

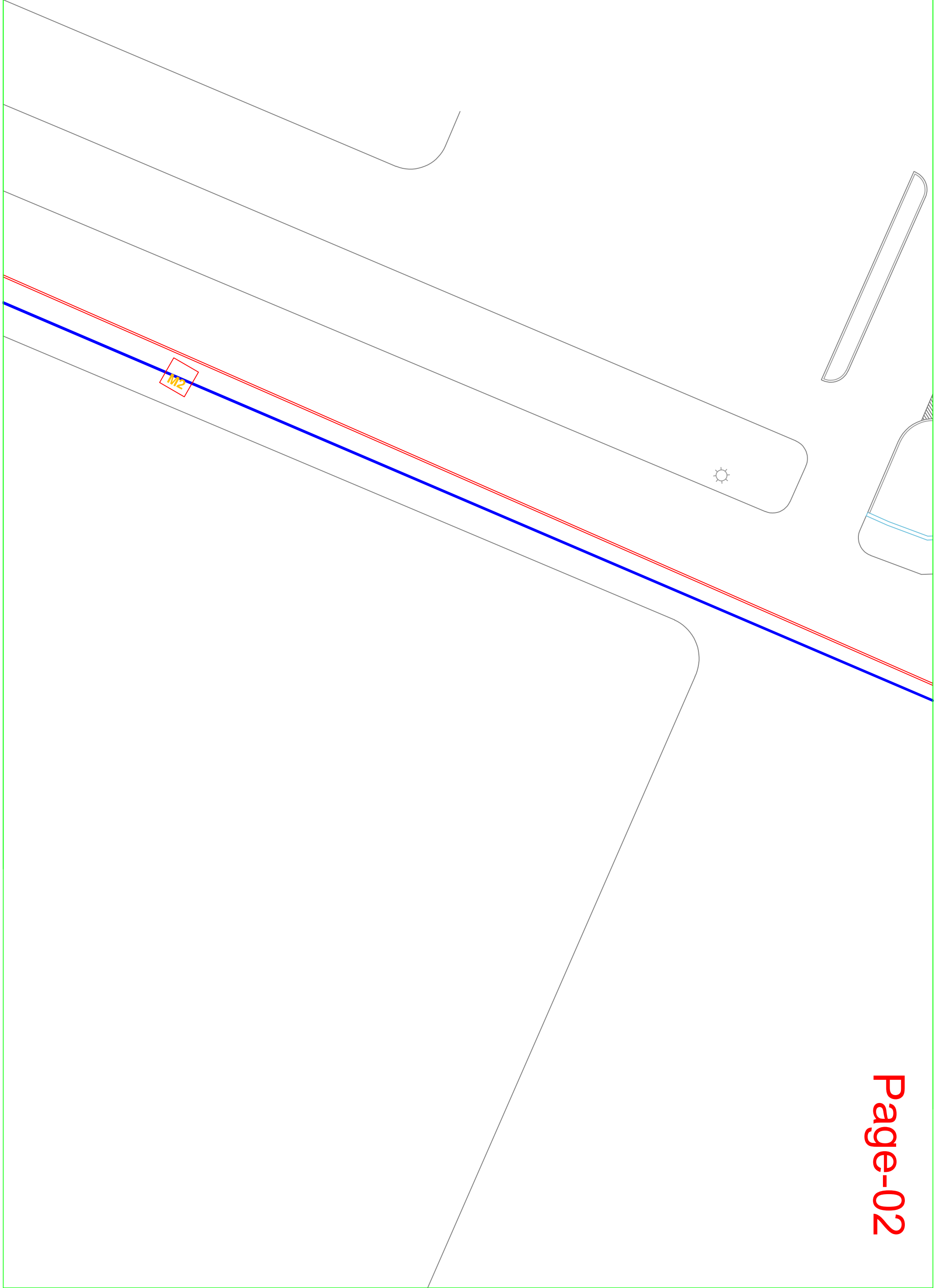


sewerage treatment plant



Typical Drawings for Renovation		
Drawn by: Soran Rostam Aziz		
Sheet Title: Site Plan		
Scale: NTS	Date:	DWG No.

