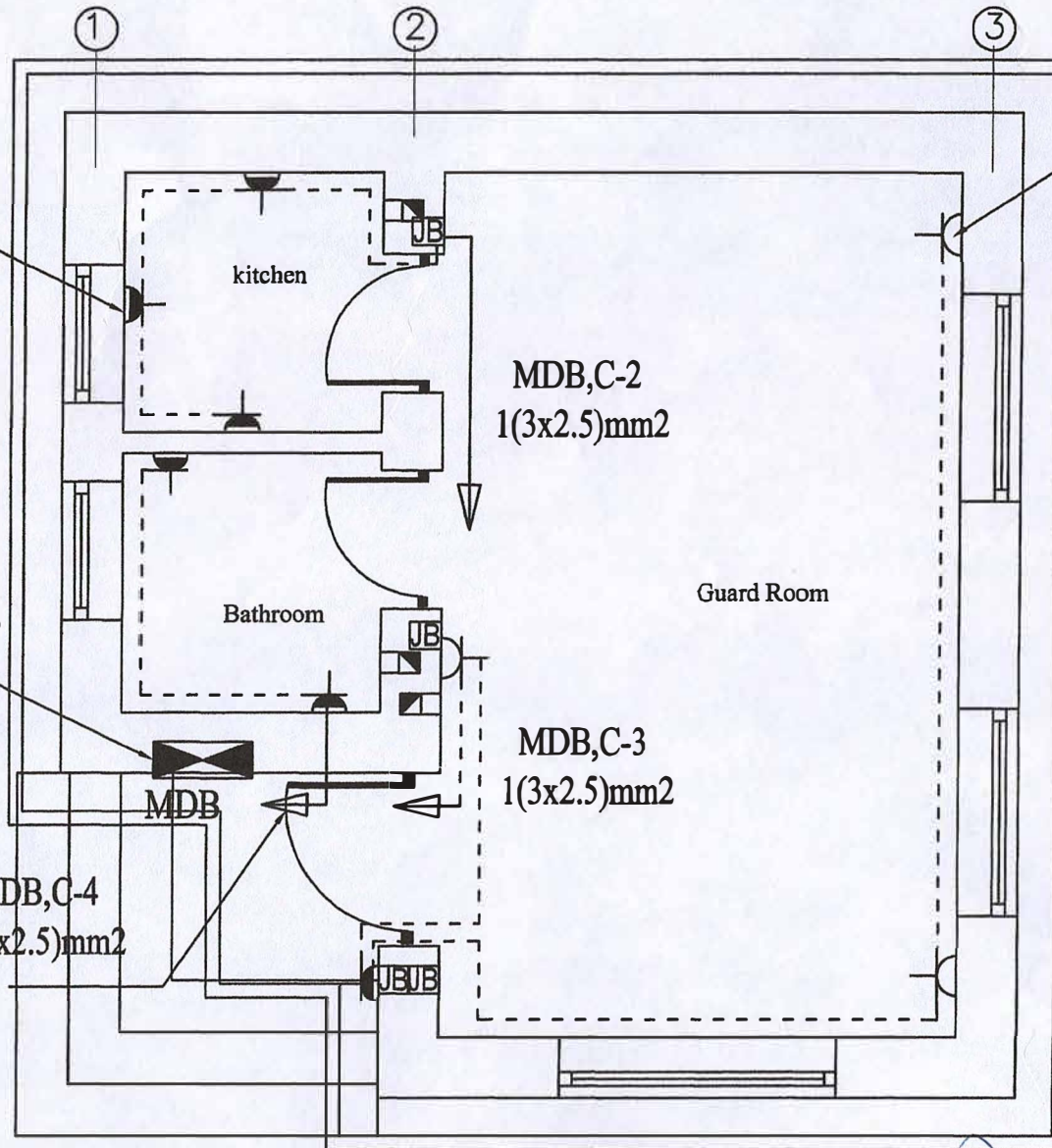
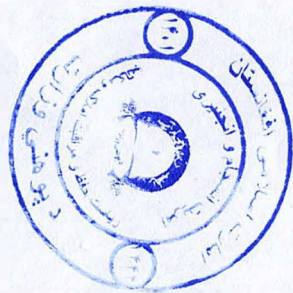
SHEET NO:

EG- 02

SEE TO SHEET
E-09, Detail 10

SEE TO SHEET
E-09 Detail 03

SEE TO SHEET
E-09 Detail 02,07



SOCKET PLAN

GUARD ROOM ELECTRICAL PLAN

REF.

SCALE: NTS



OHW PROGRAM Department
Organization of Human Welfare

REVISION:	NO.	DATE	DESCRIPTION

TENDER SET SUBMISSION
DATE:

RCC GUARD ROOM
MAMAHAN, FARYAB PROVINCE

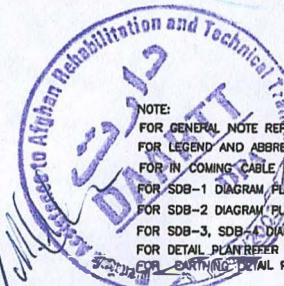
PLOT DATE:	
FILE NAME:	RCC GUARD ROOM
ELEC.DESIGNER:	CHECKED BY: Eng. Mahfooz "Brahimkhail"
DRAWING BY:	Eng. Farhad
APPROVED BY:	Lars "Parderson"

DRAWING TITLE:

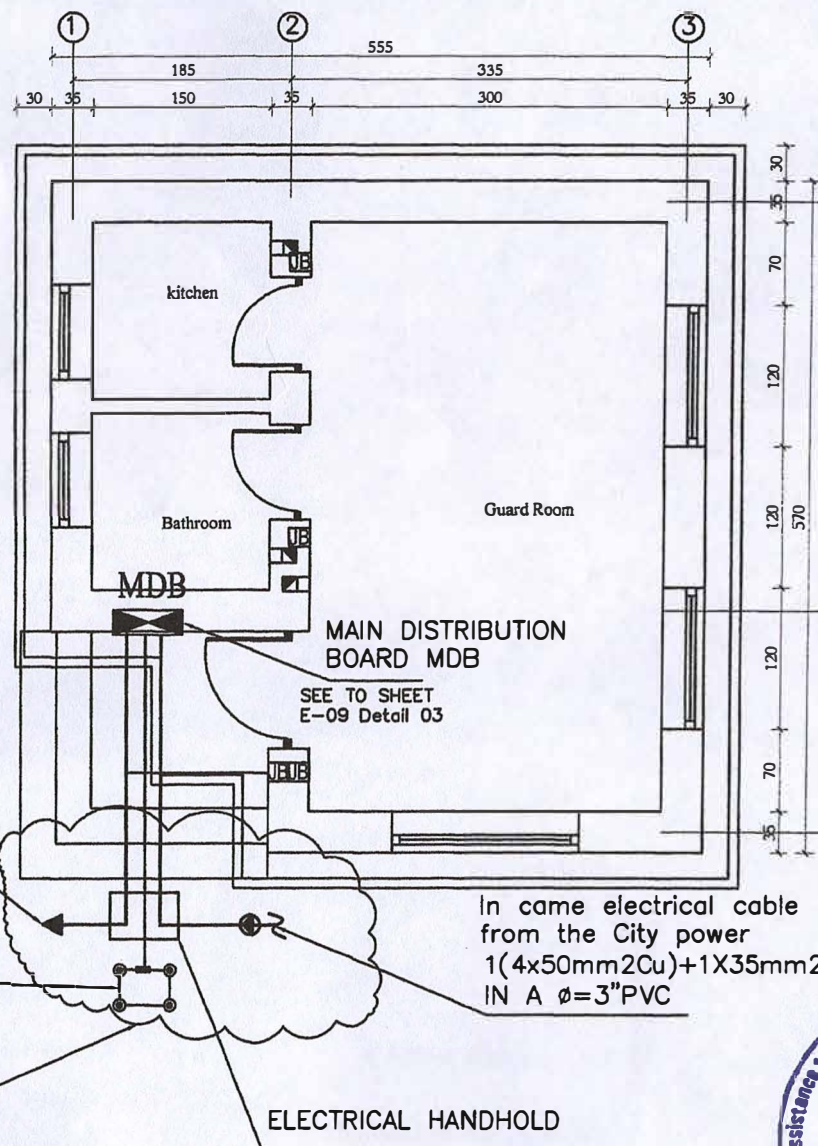
SOCKET PLAN

SCALE:

SHEET NO:
EG- 03



NOTE:
FOR GENERAL NOTE REFER TO THE SHEET E- 01
FOR LEGEND AND ABBREVIATION REFER TO THE SHEET E- 01
FOR IN COMING CABLE PLAN REFER TO THE SHEET EG-01
FOR SDB-1 DIAGRAM PLAN REFER TO THE SHEET E-06
FOR SDB-2 DIAGRAM PLAN REFER TO THE SHEET E-07
FOR SDB-3, SDB-4 DIAGRAM PLAN REFER TO THE SHEET E-08
FOR DETAIL PLAN REFER TO THE SHEET E-09
FOR EARTHING DETAIL PLAN REFER TO THE SHEET E-10



GUARD ROOM ELECTRICAL PLAN

REF.

SCALE: NTS



NOTE:
FOR GENERAL NOTE REFER TO THE SHEET E- 01
FOR LEGEND AND ABBREVIATION REFER TO THE SHEET E- 01
FOR IN COMING CABLE PLAN REFER TO THE SHEET E-01
FOR SDB-1 DIAGRAM PLAN REFER TO THE SHEET E-06
FOR SDB-2 DIAGRAM PLAN REFER TO THE SHEET E-07
FOR SDB-3, SDB-4 DIAGRAM PLAN REFER TO THE SHEET E-08
FOR DETAIL PLAN REFER TO THE SHEET E-09
FOR EARTHING DETAIL PLAN REFER TO THE SHEET E-10



OHW PROGRAM Department
Organization of Human Welfare

REVISION:		
NO.	DATE	DESCRIPTION

TENDER SET SUBMISSION

RCC GUARD ROOM
MAMMAN, FARYAB PROVINCE

PLOT DATE:	
FILE NAME:	RCC GUARD ROOM
DESIGNED & CHECKED BY:	Eng. Mahfooz "Ibrahimkhali"
DRAWING BY:	Eng. Farhad
APPROVED:	Lars "Persson"

DRAWING TITLE:

GUARD ROOM ELECTRICAL
PLAN

SCALE:

SHEET NO:
EG- 01

REVISION
DATE DESCRIPTION

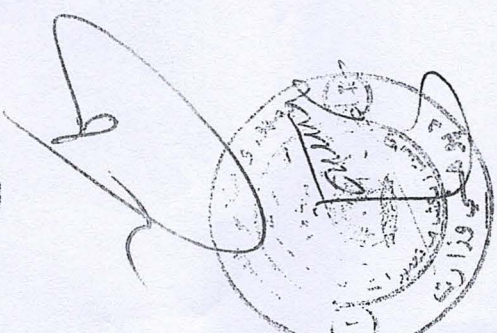
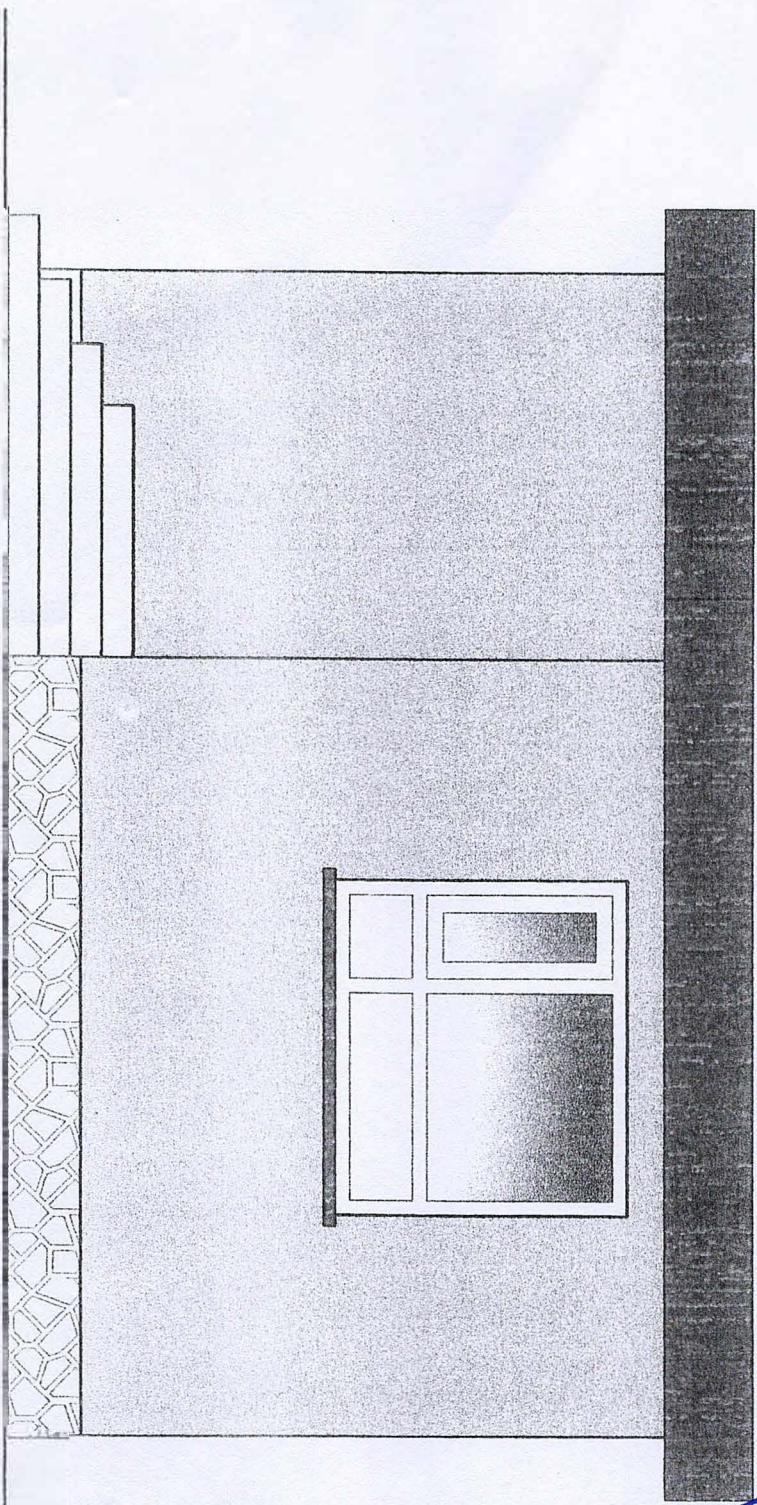
TENDER SET SUBMISSION
DATE