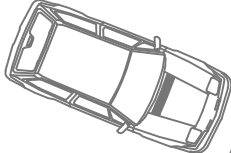


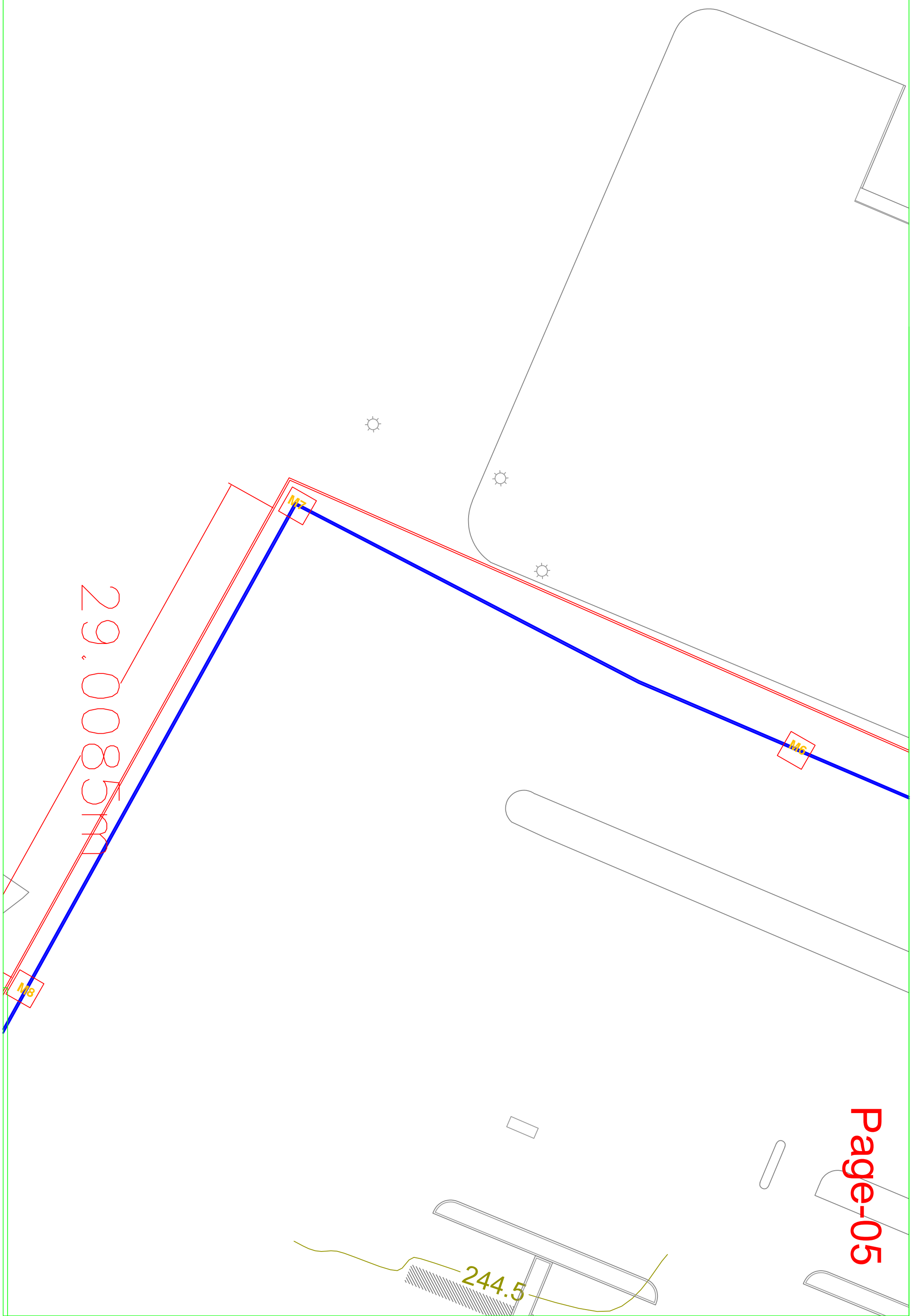


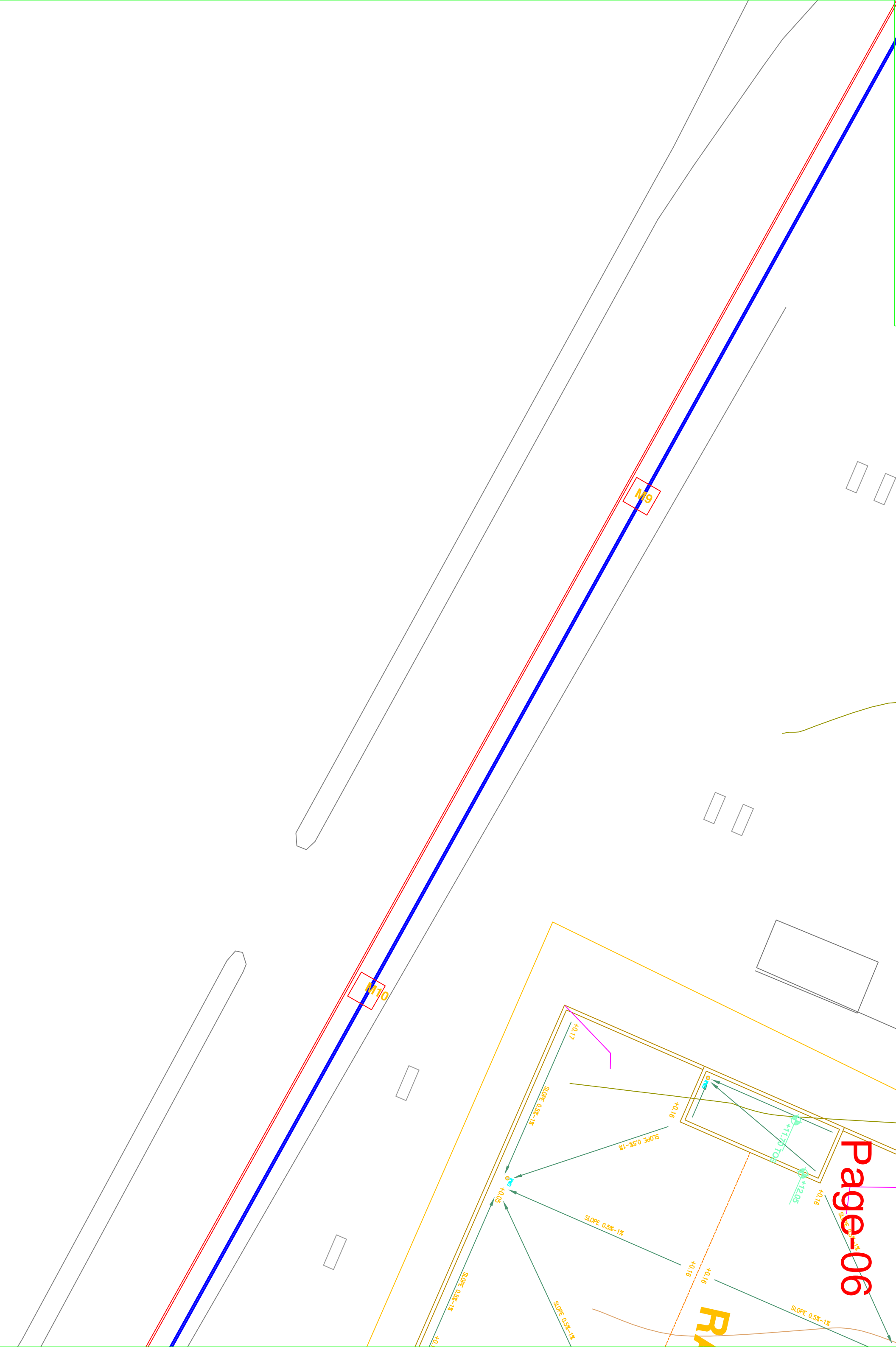


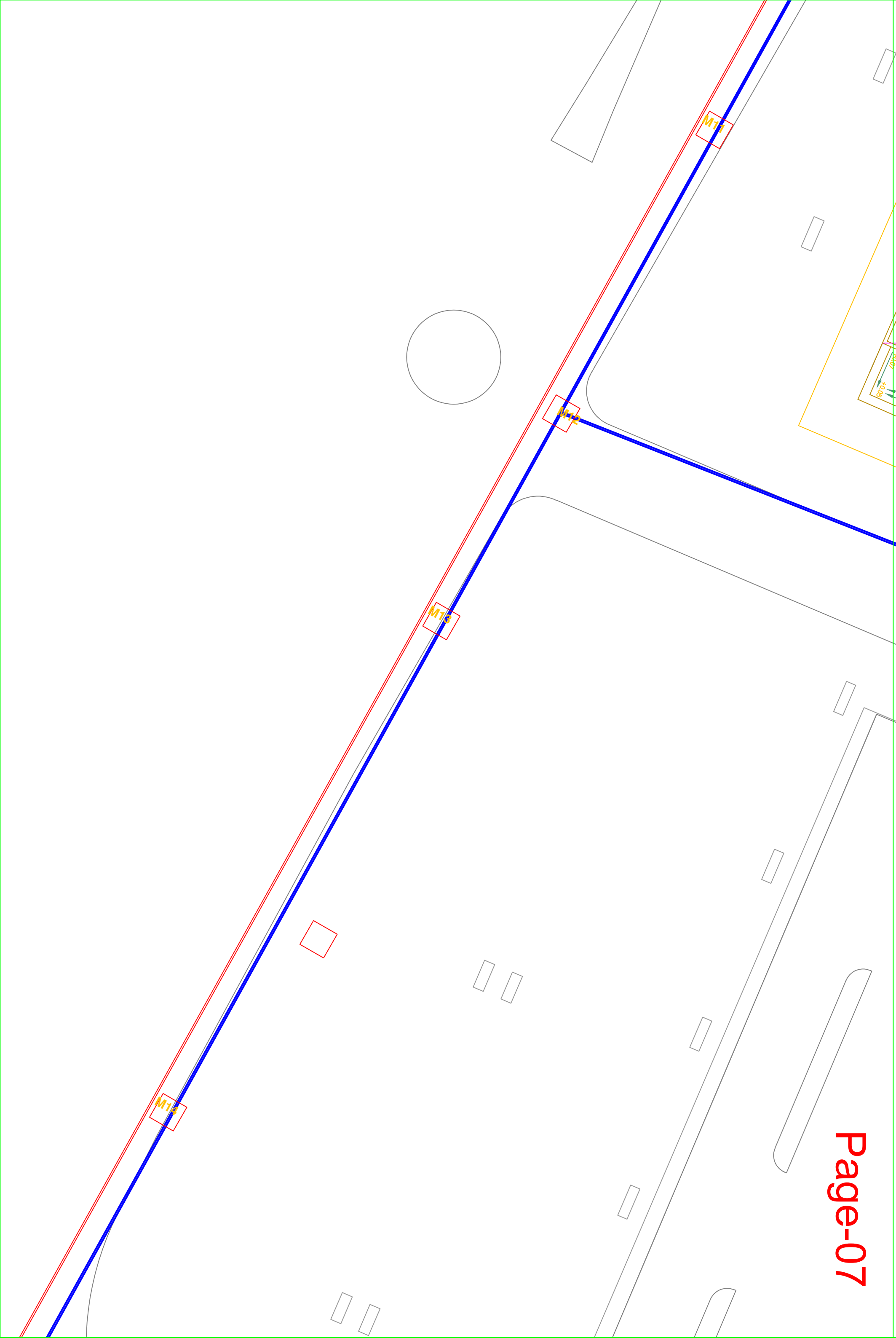
ARTHRITIS
HOSPITAL

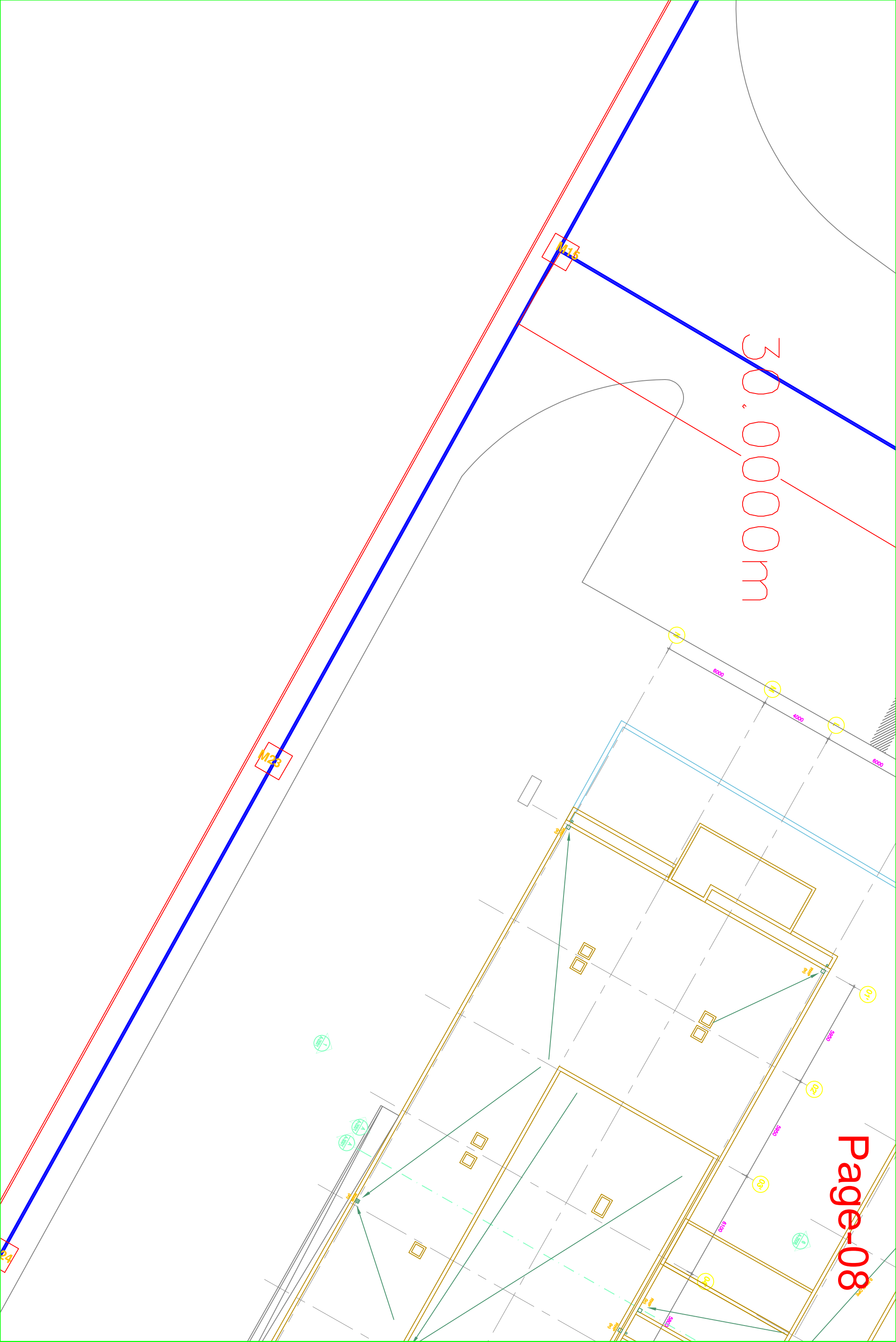
M5











30.0000m

30,00000m

M25

M30

M31

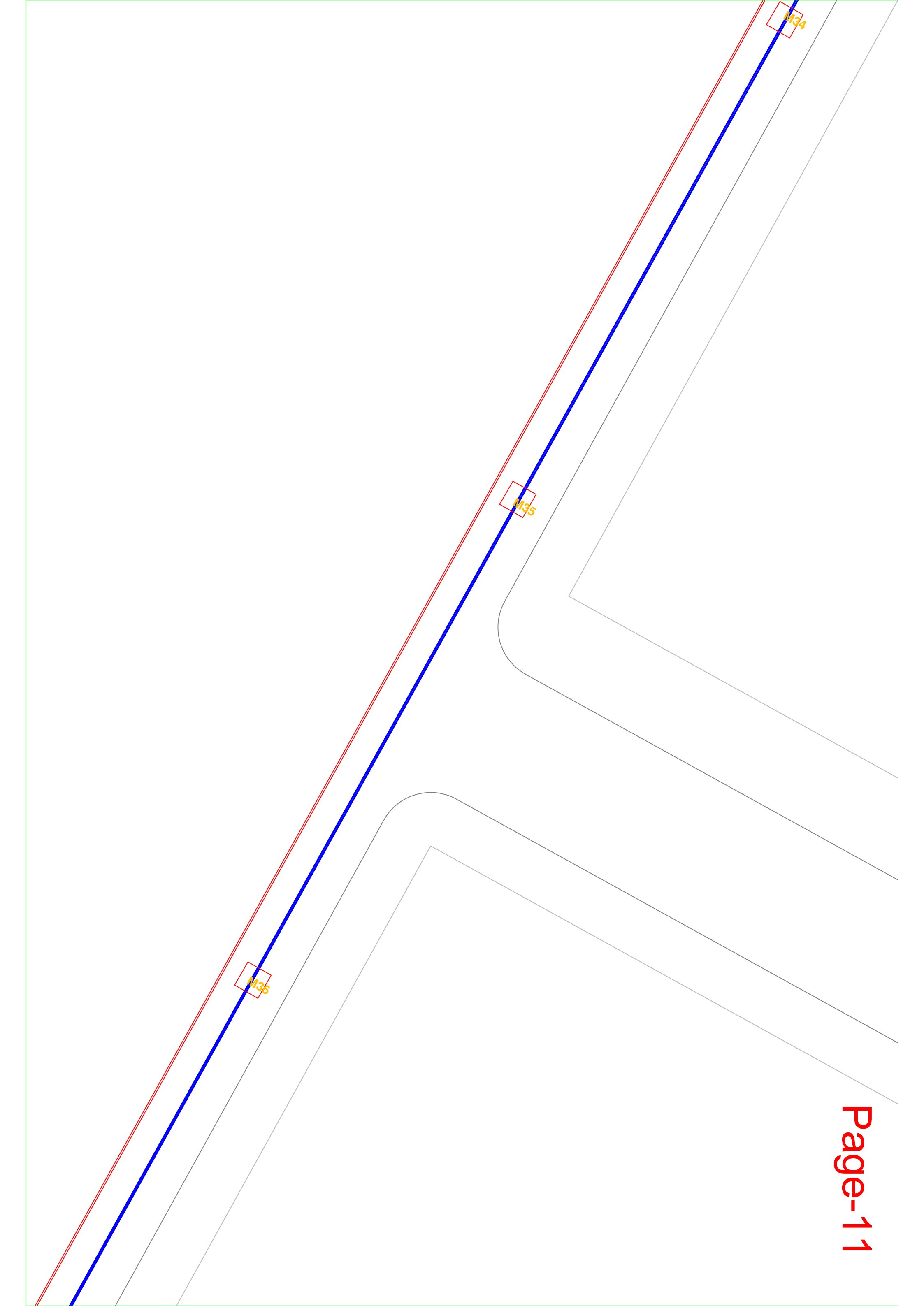
M33

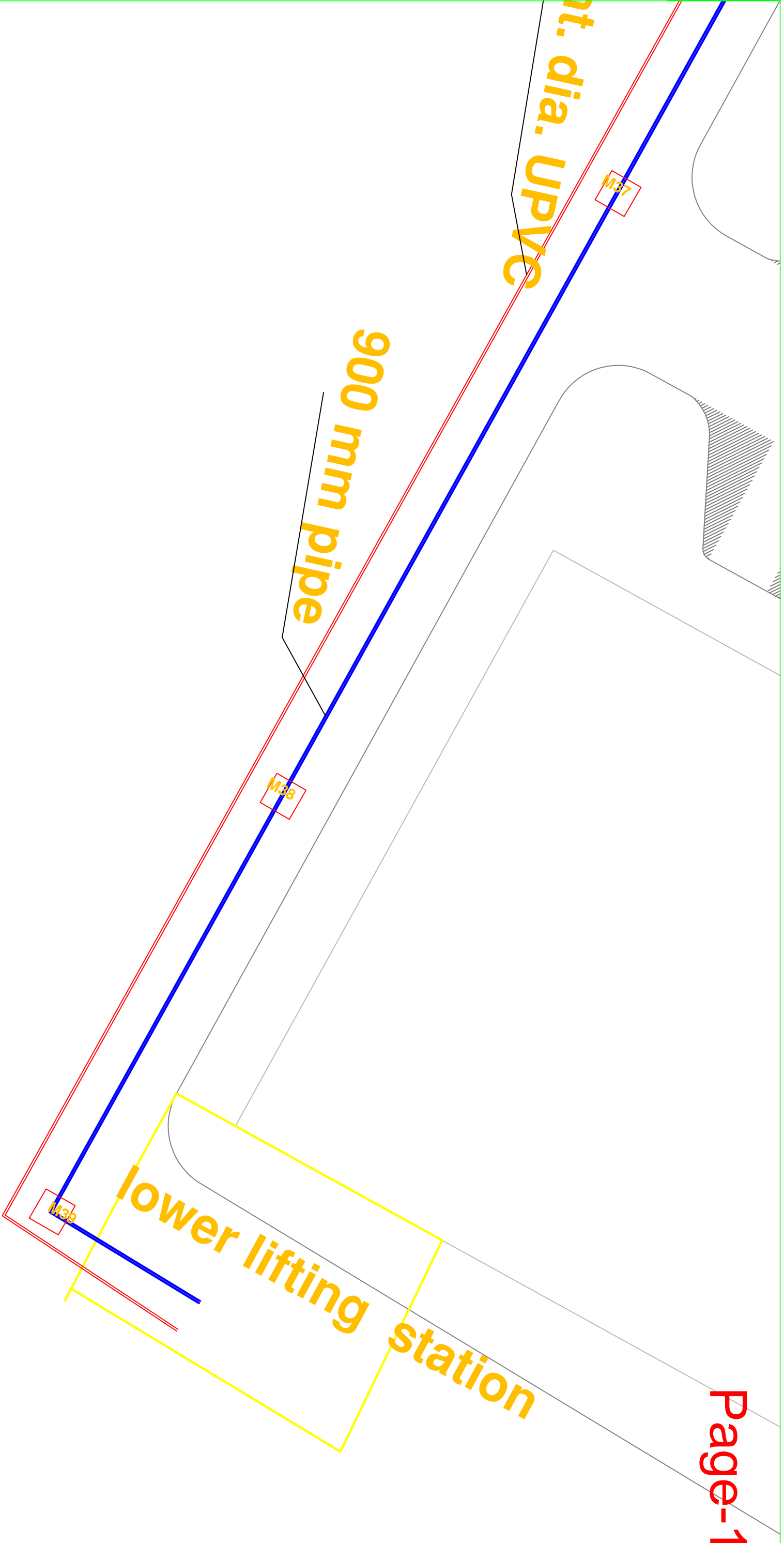
M32

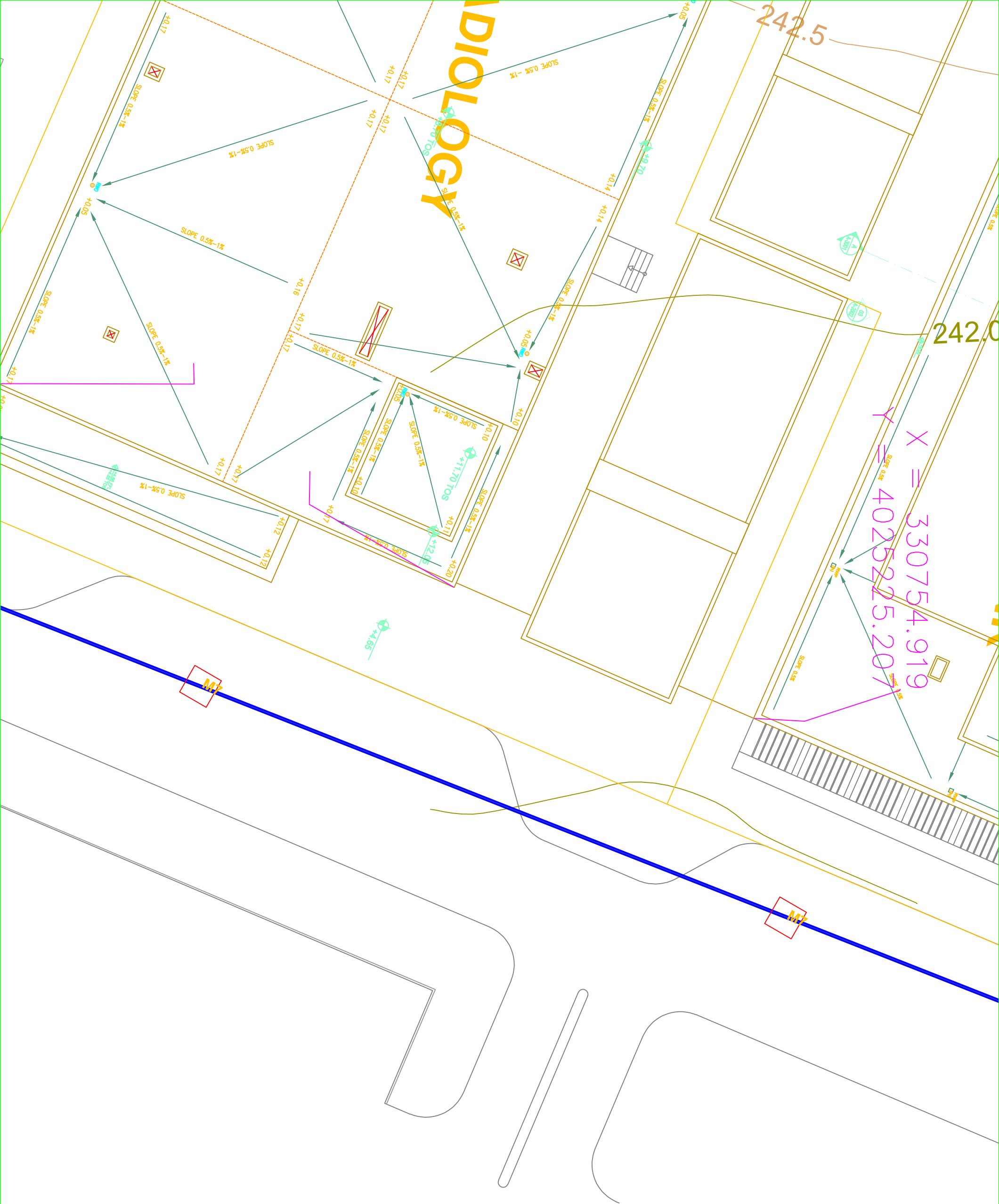
M34

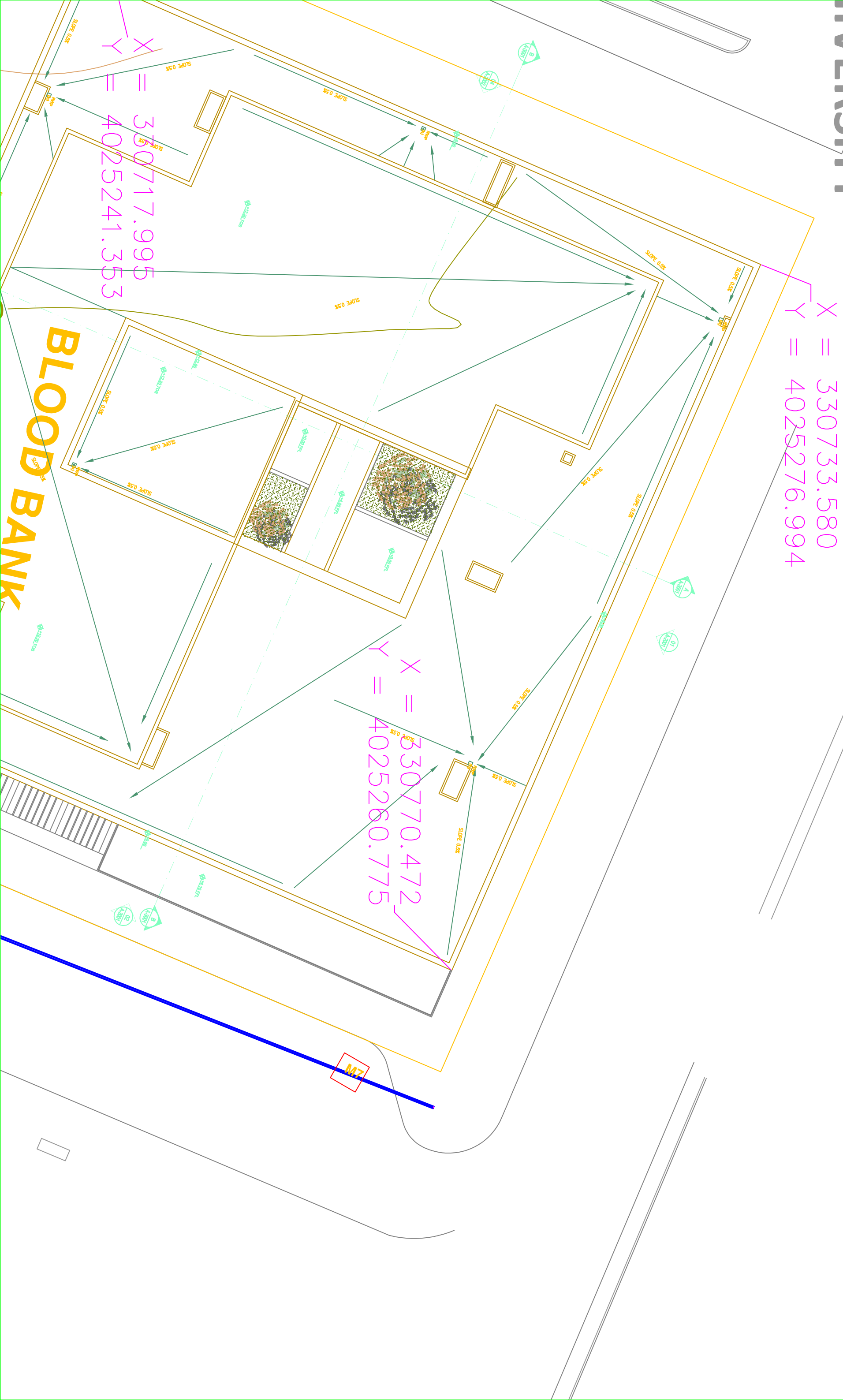
M35

M36



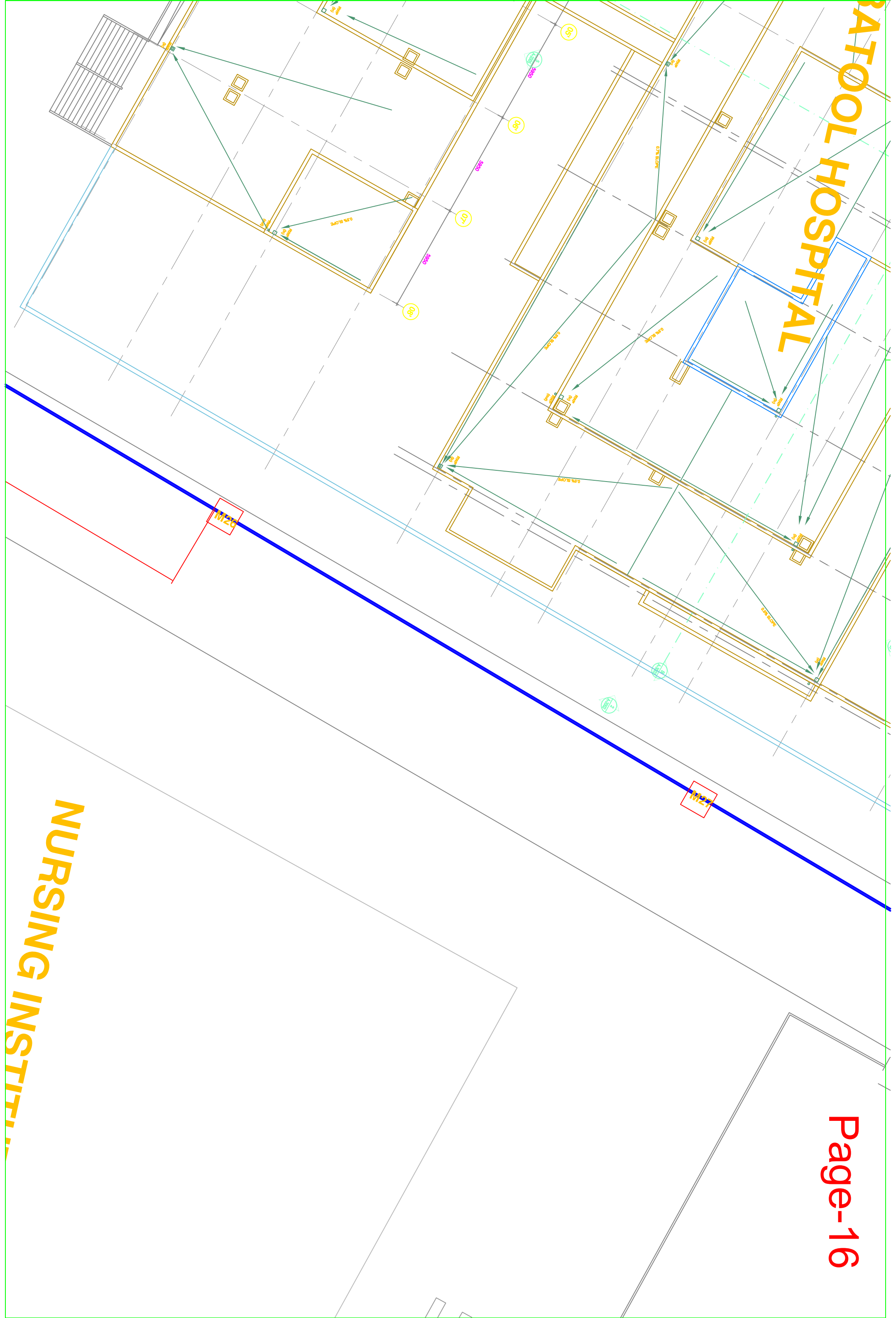






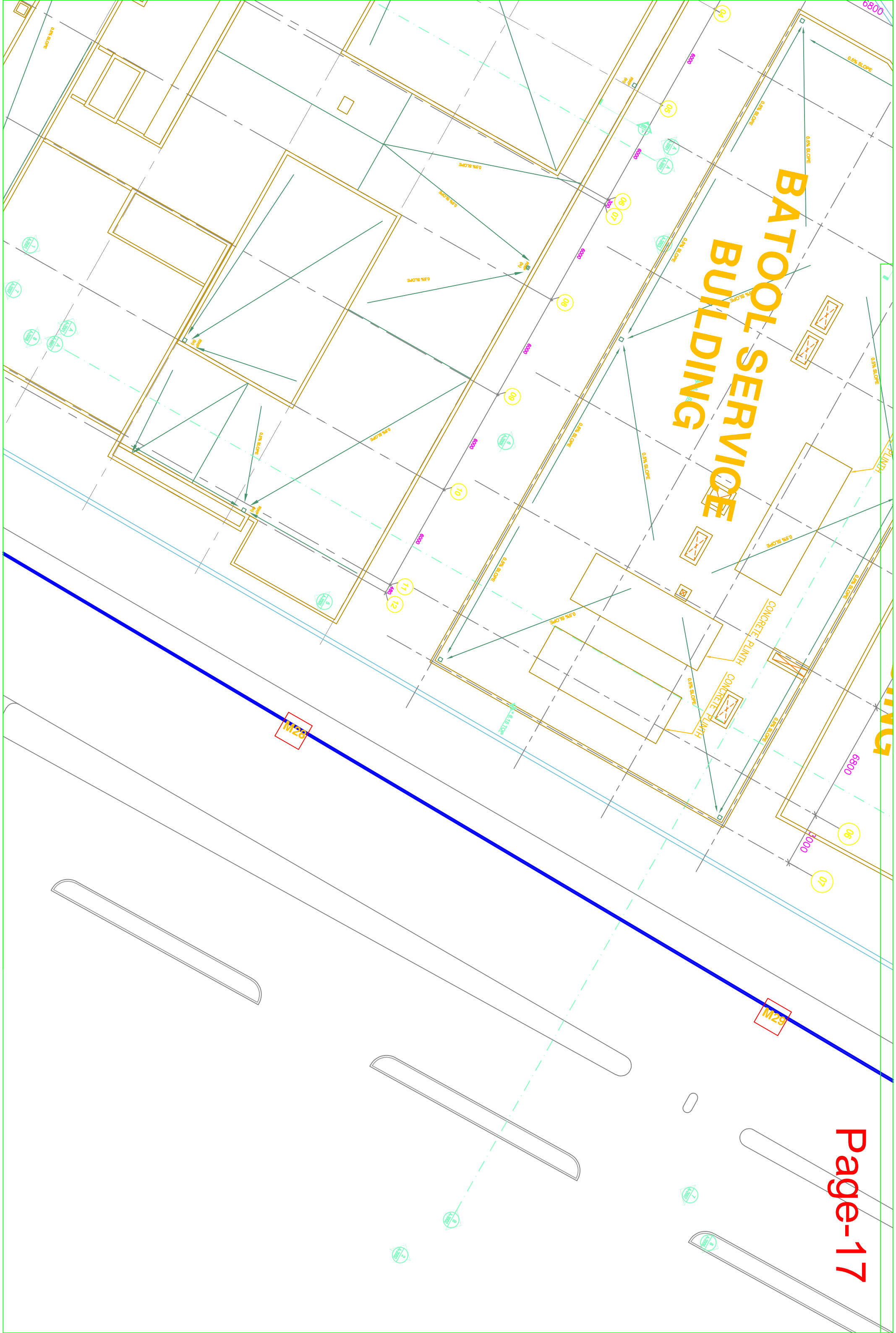


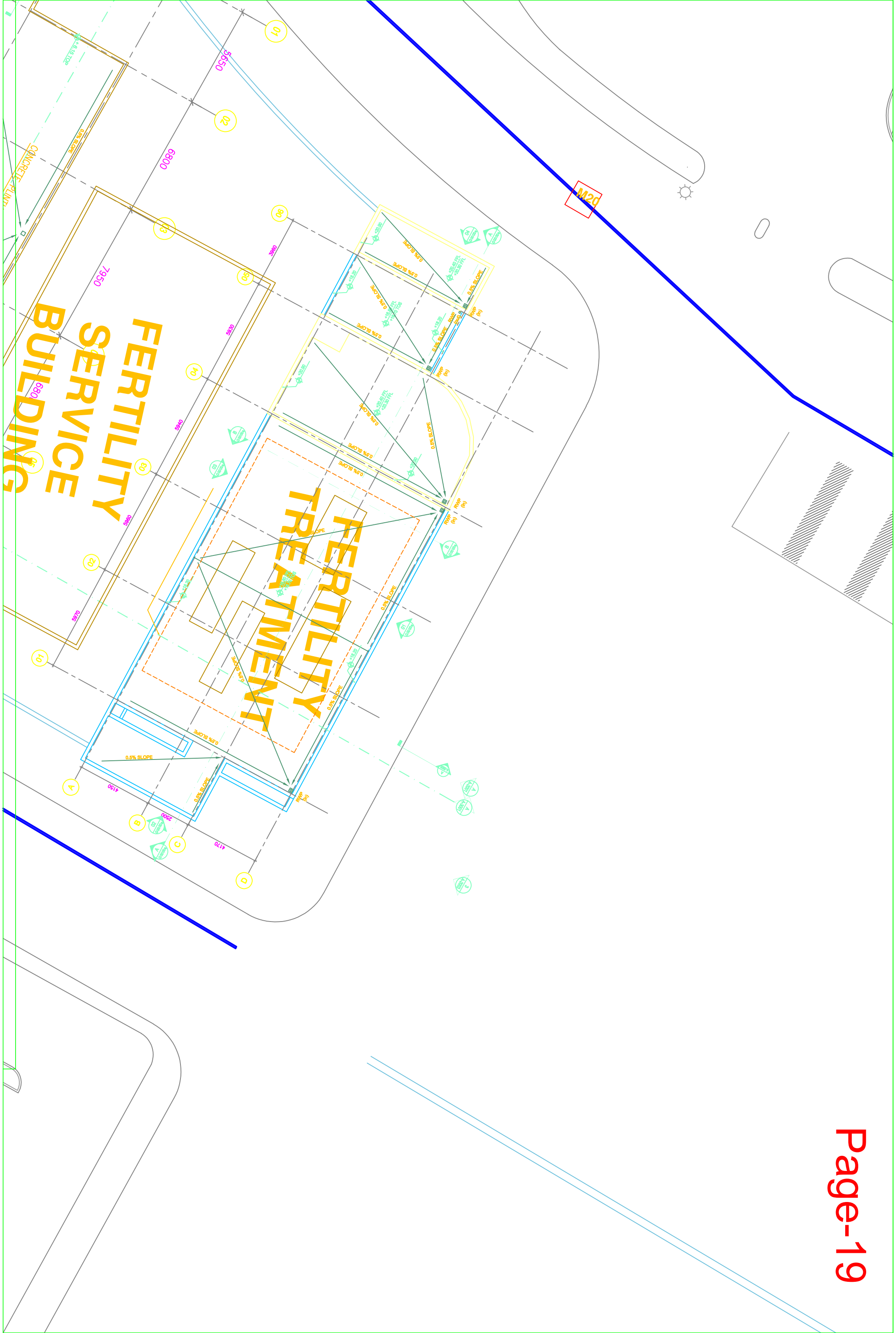
BATOOL HOSPITAL



NURSING INSTITUTE

BATOL SERVICE BUILDING



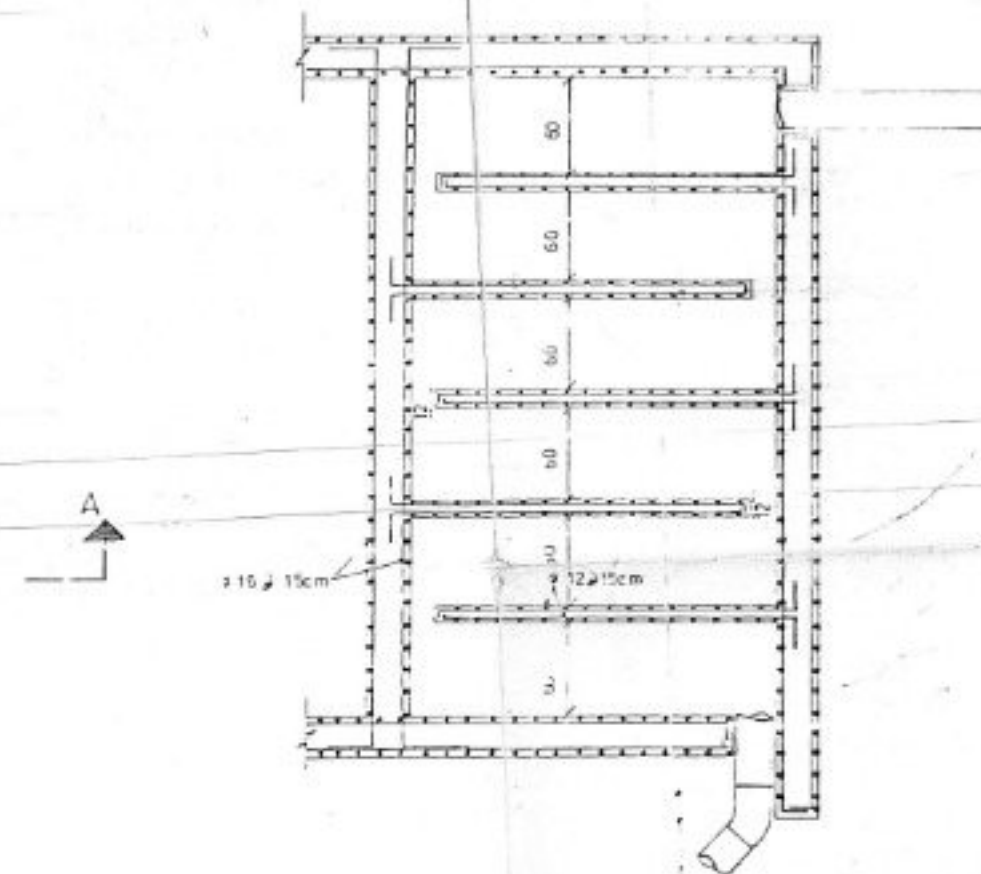
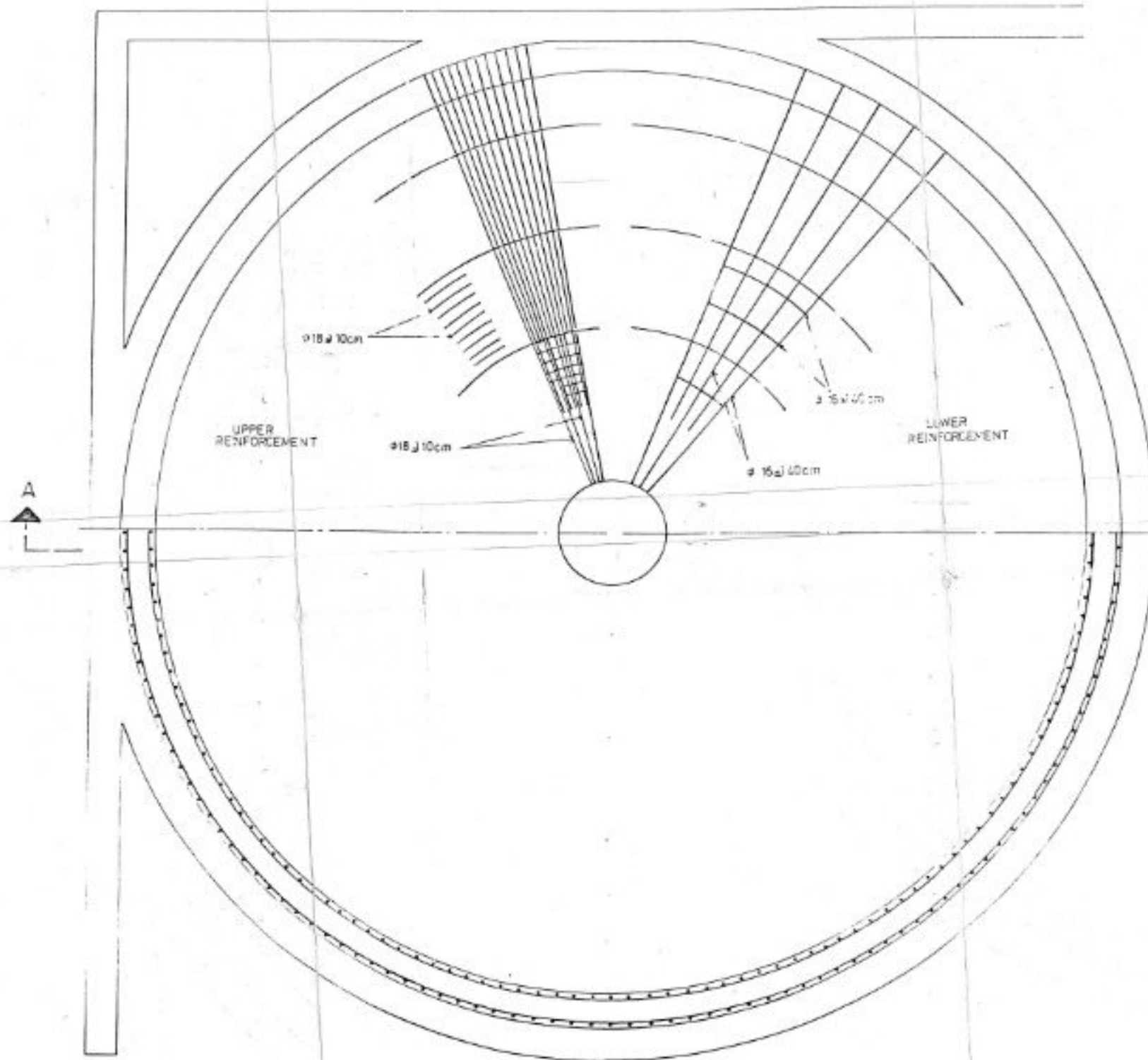