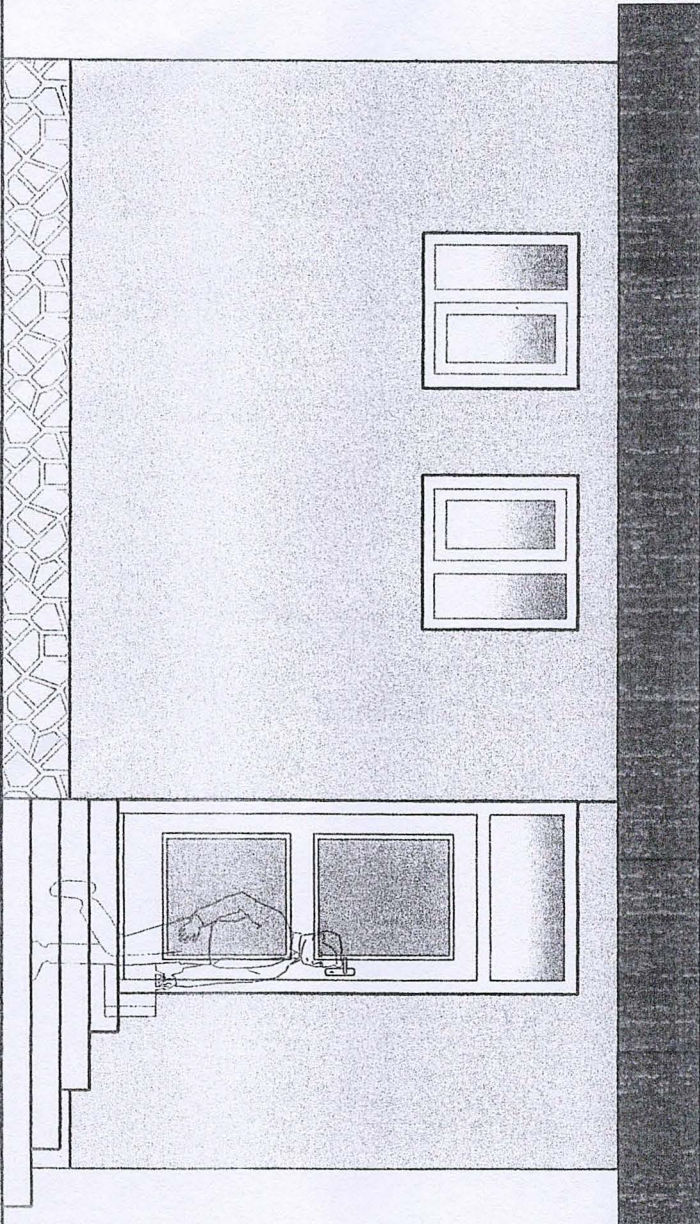
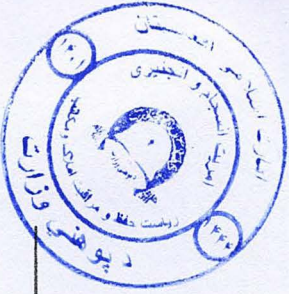
PLO DATE
FILE NAME
REC QUART ROOM
A/C DESIGNER
DATE

DRAWING TITLE

SCALE

FRONT VIEW





SIDE VIEW

[Handwritten signature]