**BURNS HOSPITAL
PARKING**

M22

M21

**BURNS TREATMENT
HOSPITAL**

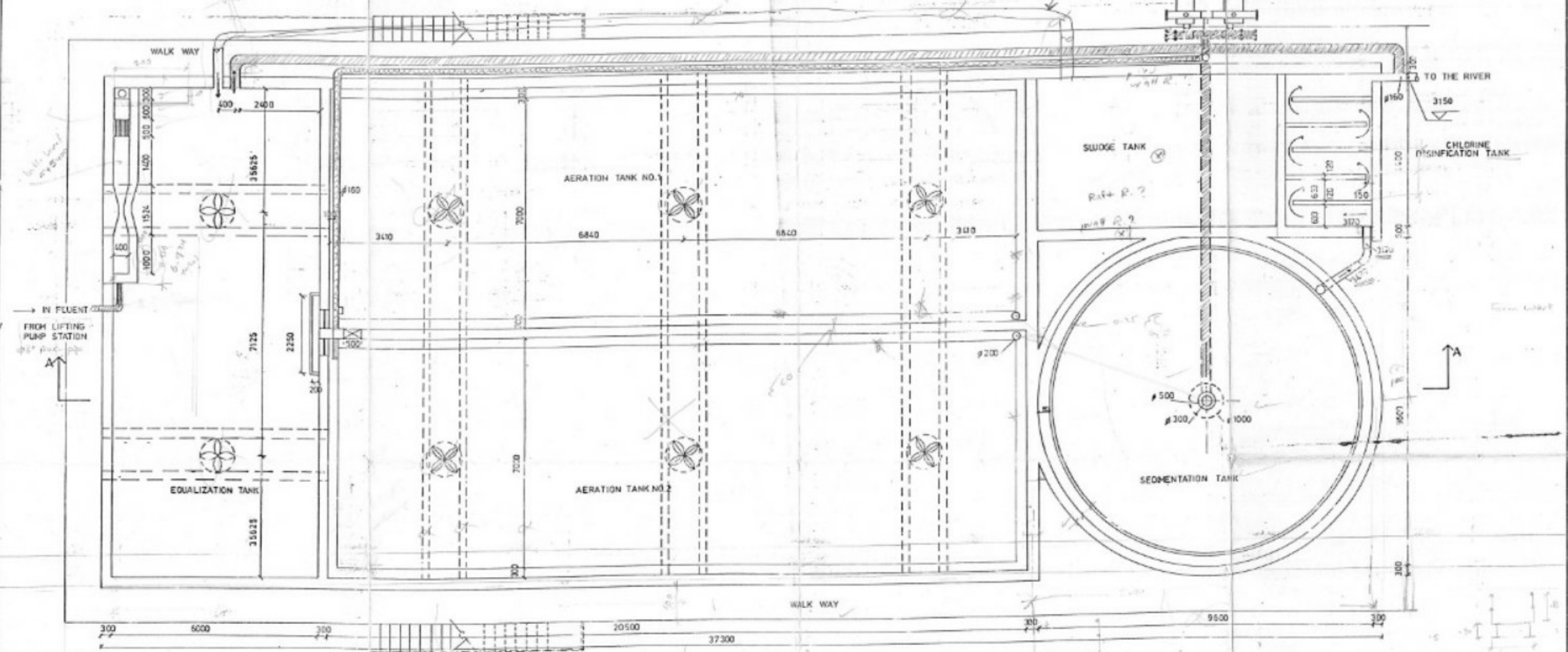


Drawing Title:	
SEDIMENTATION TANK & CHLORINE CELLS	
Sheet NO. 4 ST	
Scale:	1 / 25 (C.M.)
Date:	1999 oct. 31

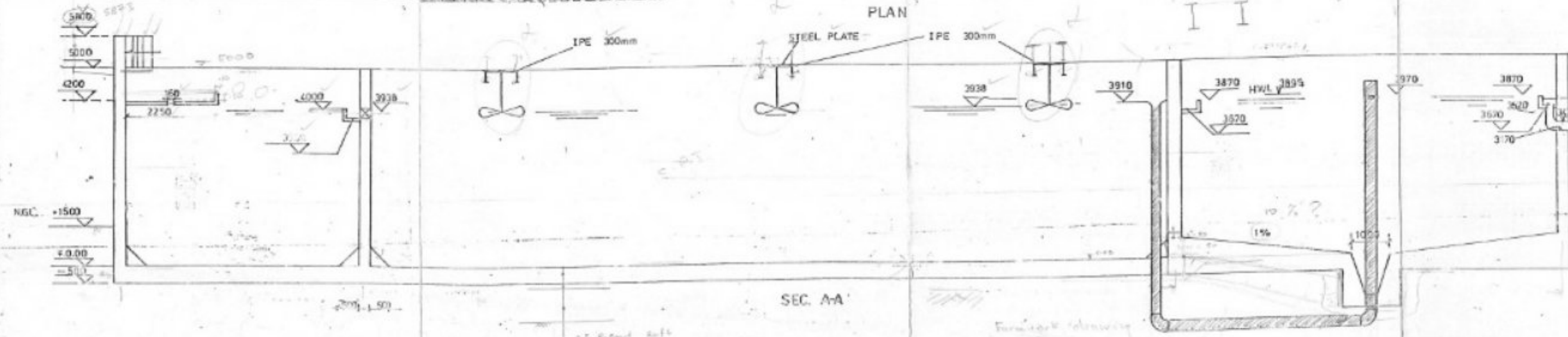
opp. 1 bar, not no
to be

مخطط تقني
مخطط المبنى
مخطط الموقع
مخطط التربة

2ND-2(1+1) SLUDGE PUMP
CAPACITY 0-10 m³/hr



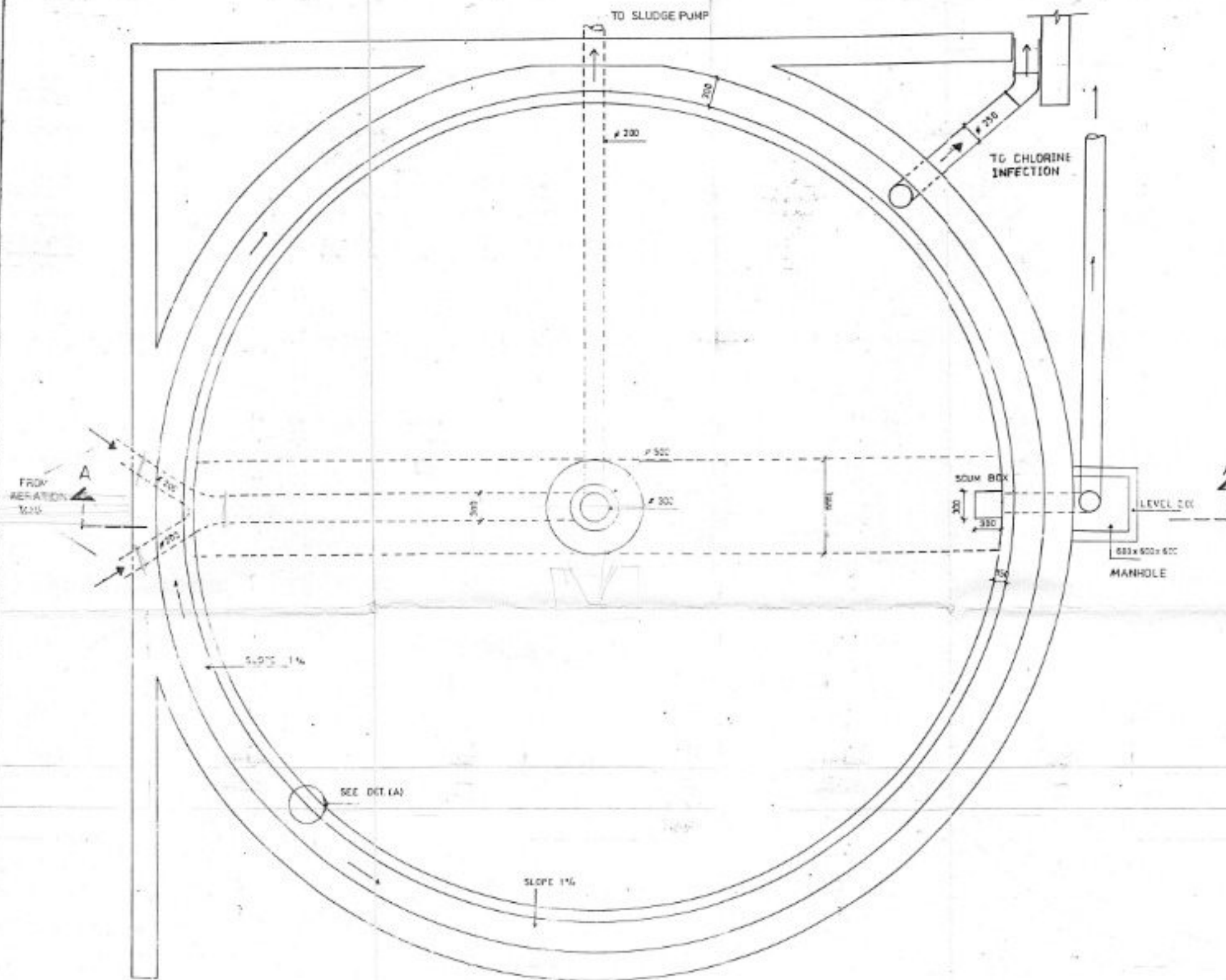
PLAN



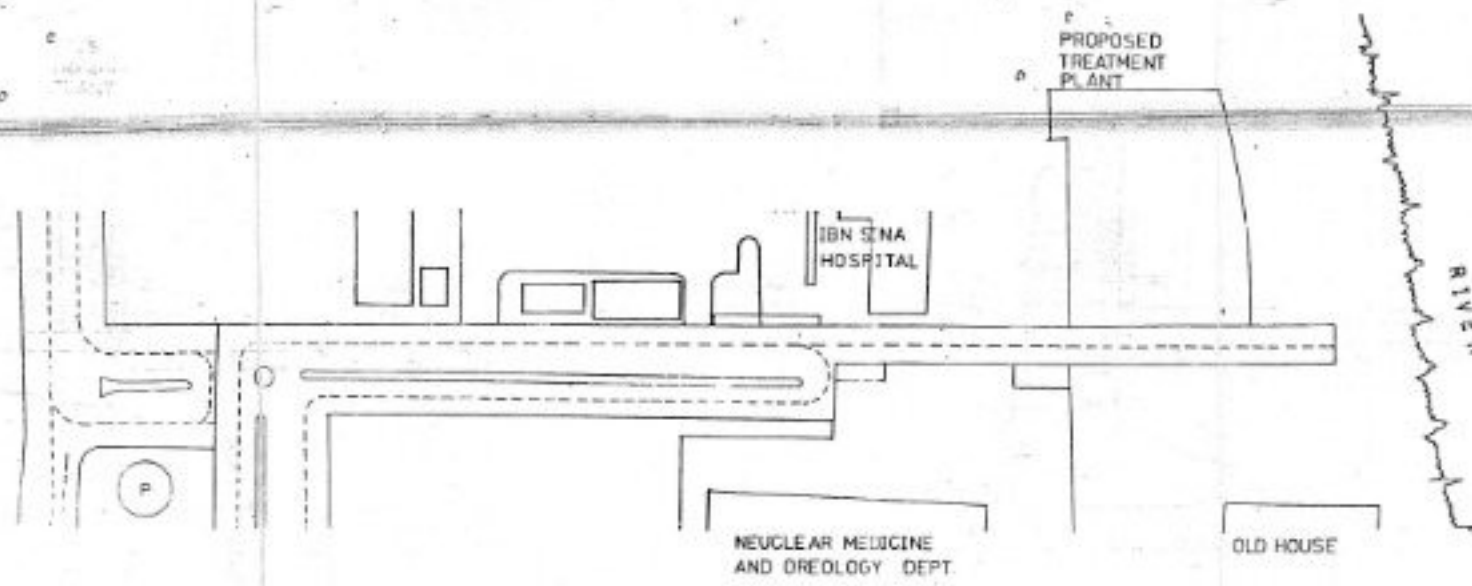
SEC. A-A

0.5 Round Ball
#9 round rebar
Self compacted concrete

Job Title:	3/24 MOSUL HOSPITAL COMPLEX
Drawing Title:	EXTENDED AERATION TECHNOLOGY METHOD
Sheet No:	1 SEW
Scale:	1/50 (mm.)
Date:	1999 oct. 31



Job Title:	5/24
MOSUL HOSPITAL COMPLEX	
Drawing Title	SEDIMENTATION TANK
Sheet NO. 3 SEW	
Scale:	1 / 25 (mm.)
Date:	1999 oct. 31



Dist 1/1000		0.0	60	150	275
G. LEVEL 1/50		107.5	107.0	106.25	104.95
INVERT LEVEL		95.45	95.00	94.00	92.58
DEPTH (in)		22.95	24.05	26.00	20.43
DIAMETER SLOPE				SCOPE 0.0025	
MANHOLE No.		MH6		MH7	MH8

Job Title:	6/24 MOSUL HOSPITAL COMPLEX
Drawing Title:	PIPE LINE
Sheet NO.	6 SEW
Scale:	Mentioned
Date:	1999 oct. 31

AERATION TANK NO. 1

AERATION TANK NO. 2

MIKER NO. 1

MIKER NO. 2

THROUGH GEAR BOX
5.4.15

EQUALIZATION TANK

RETURN SUPER NATE
OF SLUDGE PIPE 100mm

OVER FLOW PIPE 100mm

FROM LIFTING PUMP STATION

200 mm
SPACE 25mm
FOR 10mm

CHANNEL 100x50mm L.P.L. 5mm

JOB TITLE: 7/24
MOSU HOSPITAL COMPLEX

WORKING TITLE:
PARALLEL FLOW SCREEN
& EQUALIZATION TANK

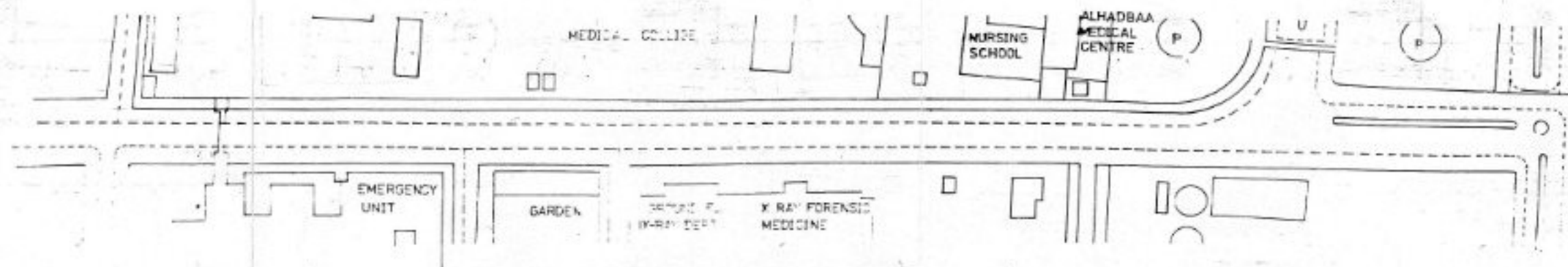
PROJECT NO. 7-55-4

FILE: Mentioned (nm)

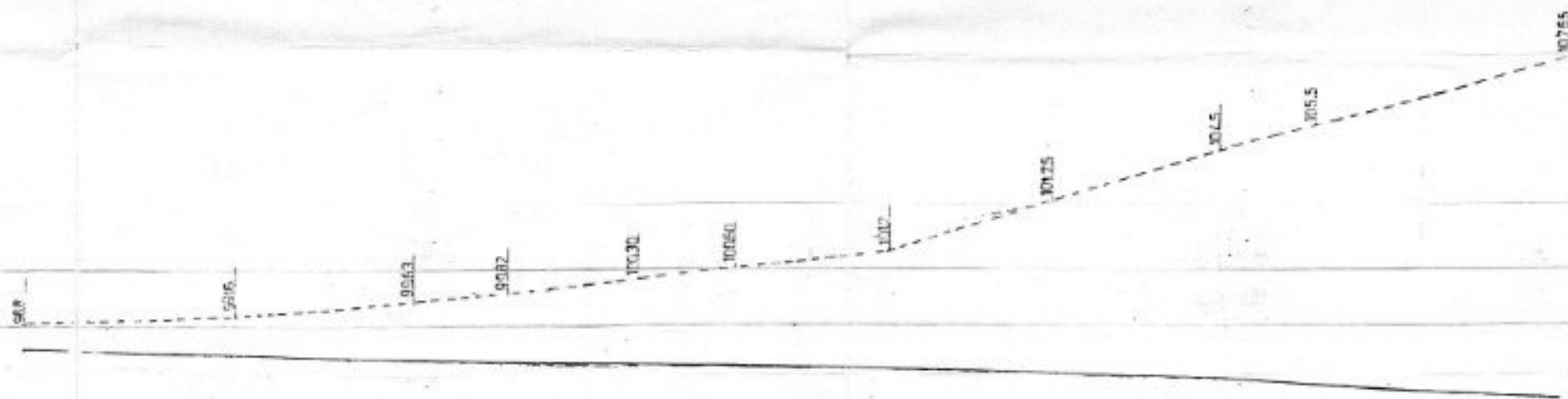
DATE: 1959 Oct. 1

SECTION A

SECTION B-B



SCALE 1/1000



Dist. 1/1000	0	5	10	15	20	25	30	35	40	45	50
G. LEVEL 1/50	96.8	95.96	95.63	95.82	96.30	96.60	97.07	97.25	97.45	97.55	97.65
INVERT LEVEL	95.0	95.425	95.23	95.5	95.825	96.1	96.30	96.475	96.65	96.75	96.85
DEPTH M.	1.80	0.1375	0.1375	0.1375	0.1375	0.1375	0.1375	0.1375	0.1375	0.1375	0.1375
DIAMETER SLOPE											
MANHOLE NO.	MH1	MH2	MH3	MH4	MH5	MH6					