OHW
Organization of Human Welfare

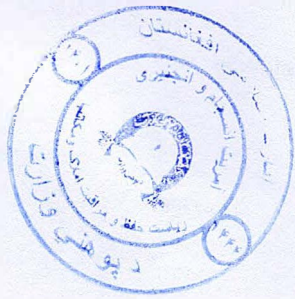
REVISION:
NO. DATE DESCRIPTION

TENDER SET SUBMISSION
DATE

PILOT DATE

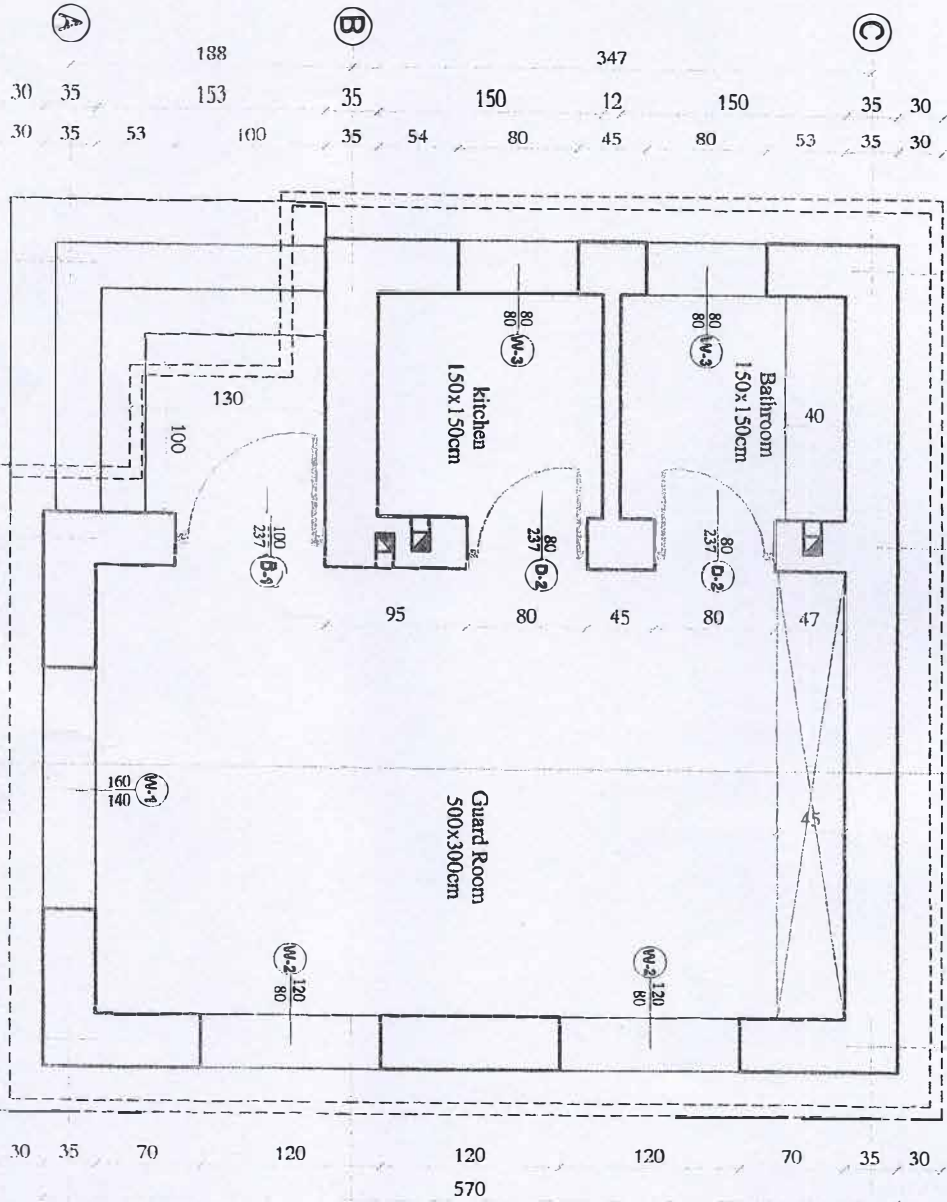
DRAWING TITLE

SCALE



PLAN

CONSTRUCTION PROGRAM
OHW PROGRAM Department
Organization of Human Welfare



A SECTION

A SECTION

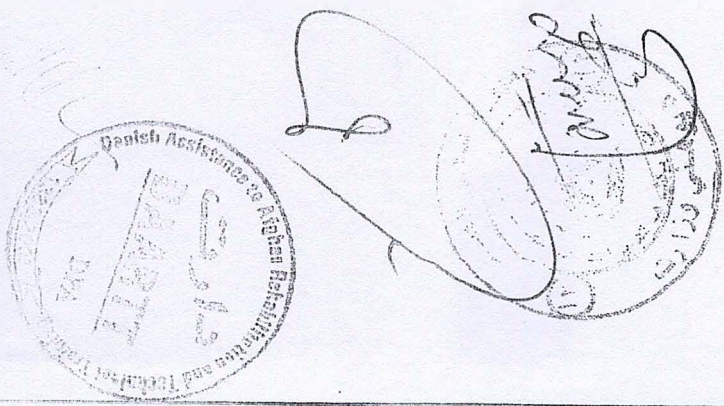
REVISION NO. DATE DESCRIPTION

TENDER SET SUBMISSION DATE

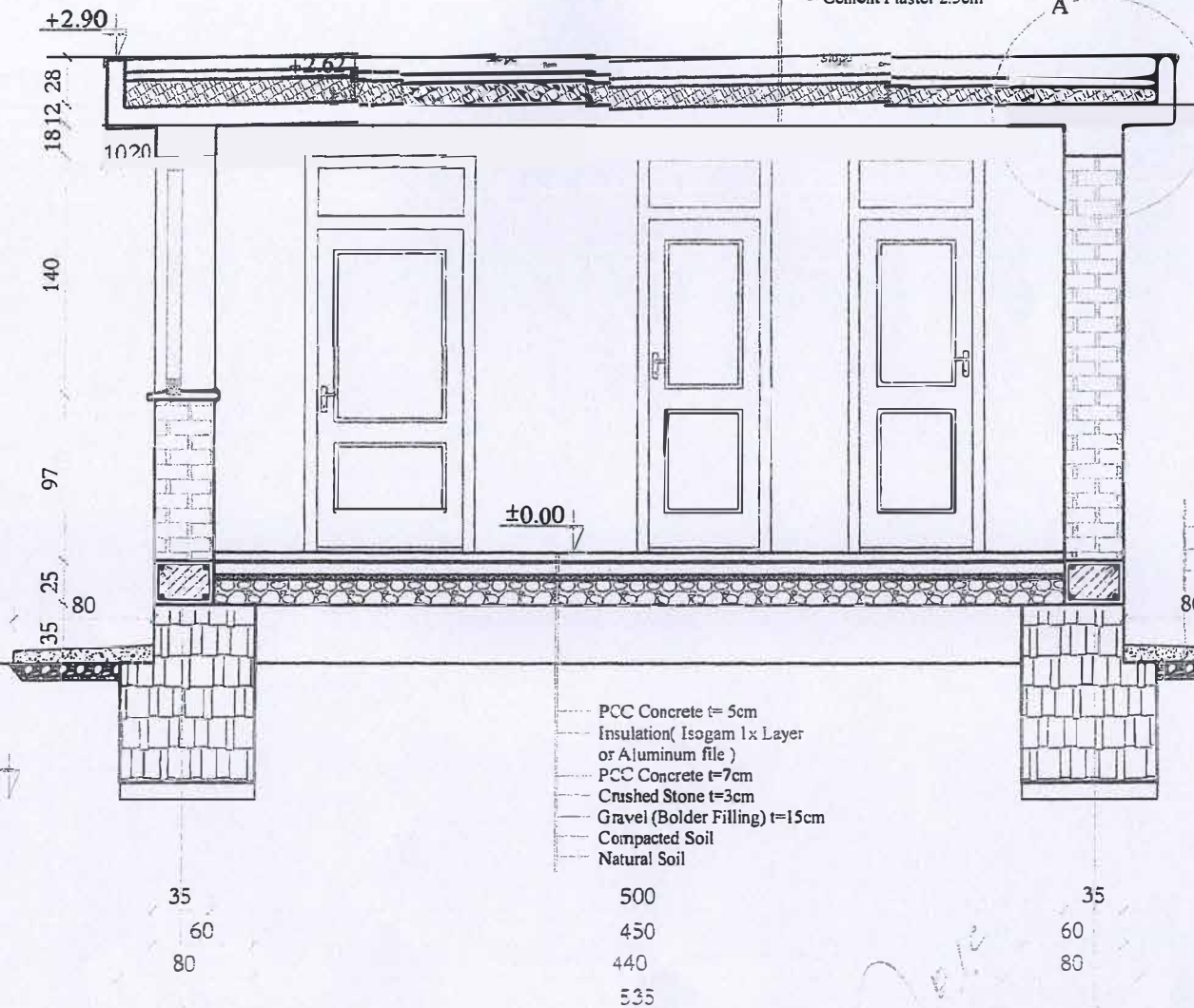
PLOT DATE ELEVATION ROOM GUARD ROOM

DRAWING TITLE