SLOPE 0.0025

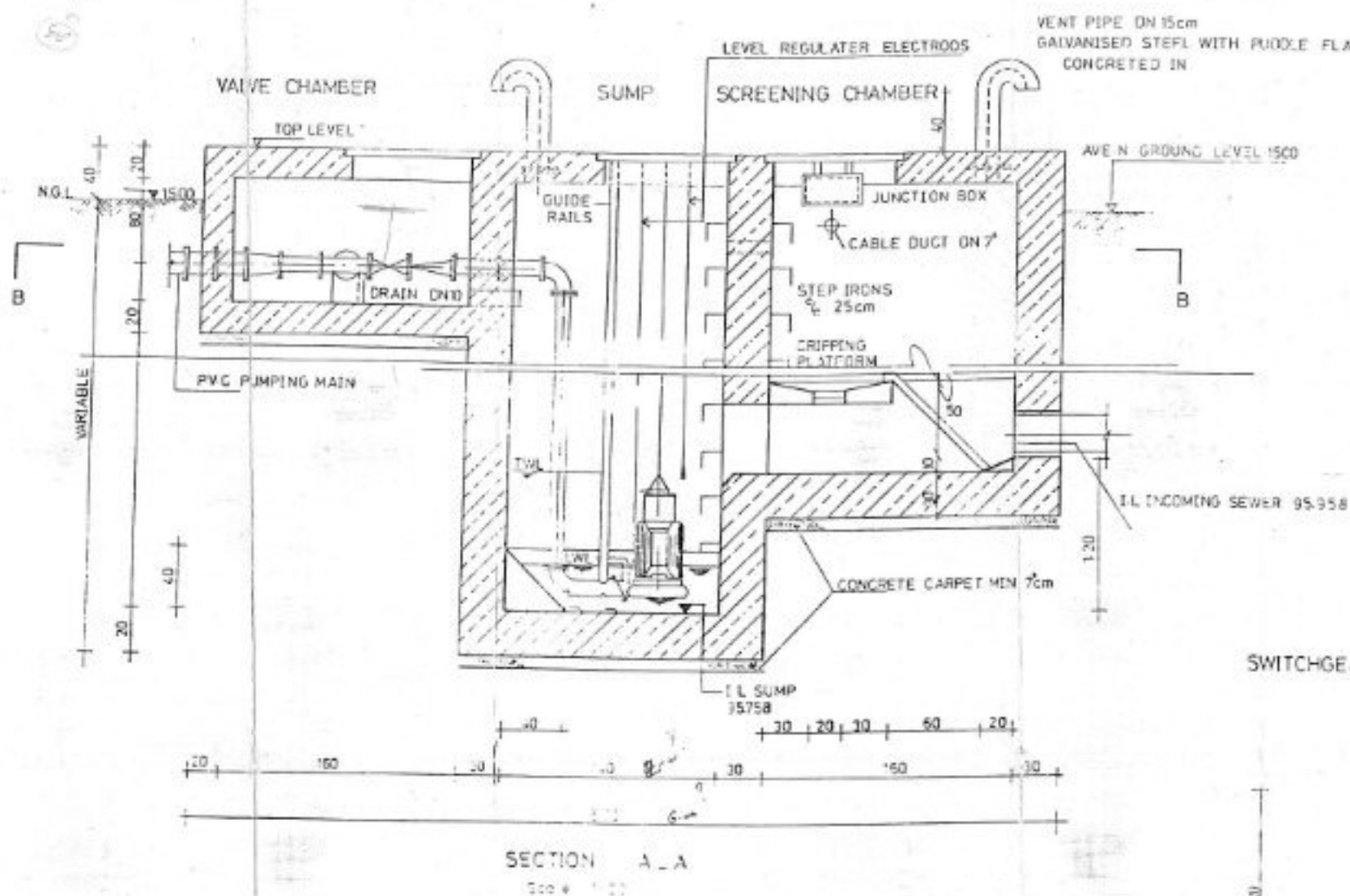
Job Title: 9/24
MOSUL HOSPITAL COMPLEX

Drawing Title: PIPE LINE

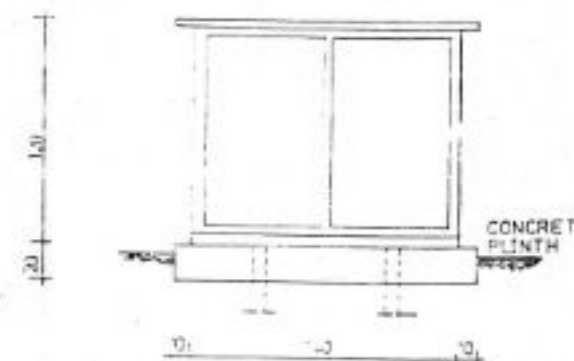
Sheet NO. 5 SWE

Scale: Mentioned

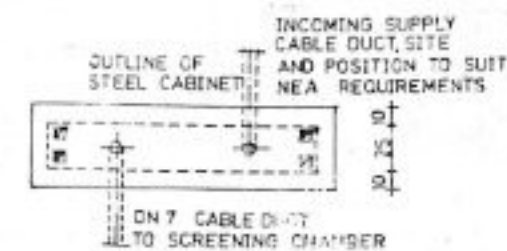
Date: 1999 oct.31



SWITCHGEAR STEEL CABINET ELEVATION



PLAN OF CONCRETE PLINTH



NOTE:

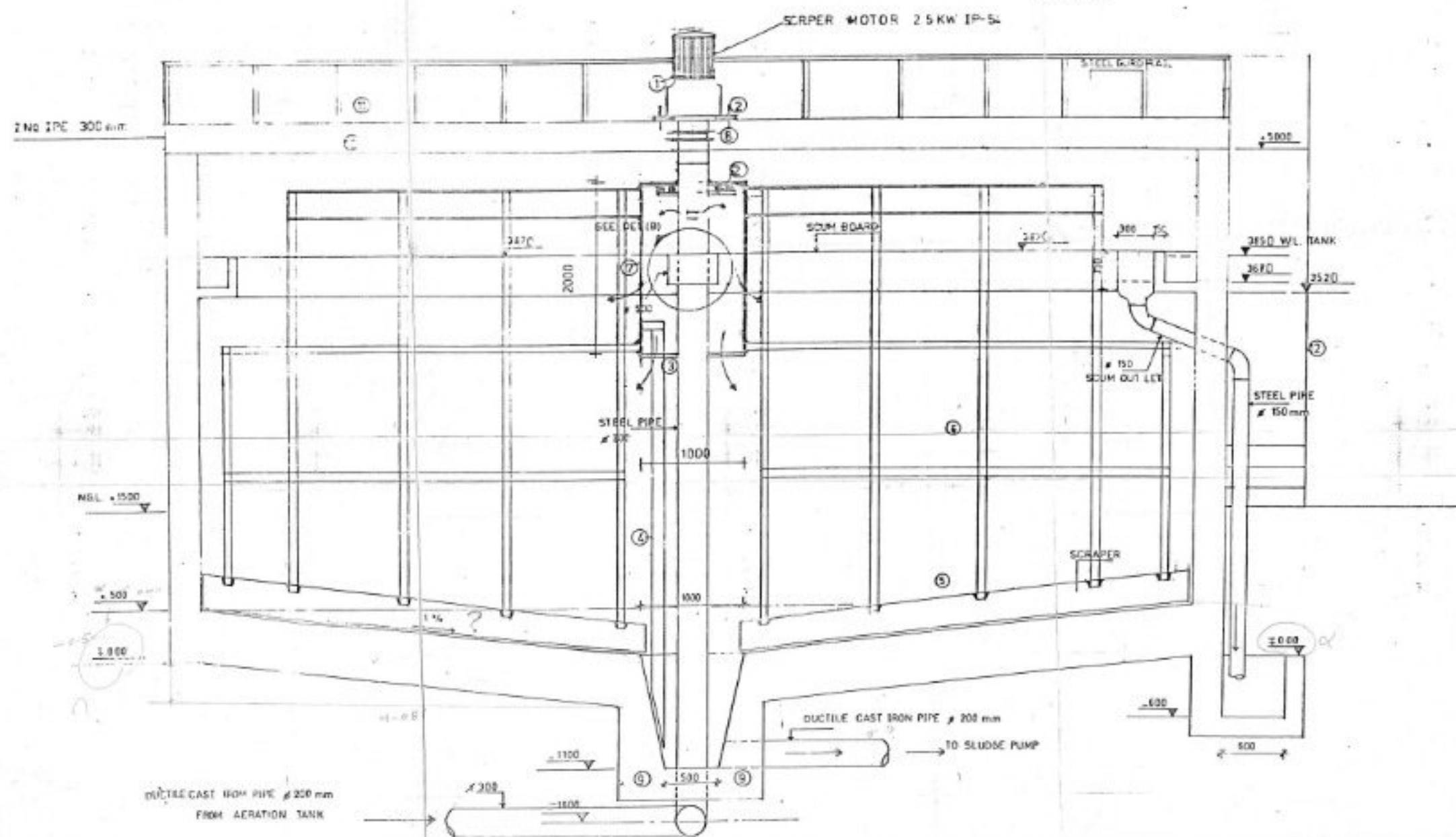
- 1 ALL REINFORCED CONCRETE TO BE CONCRETE GRADE "B0".
- 2 TREATMENT OF EXTERNAL AND INTERNAL CONCRETE FACES ACCORDING TO SPECIFICATION.
- 3 LOCATION OF SWITCHGEAR AND CONTROL CABINET TO BE DECIDED ON SITE (max DISTANCE FROM PUMPING STATION=15m).

PARTICULARS	PS1
NUMBER OF PUMPING UNITS	3
CAPACITY BOTH DUTY PUMPS PARALLEL OPERATION (L/S)	1
AT MANOM HEAD	1
INVERT LEVEL INCOMING SEWER	95.958
Ø INCOMING SEWER (mm)	450
Ø PUMPING MAIN (mm)	80
LENGTH PUMPING MAIN (LIN m)	10

Job Title:	10/24 MOSUL HOSPITAL COMPLEX
Drawing Title:	PUMP STATION
Sheet No.	7 SEW
Scale:	1/20
Date:	1999

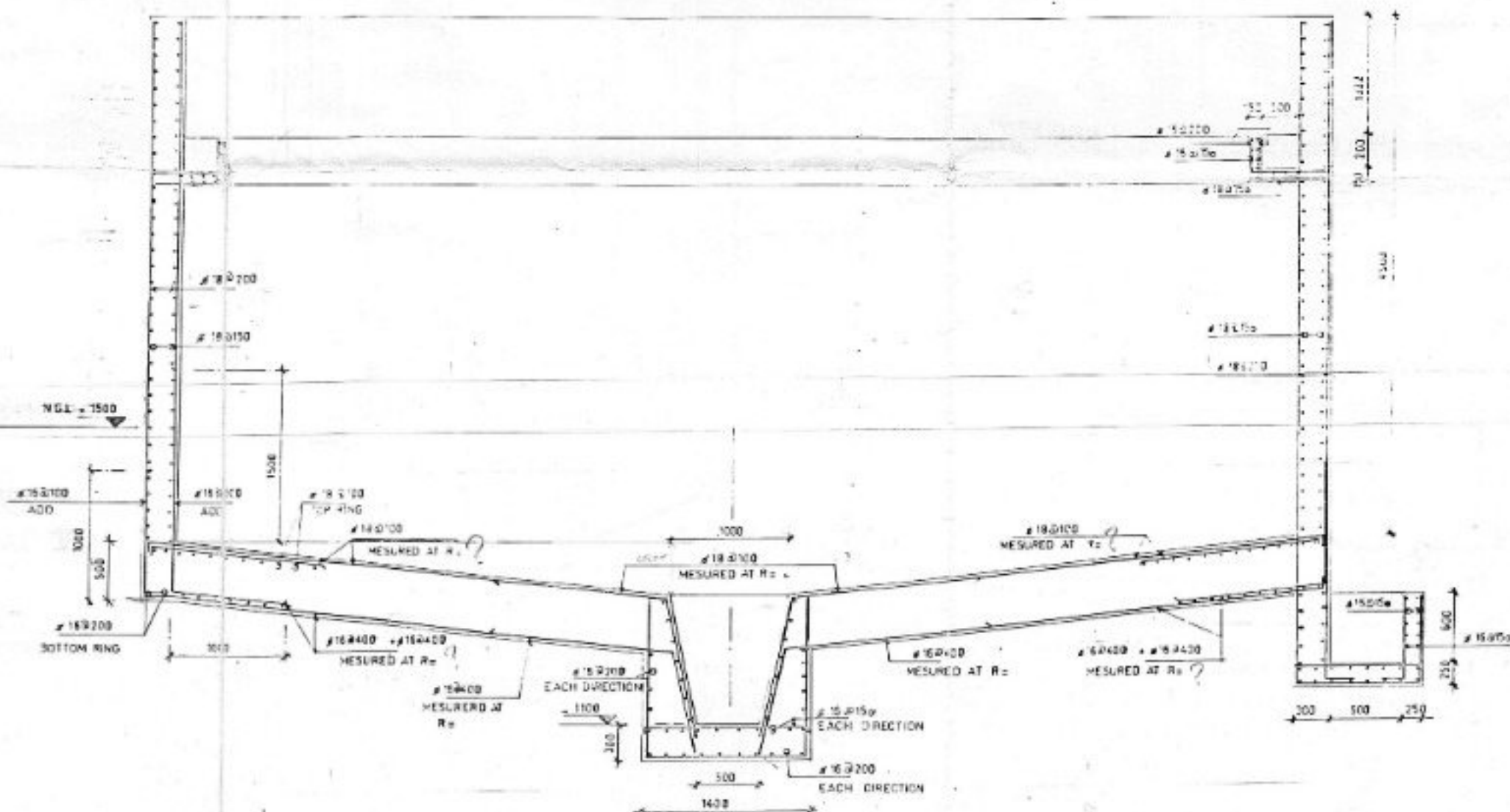


- 1 SCRAPER GEAR MOTOR 2.5 KW IP-54
2 THRUST BEARING
3 BALL BEARING
4 CARBON STEEL PIPE ϕ 200mm SCH 80
5 SCRAPER BLADE
6 SCRAPER ARM
7 STEELING WELL CARBON STEEL PIPE ϕ 100mm SCH 40
8 FLANGED COUPLING
9 WATER STOP
10 ZINC PIPE 300 FOR THE BRIDGE
11 HAND RAIL
12 LADDER