SCALE



PCC Concrete t=5cm
 Isogam
 PCC Concrete t=3cm
 Half Brick for
 Insulation 10-15 cm
 RCC Slab 12 cm
 Cement Plaster 2.5cm



SECTION A-A

A

C

OHW PROGRAM Department
 Organization of Human Welfare

REVISION	NO	DATE	DESCRIPTION

TENDER SET SUBMISSION

FILE NAME	RCC GUARD ROOM

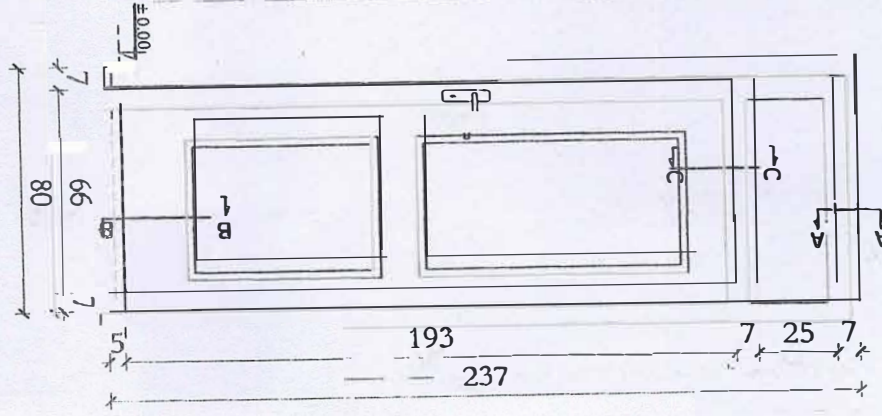
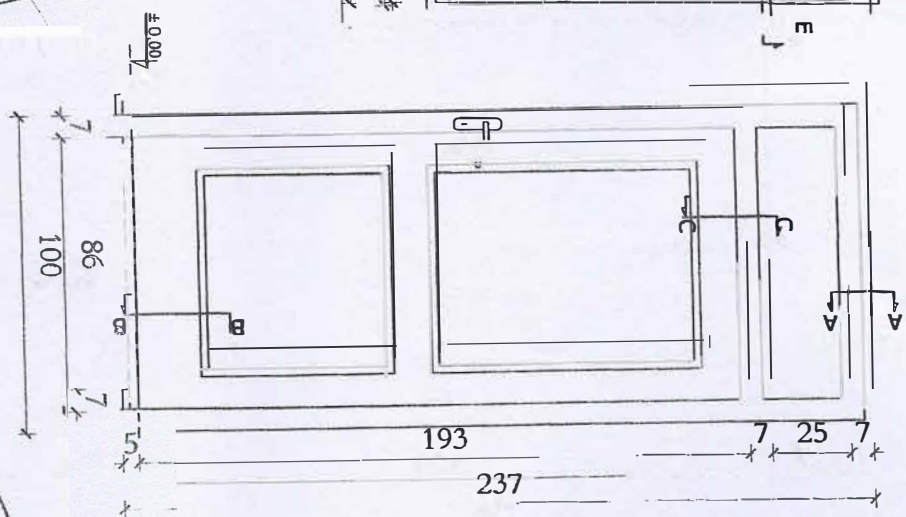
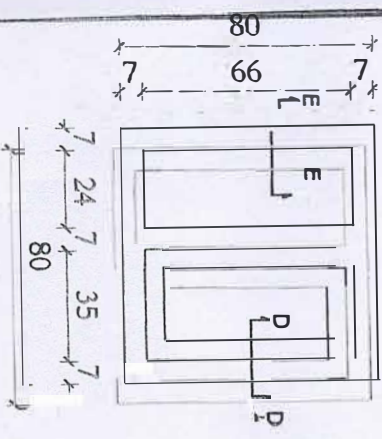
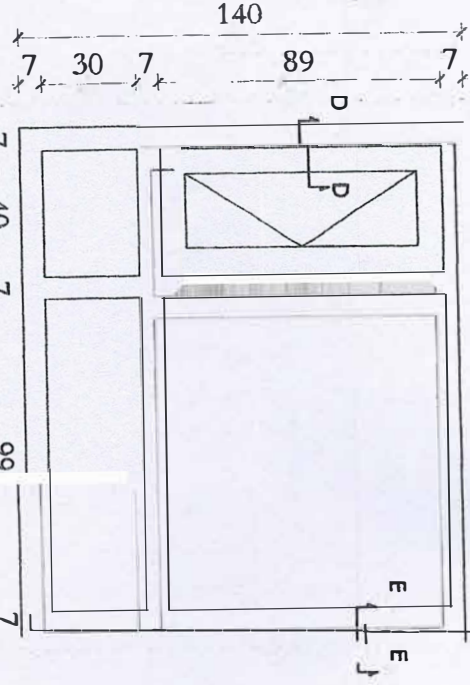
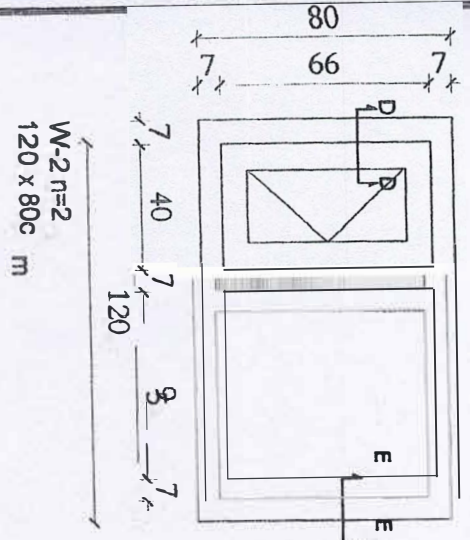
DRAWING TITLE