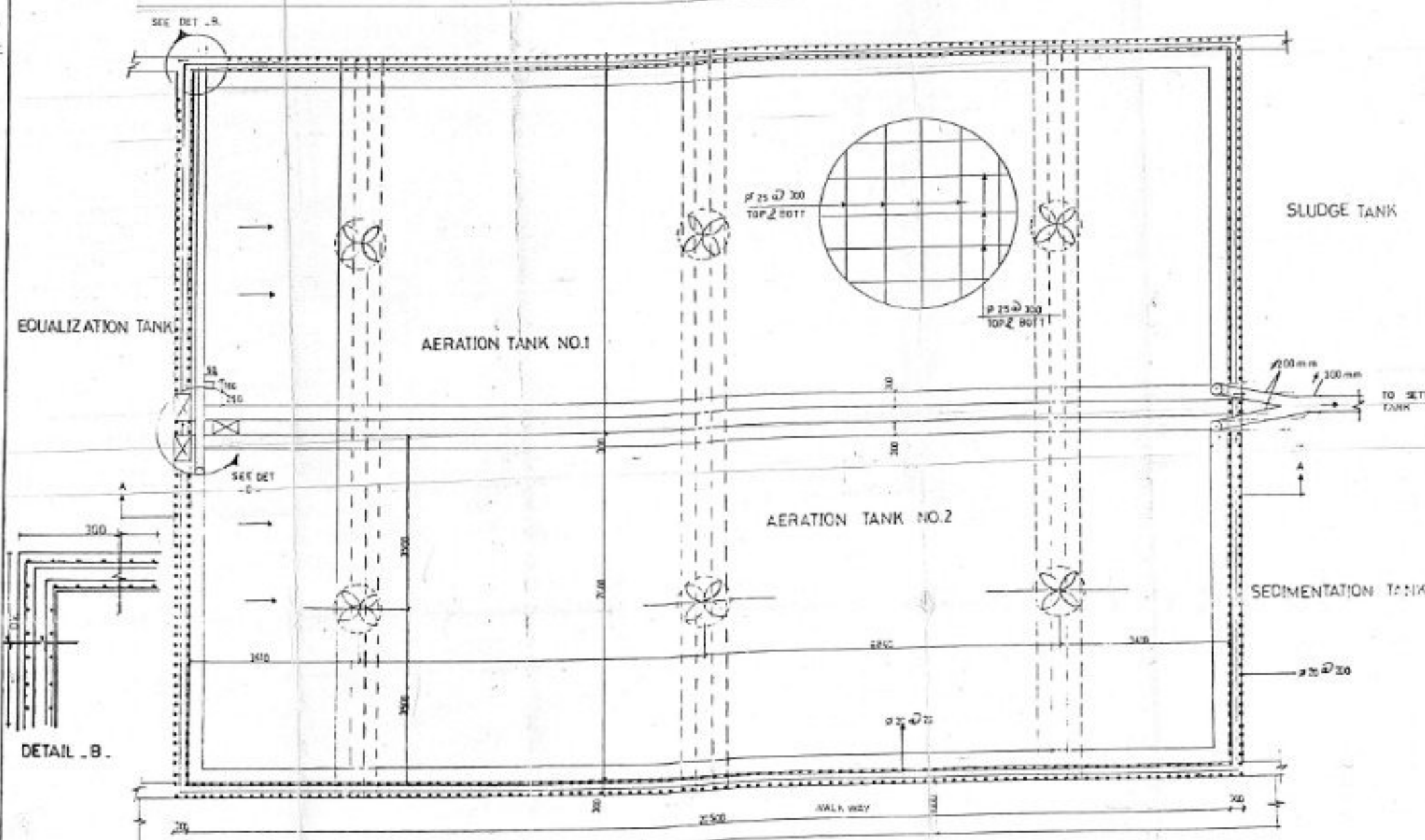


SECTION A-A
SCALE 1/25

JOB TITLE:	14/24 MOSUL HOSPITAL COMPLEX
DRAWING TITLE:	SEDIMENTATION TANK
Sheet No.	II SEW
SCALE:	MENTIONED (mm.)
DATE:	1999 oct. 31



Job Title:	18/24 MOSUL HOSPITAL COMPLEX
Drawing Title:	SEDIMENTATION TANK
Sheet NO.	3 ST
Scale:	1/25 (mm)
Date:	1999 oct.31

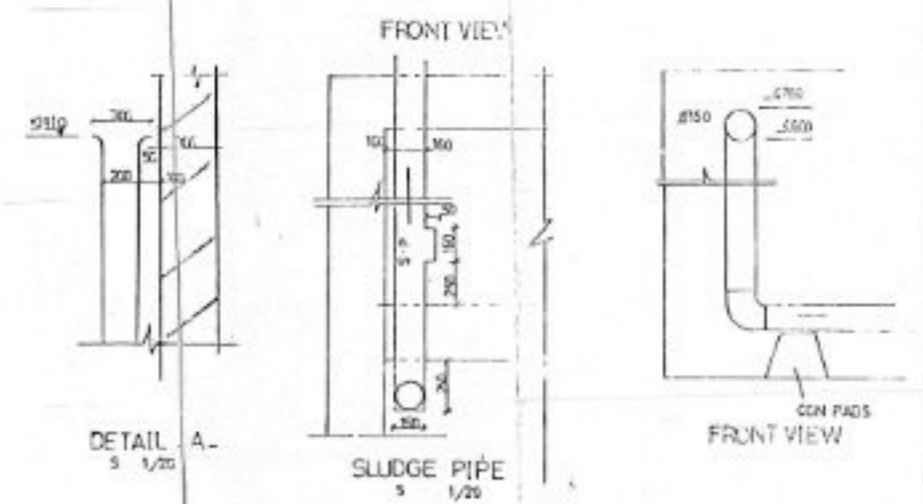


DETAIL .B.
S 1/20

AERATION TANK
S 1/20

SLUDGE TANK
S 1/20

SEDIMENTATION TANK
S 1/20

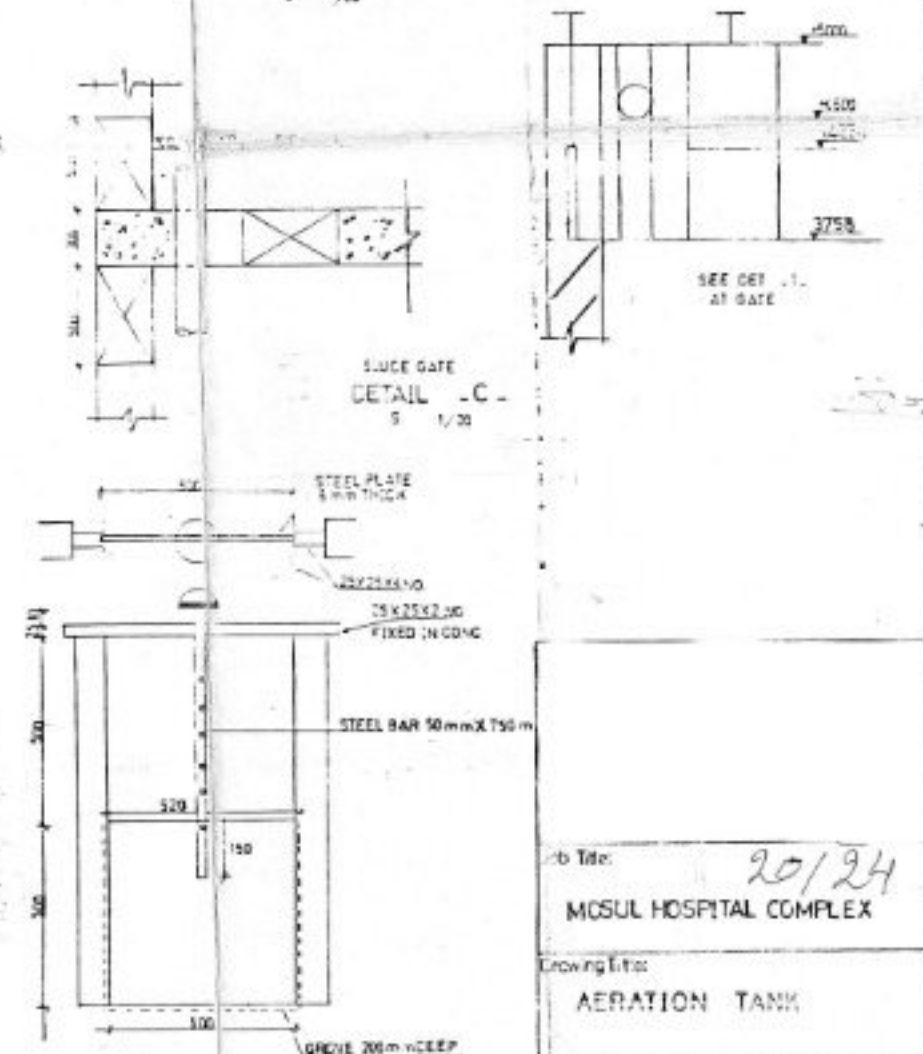


DETAIL .A.
S 1/20

SLUDGE PIPE
S 1/20

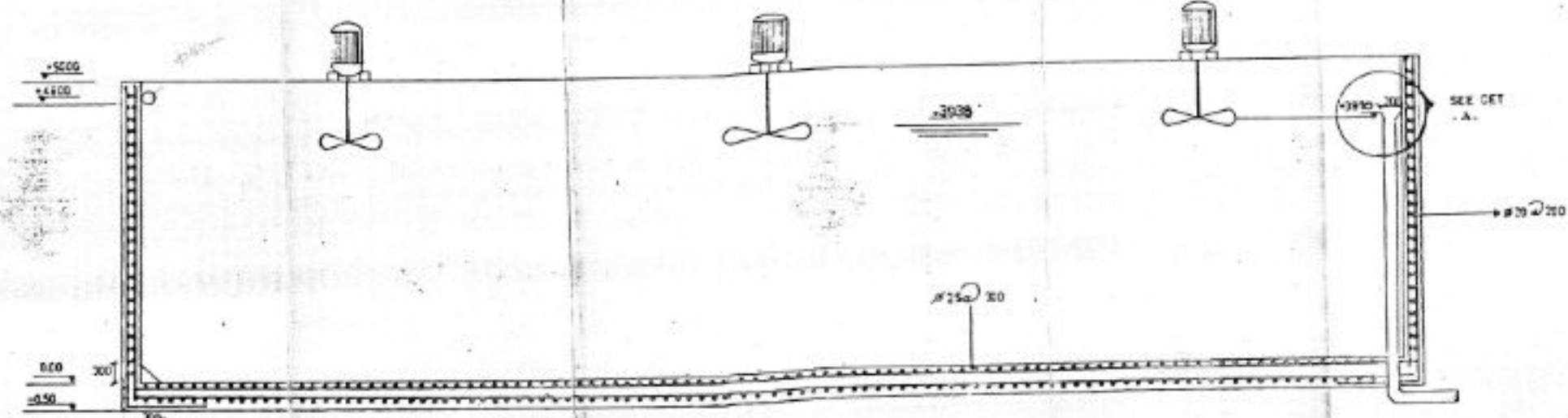
DETAIL .B.
S 1/20

SLUDGE GATE
DETAIL .C.
S 1/20

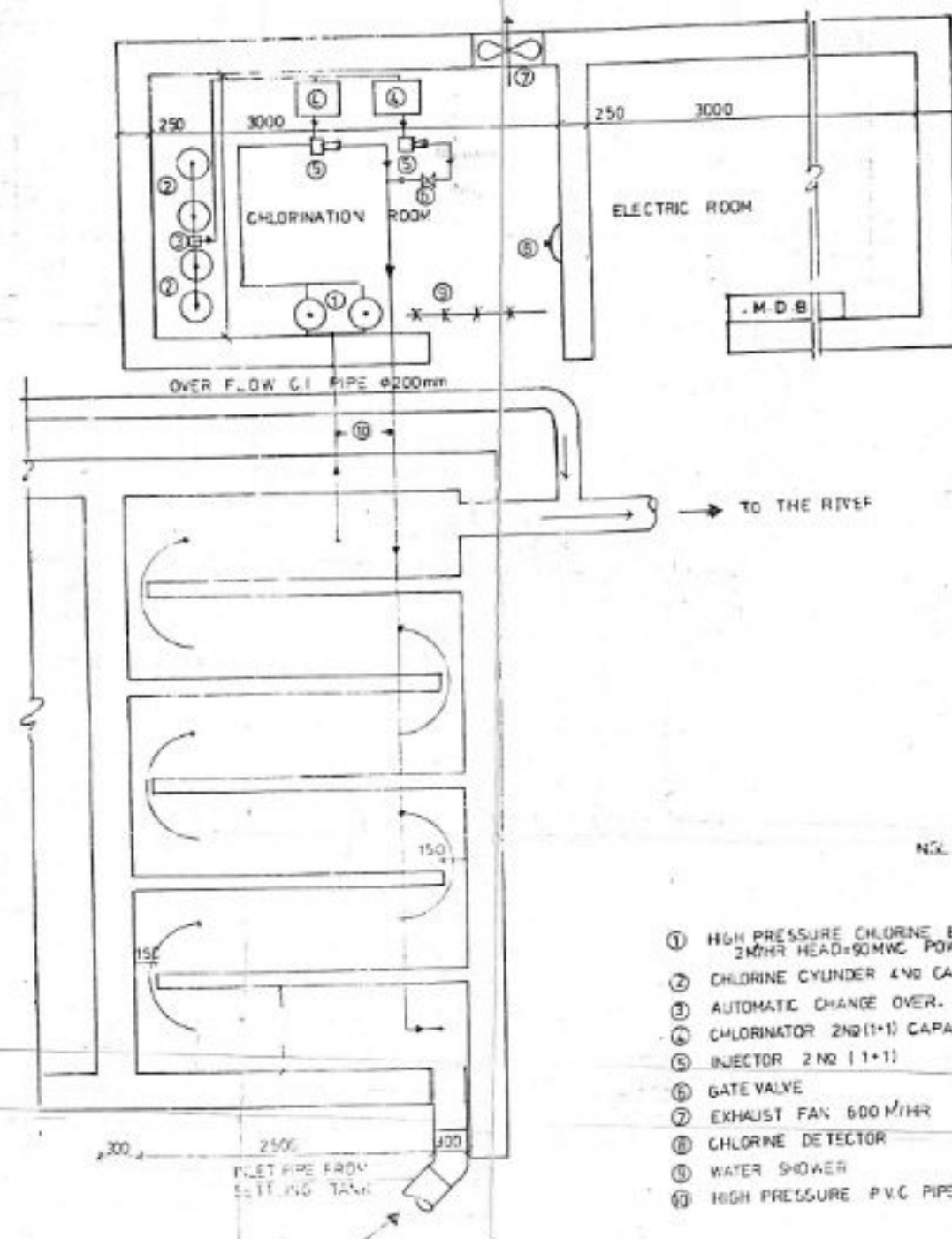


DETAIL .A.
S 1/20

Job Title:	20/24
Project Name:	MOSUL HOSPITAL COMPLEX
Drawing Title:	AERATION TANK
Sheet NO:	5 ST
Scale:	Mentioned (mm.)
Date:	1999 Oct.31

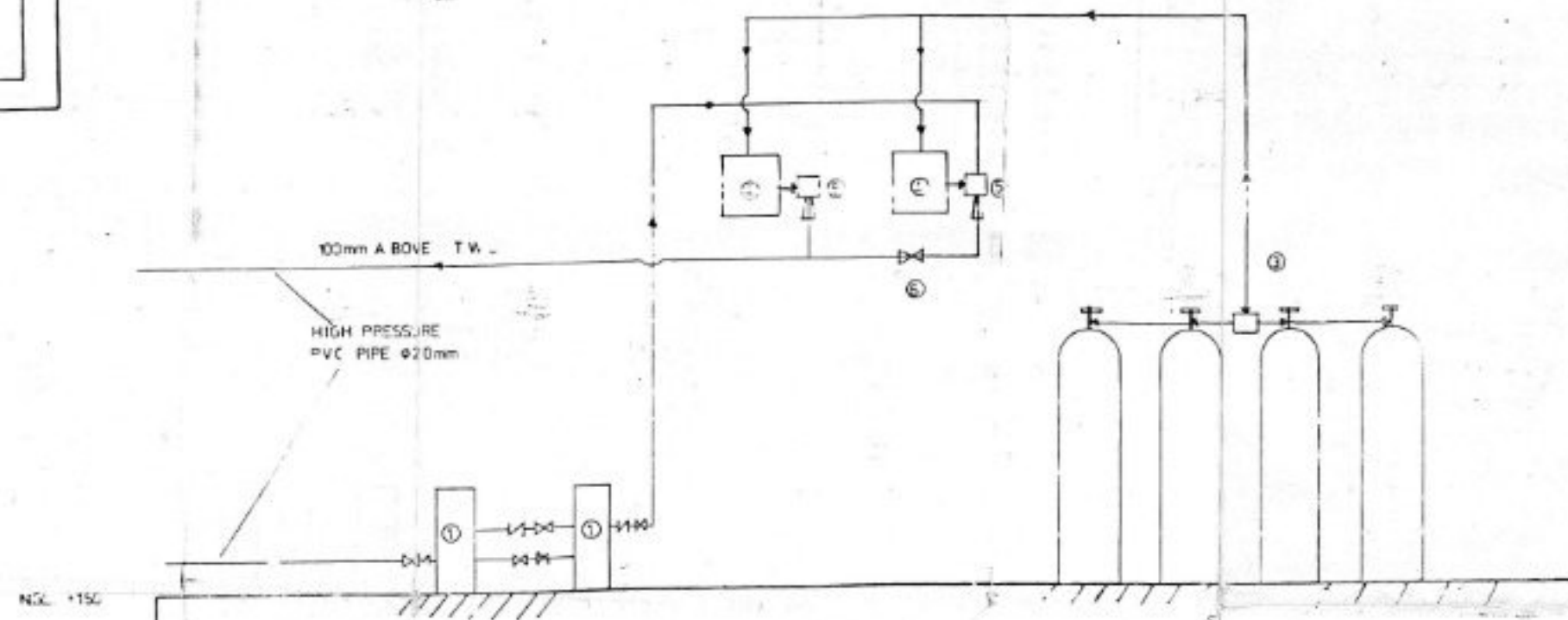


SEC A-A
S 1/20



- ① HIGH PRESSURE CHLORINE BOOSTER PUMP 2NØ(1+1) CAP 2M³/HR HEAD=90MWC POWER = 2.2KW.
- ② CHLORINE CYLINDER 4NØ CAPACITY 65 LIT^{ER}.
- ③ AUTOMATIC CHANGE OVER.
- ④ CHLORINATOR 2NØ(1+1) CAPACITY 0.45-0.6 KG/HR.
- ⑤ INJECTOR 2NØ (1+1)
- ⑥ GATE VALVE
- ⑦ EXHAUST FAN 600 M³/HR
- ⑧ CHLORINE DETECTOR
- ⑨ WATER SHOWER
- ⑩ HIGH PRESSURE P.V.C PIPE