SCALE



1504

DRAWING TITLE



Handwritten signature

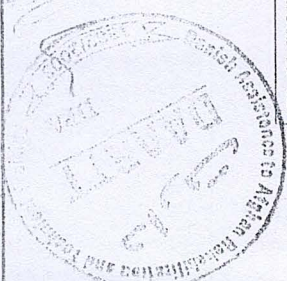


DAART CONSTRUCTION PROGRAM
DANSK ASSISTANCE TO REGULAR REPAIR
TECHNICAL TRAINING

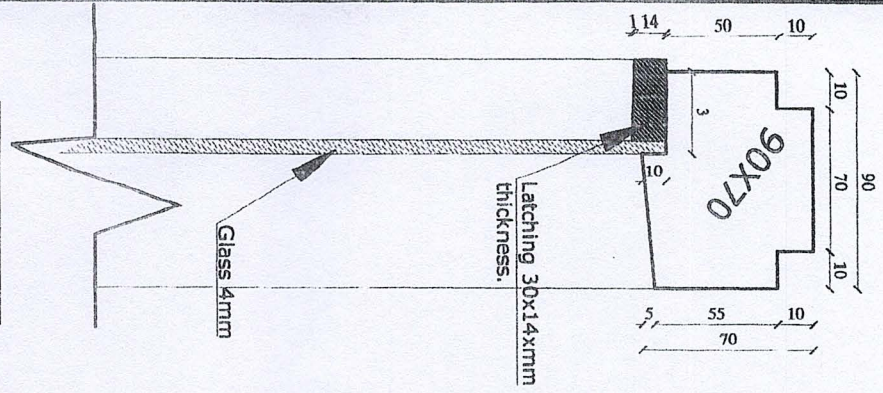
REVISION	DATE	DESCRIPTION
1		

DOOR & WINDOW DETAIL

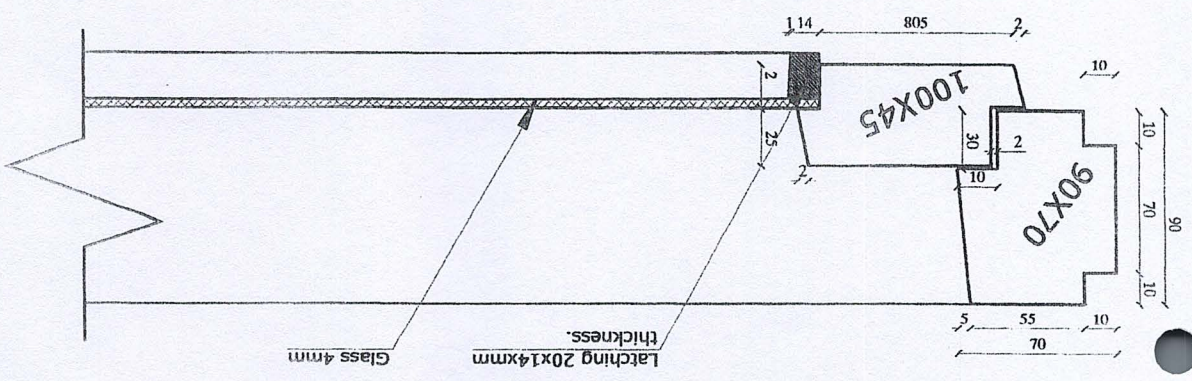
SCALE



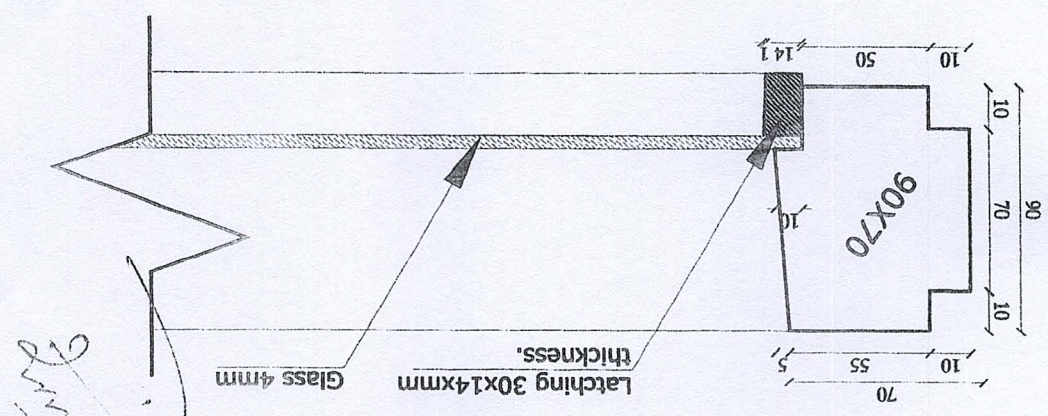
Section A-A



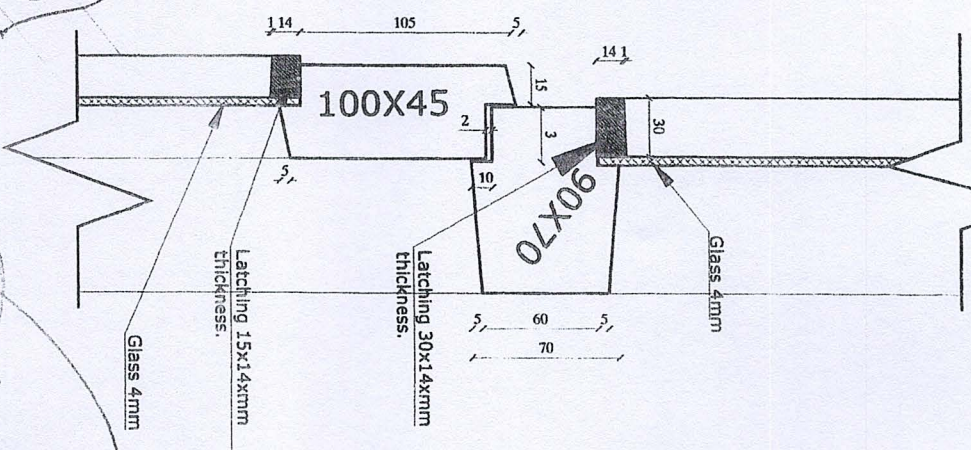
Section D-D



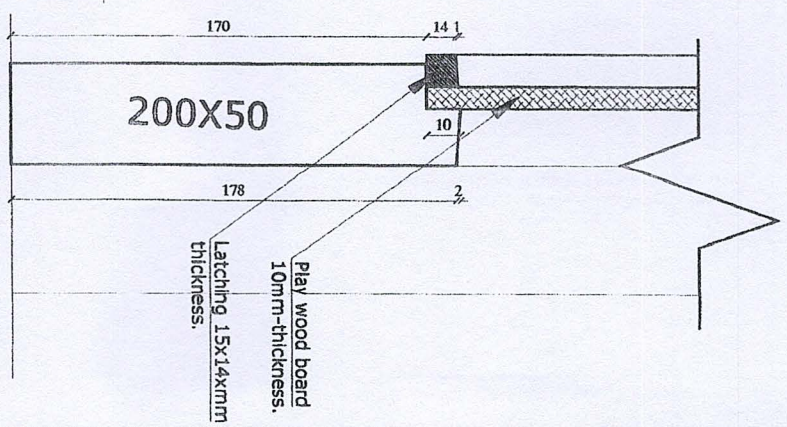
Section E-E

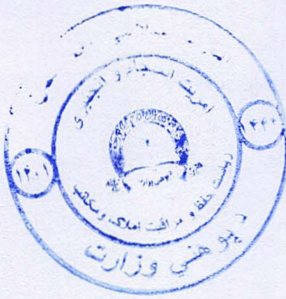


Section C-C

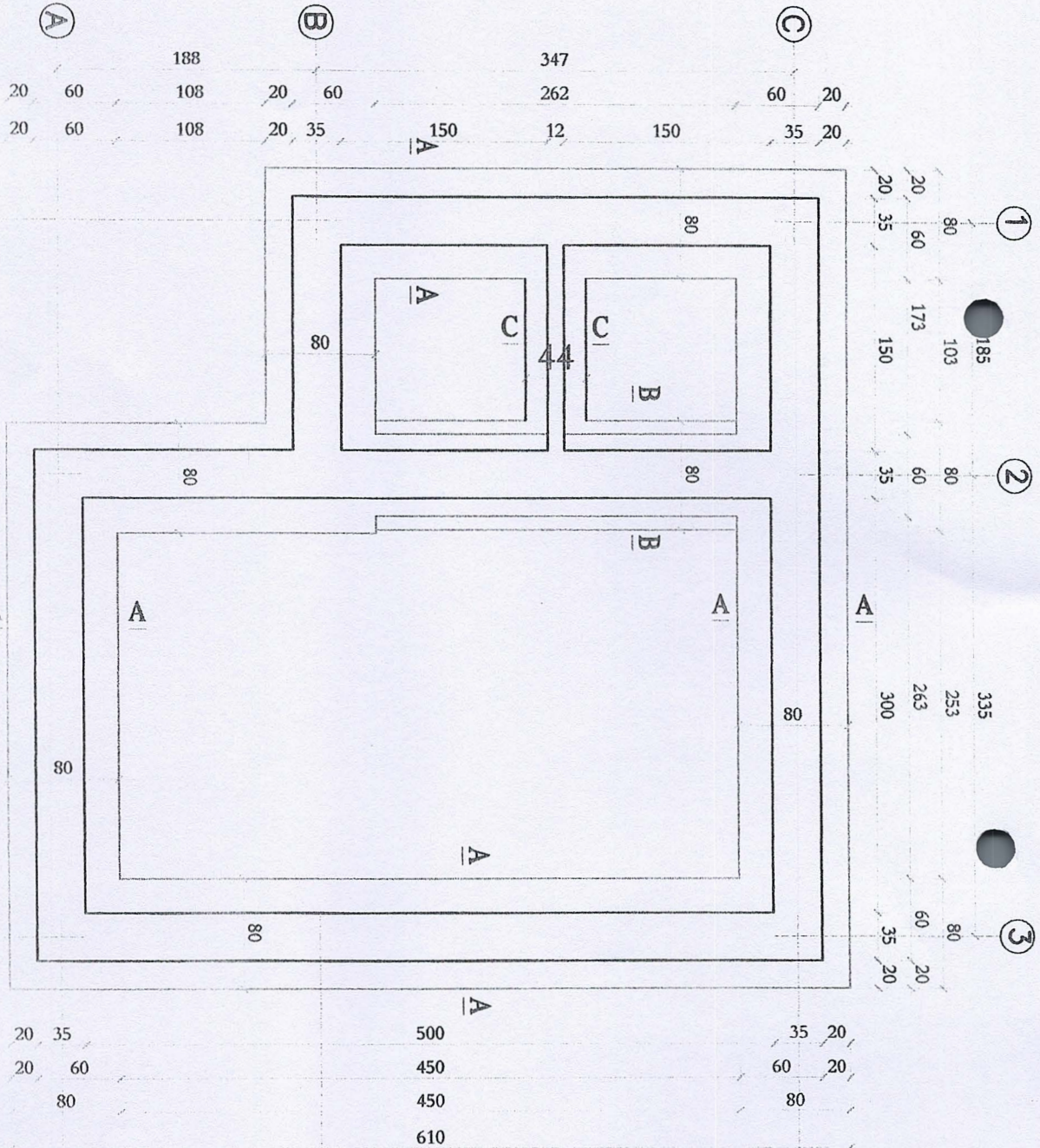


Section B-B





ROOF PLAN



NO.	REVISION	DATE	DESCRIPTION