CHECK VALVE
 FLEXIBLE JOINT
 GATE VALVE



Job Title: 24/24

MOSUL HOSPITAL COMPLEX

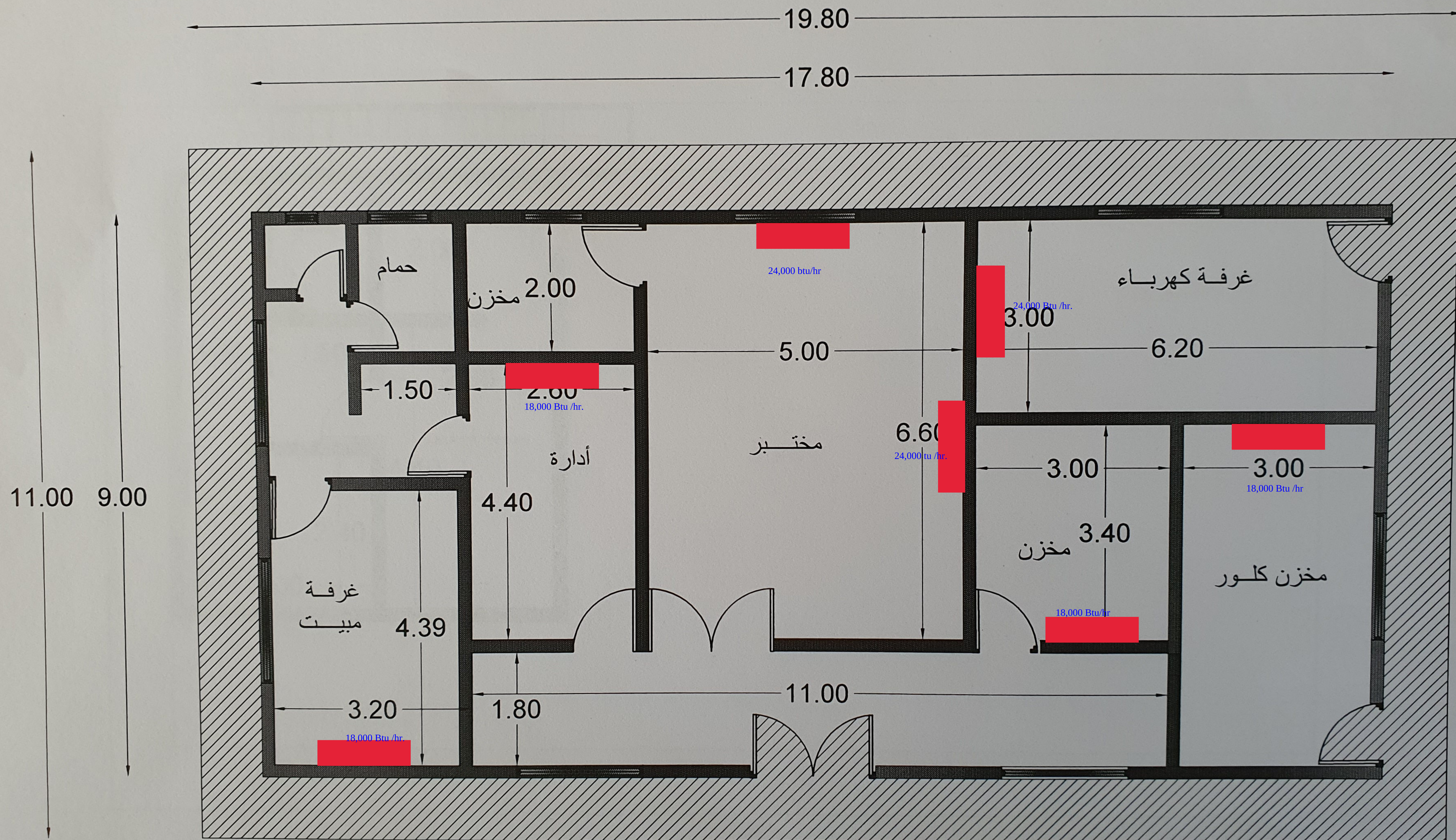
Drawing Title:

CHLORINE WIRING

Sheet NO. ELEC 3

Scale: 1/25 (mm.)

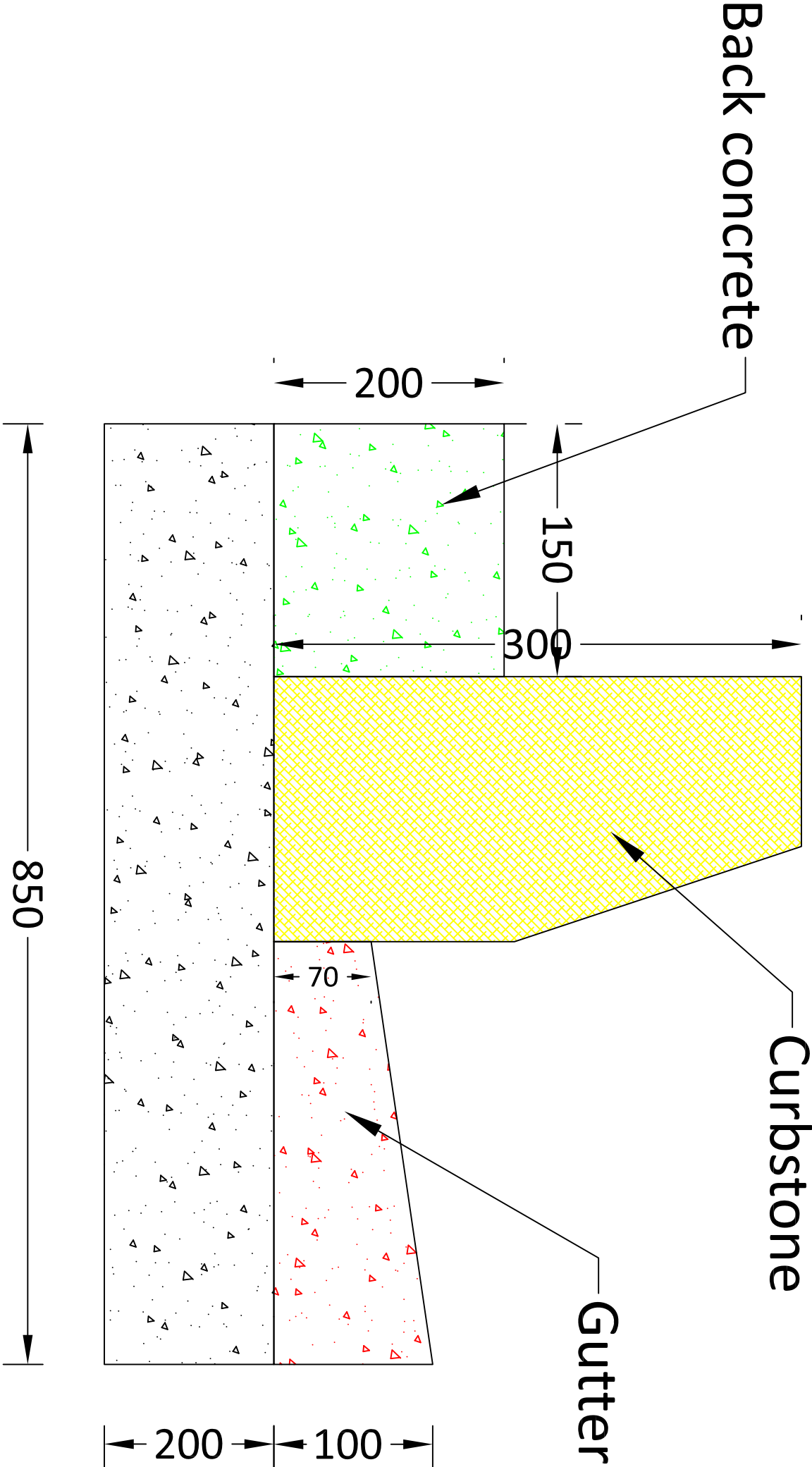
Date: 1999 oct. 31



مخطط ادارة ومختبر محطة التصفية



غرفة الحارس .. مخطط الطابق الأول

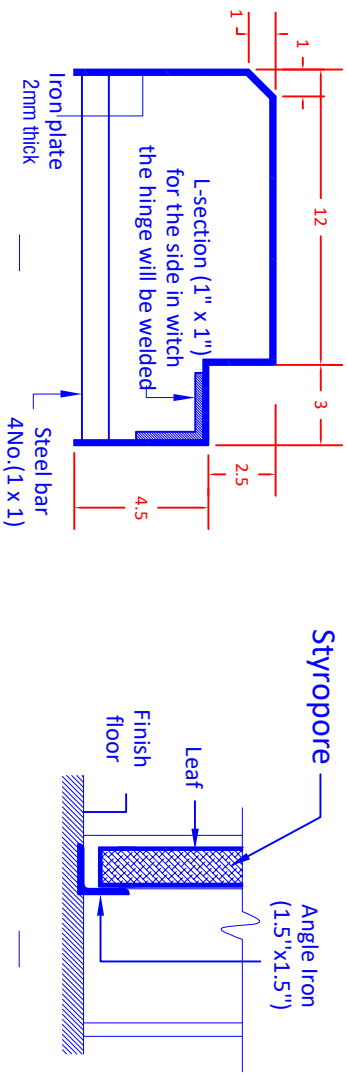
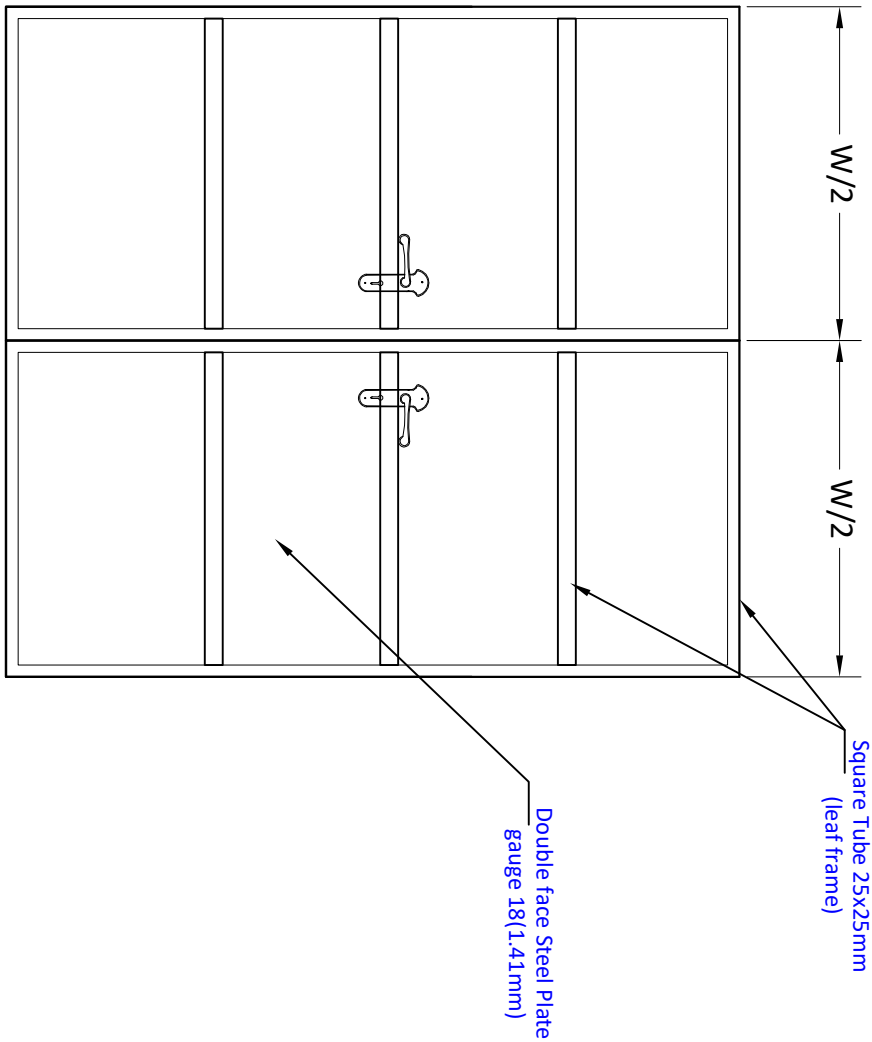
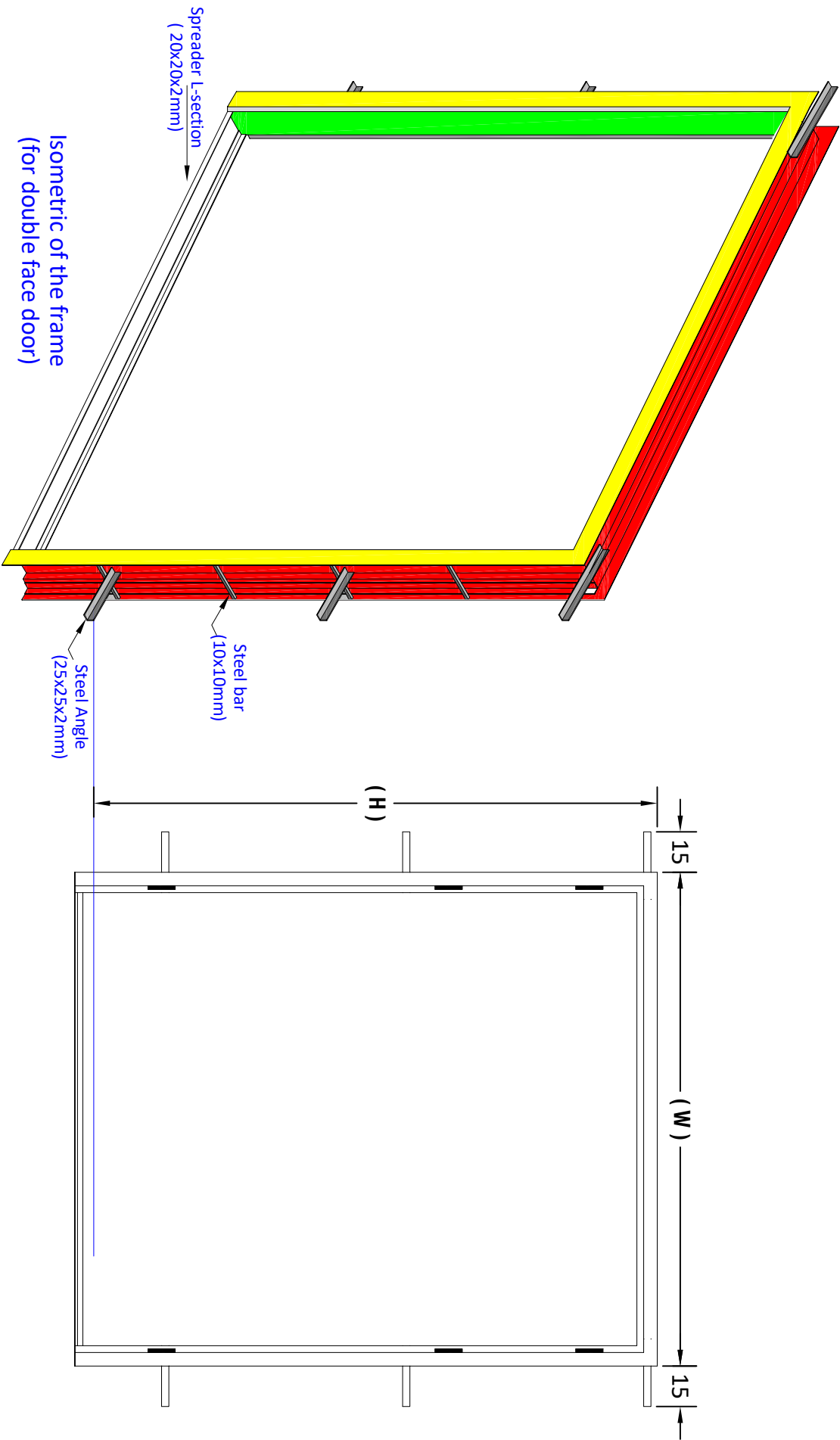