-----	----------	------	-------------

TENDER SET SUBMISSION

FILE NAME	DATE
-----------	------

DRAWING TITLE

FOUNDATION PLAN

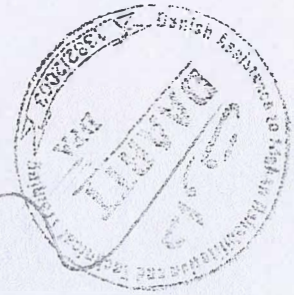
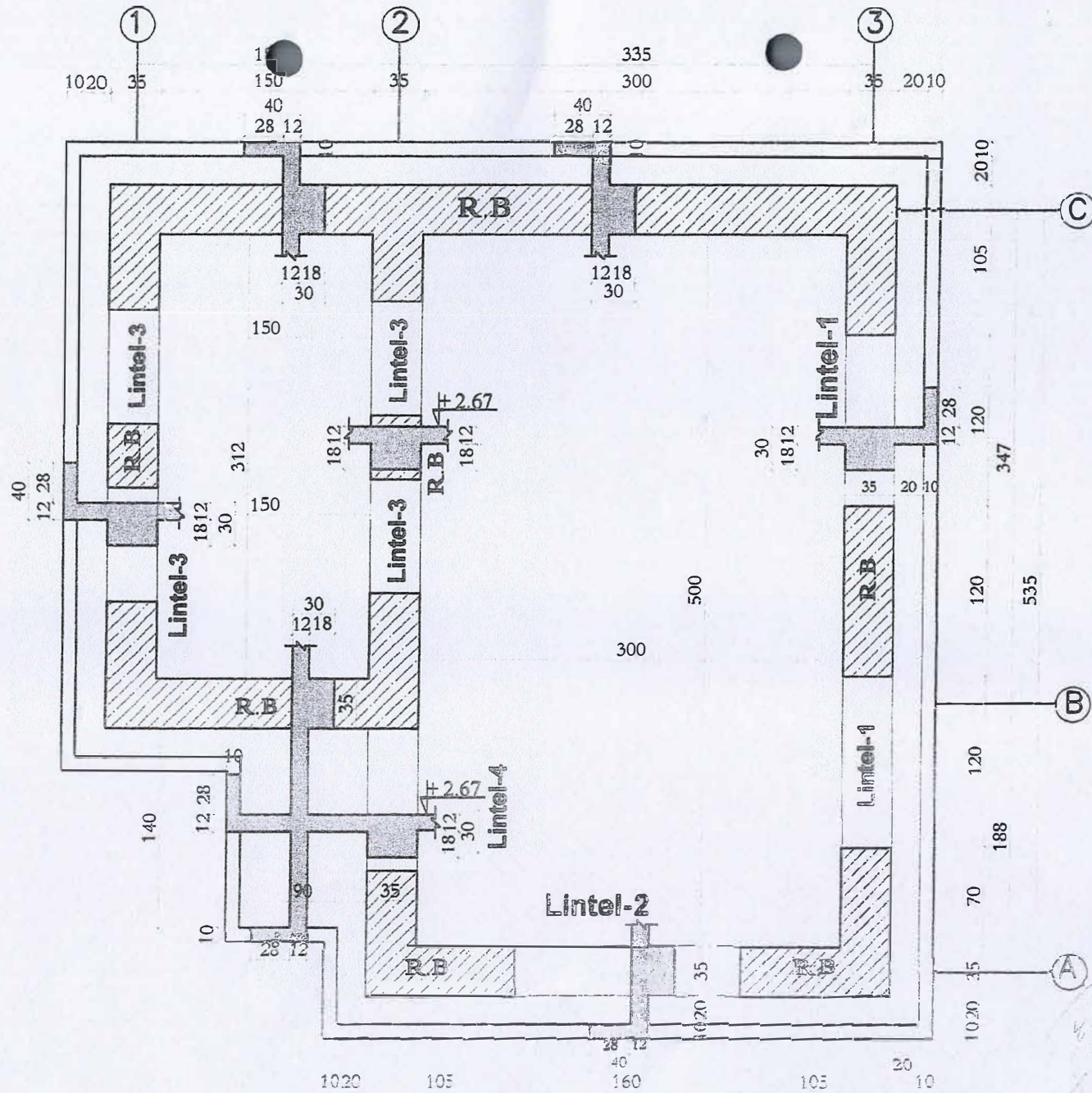
SCALE



Handwritten signature and date: 20/10/2019



Formwork Plan



CONSTRUCTION PROGRAM

DATE: 1438/02/20 15:34 REVISION: 1

REVISION:

NO. DATE DESCRIPTION

TENDER SET SUBMISSION

DATE

FOR GUARD ROOM

PLOT DATE

FILE NAME

FOR GUARD ROOM

STRUCTURE DESIGNER

Eng. Ali Al-Jarrah

CHECKED BY

Eng. Ali Al-Jarrah

APPROVED BY

Eng. Ali Al-Jarrah

DRAWING TITLE

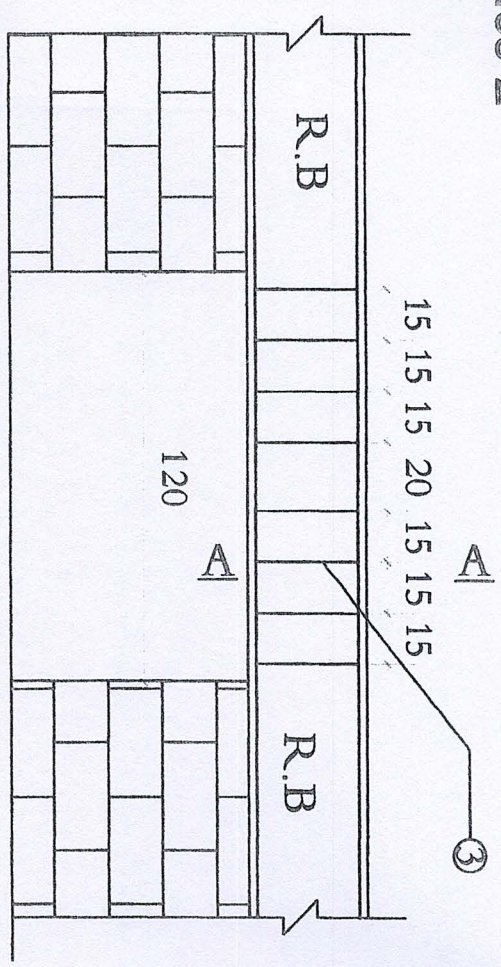
FORMWORK PLAN

SCALE

SHEET NO.

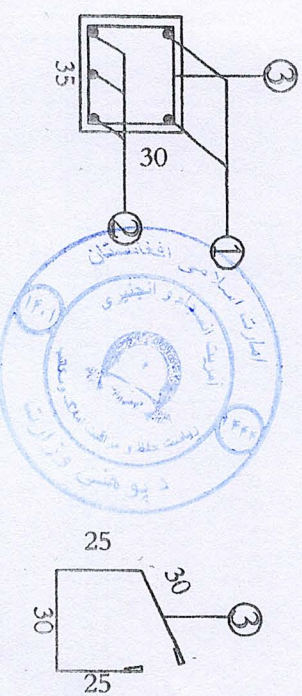
1

Lintel No-1
Nos-2



①
2N 12X 180

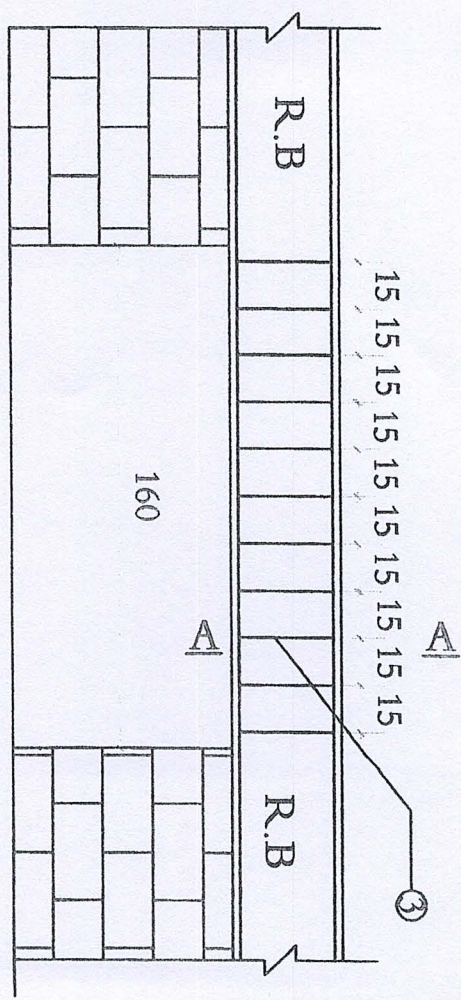
②
3N 14X 180



Sec.A-A

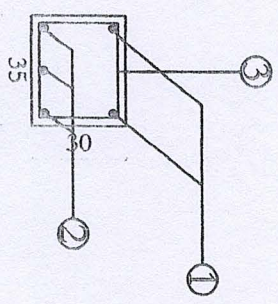
8 Ø 6 @ 15/15x125

Lintel No-2
Nos-1



①
2N14X 220

②
4N 14X 220

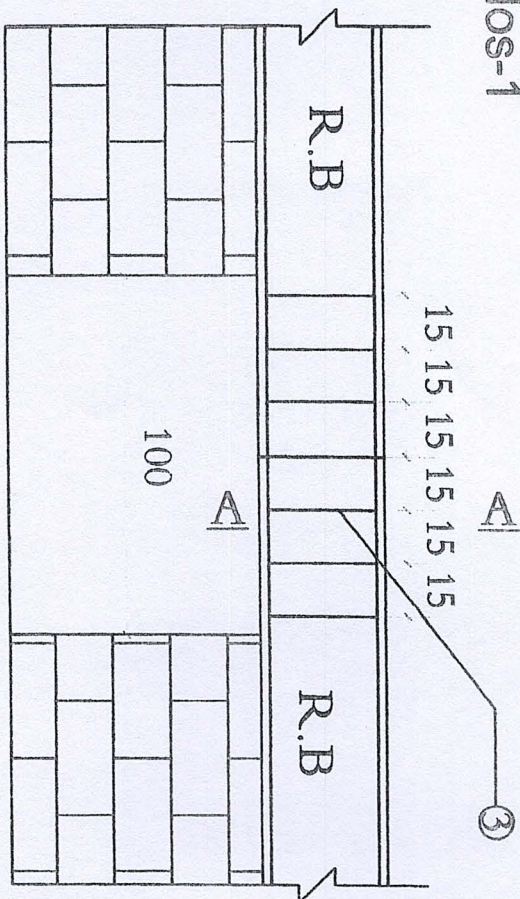


Sec.A-A

11 Ø 6 @ 15/15x125

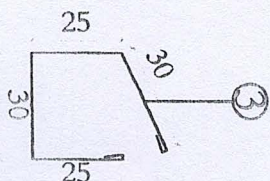
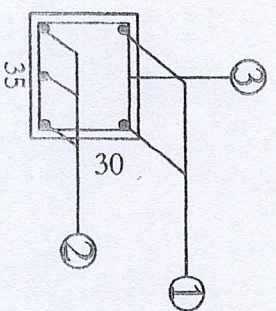
CONSTRUCTION PROGRAM		TENDER SET SUBMISSION	
NO.	DATE	NO.	DATE
DESCRIPTION		DESCRIPTION	
PROJECT NAME		PROJECT NAME	
DRAWING TITLE		DRAWING TITLE	
SCALE		SCALE	

Lintel No-4
Nos-1



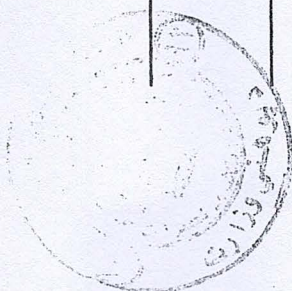
2N 12X 160

3N 14X 160



Sec. A-A

706 @ 15/15x125



SCALE

CLYDE W. COOPER, JR.

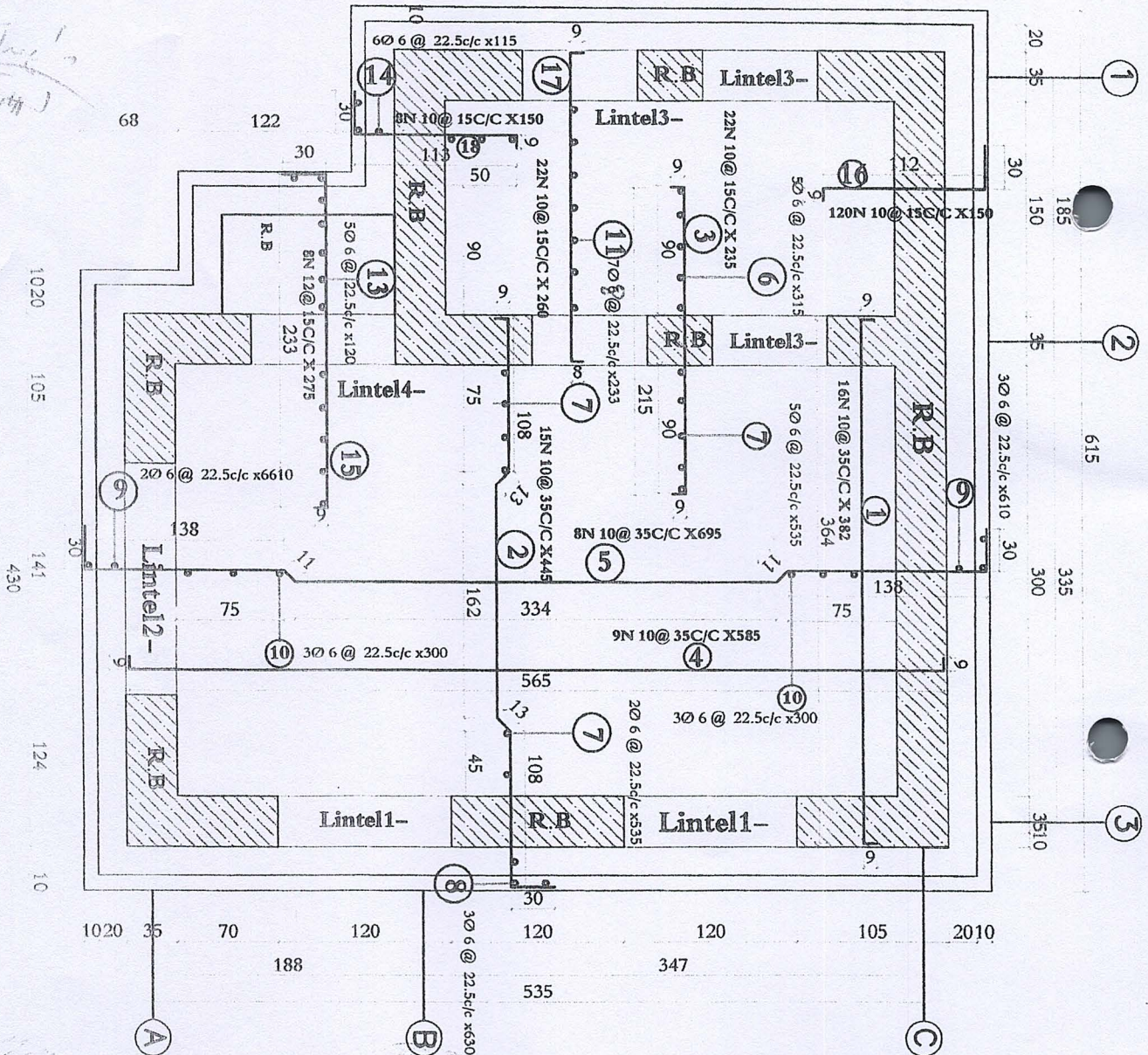
12
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
841
842
843
844
845
846
847
848
849
850
851
852
853
854
855
856
857
858
859
860
861
862
863
864
865
866
867
868
869
870
871
872
873
874
875
876
877
878
879
880
881
882
883
884
885
886
887
88

[illegible]



442

Rienforcement Plan



REVISION	DATE	DESCRIPTION	TENDER SET SUBMISSION	FILE DATE	FILE NAME	STRUCTURE DESIGNER	REINFORCEMENT PLAN	SCALE
NO								