Typical Drawings for Renovation

Drawn by: Soran Rostam Aziz

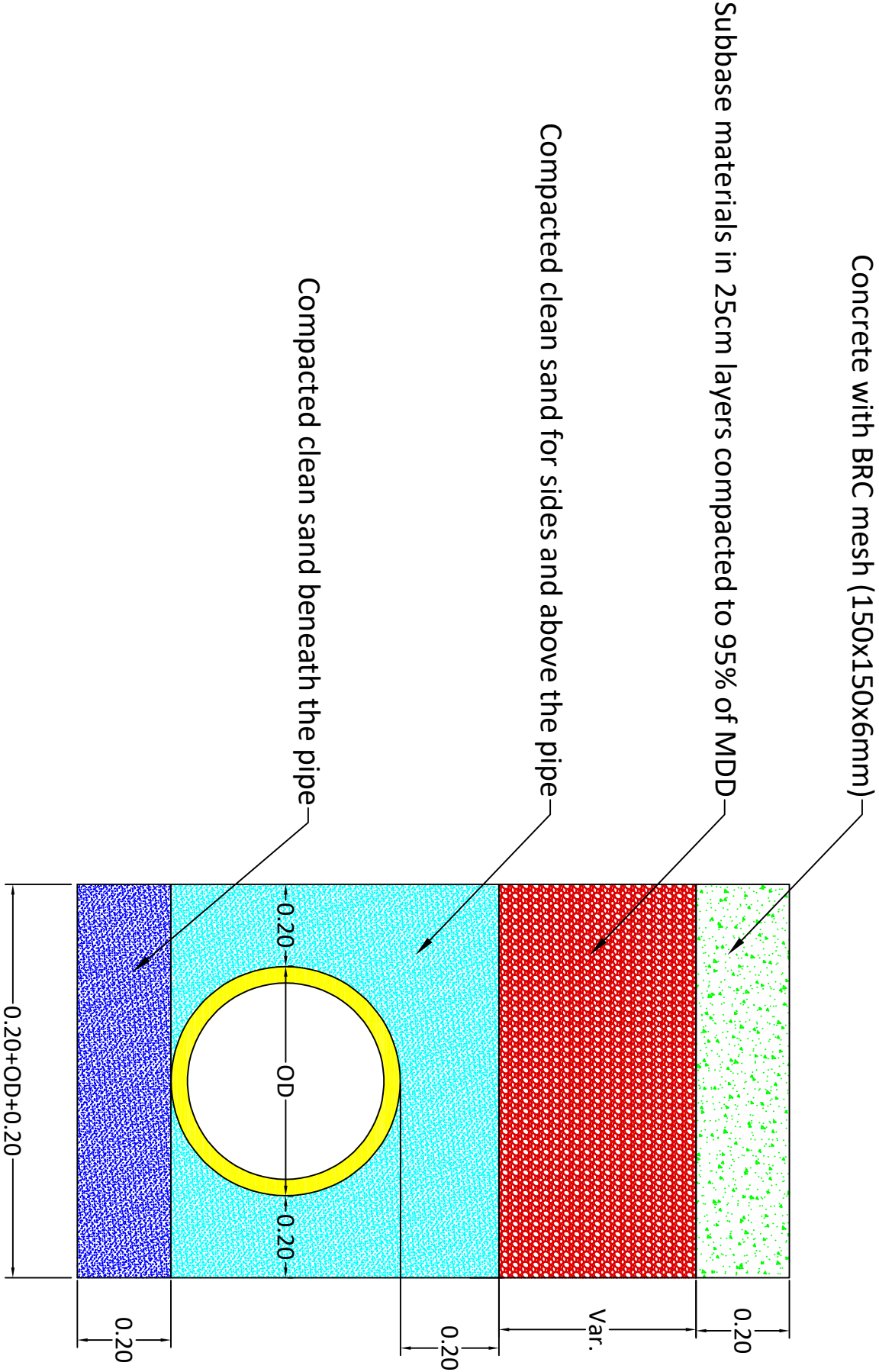
Sheet Title:
Detail of Curbstone

Scale: NTS	Date:	DWG No.
------------	-------	---------



Detail of Steel Door

Typical Drawings for Renovation		
Drawn by: Soran Rostam Aziz		
Sheet Title: Detail of Double Leaves Steel Door		
Scale: NTS	Date:	DWG No.



Detail of Excavation and backfilling

Typical Drawings for Renovation

Drawn by: Soran Rostam Aziz

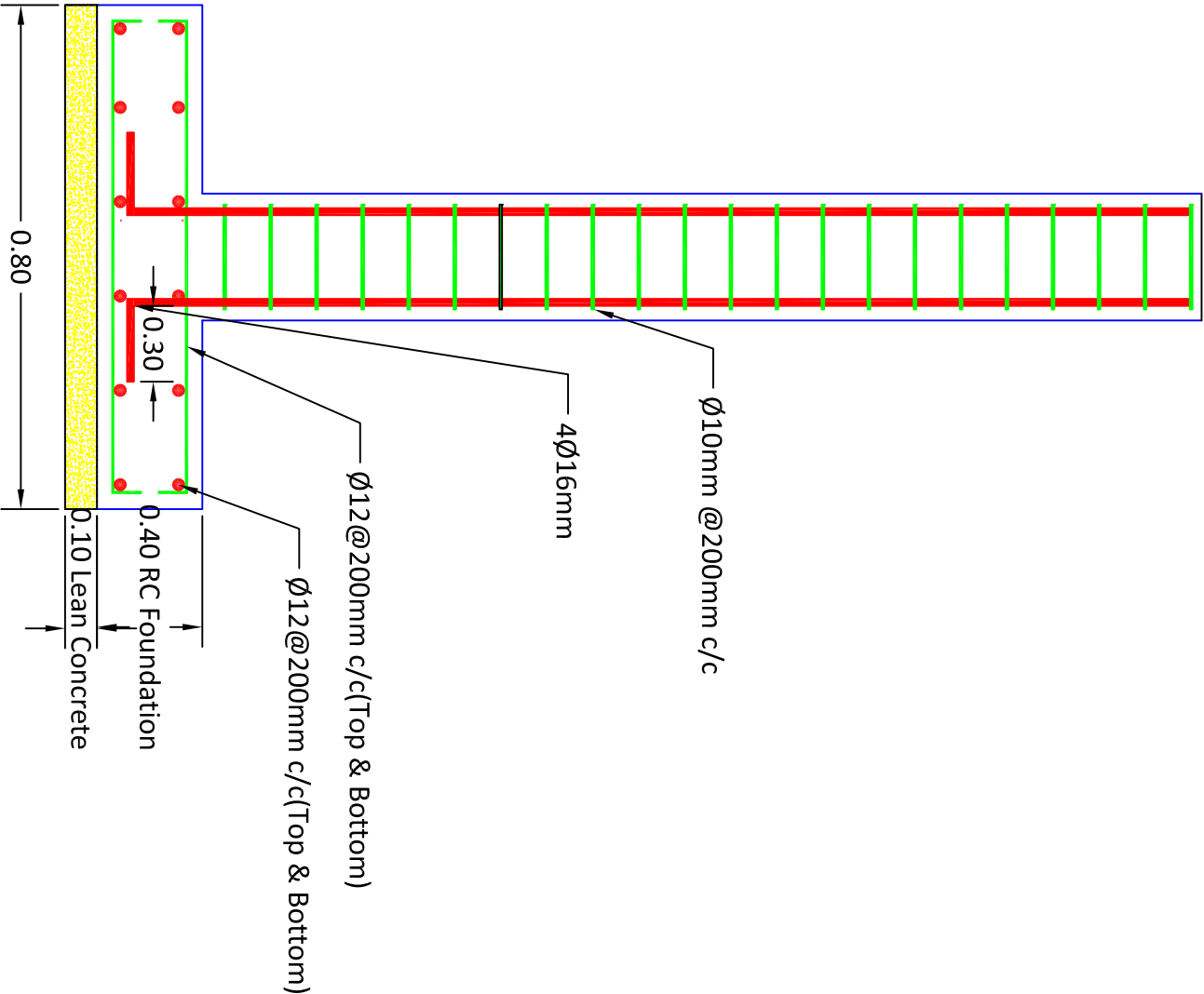
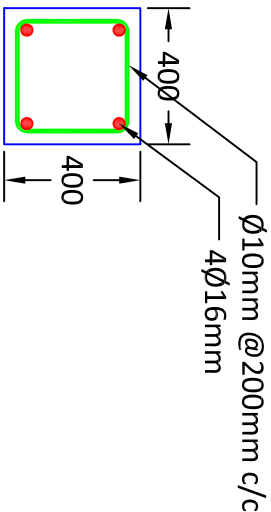
Sheet Title:

Detail of Excavation and Backfilling

Scale: NTS

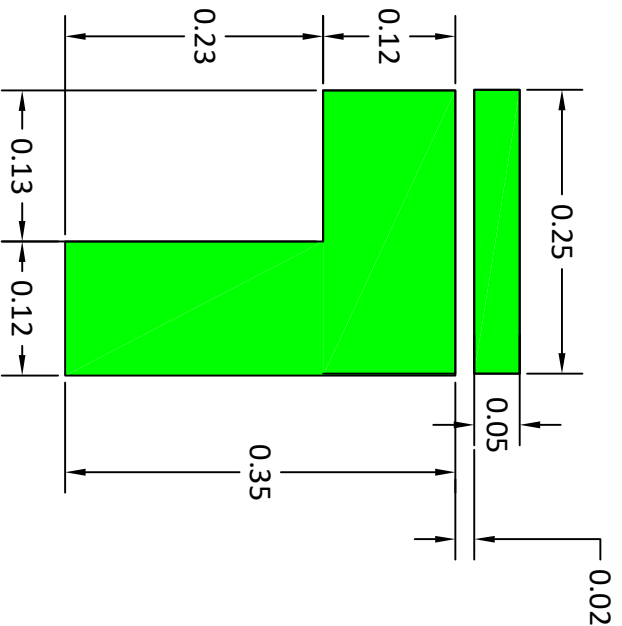
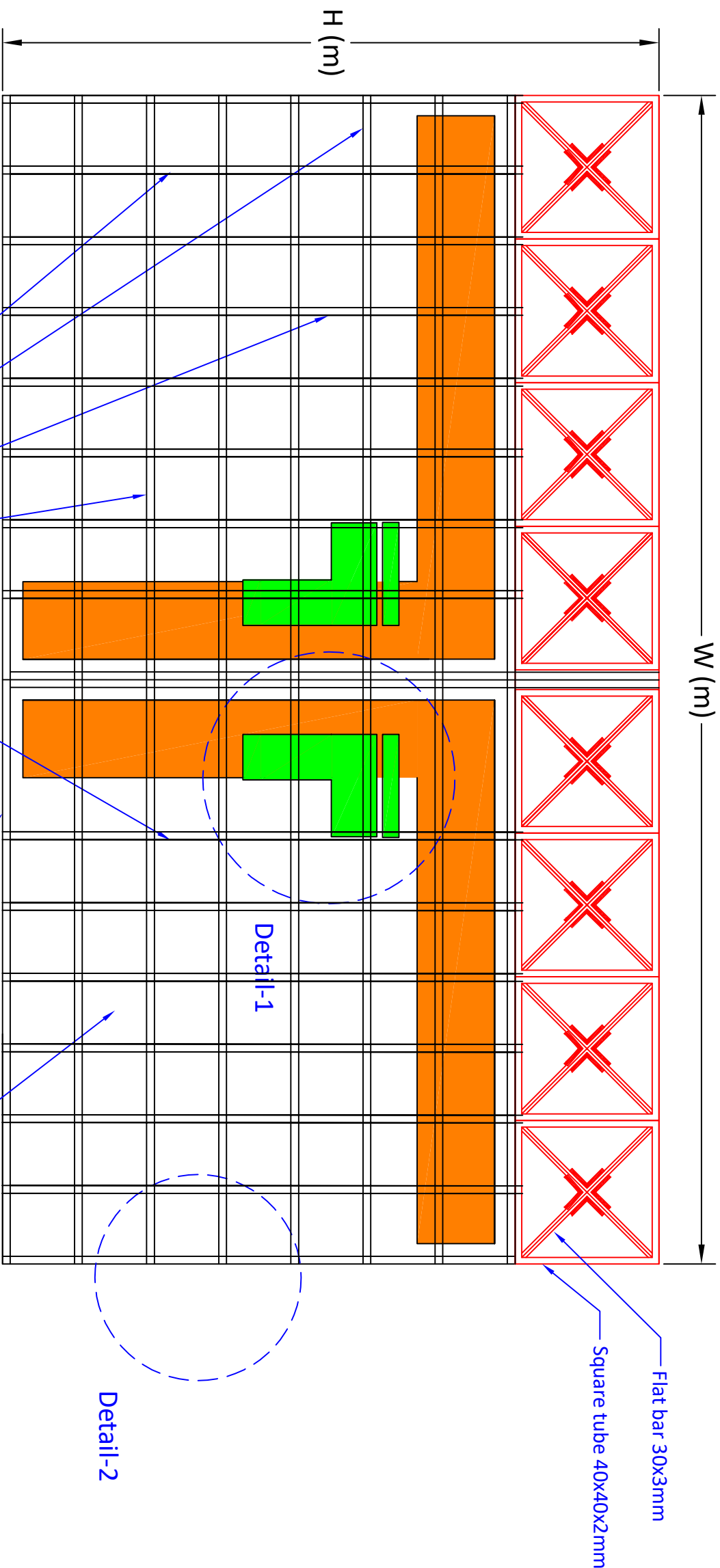
Date:

DWG No.

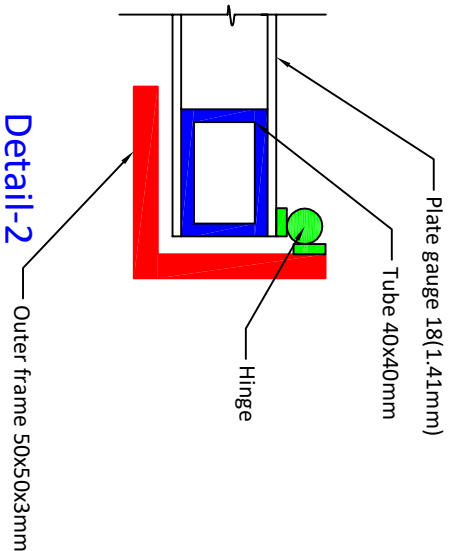


Foundation and Column for Main Gate

Typical Drawings for Renovation		
Drawn by: Soran Rostam Aziz		
Sheet Title:		
Main Gate Column and Footing		
Scale: NTS	Date:	DWG No.



Detail-1



Detail-2

Detail of the Main Gate

Square Steel Tube 40x40mm (Sub dividers) @ 50cm c/c (both horizontal and vertical)

Square Steel Tube 40x40mm(Main Frame)

Plate gage 18(1.41mm) Double Faces

Detail-2

Detail-1

Typical Drawings for Renovation

Drawn by: Soran Rostam Aziz

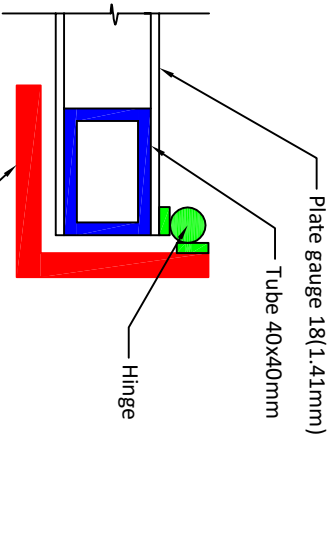
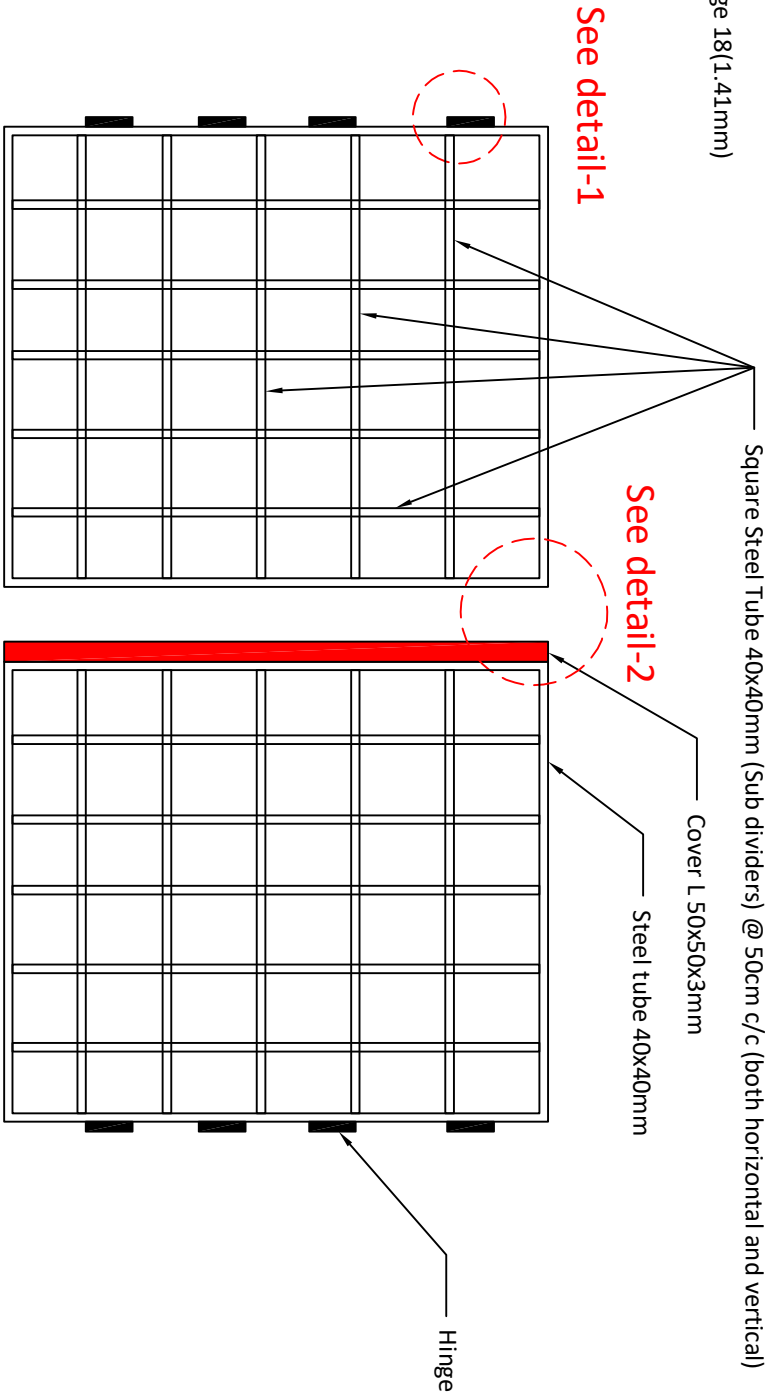
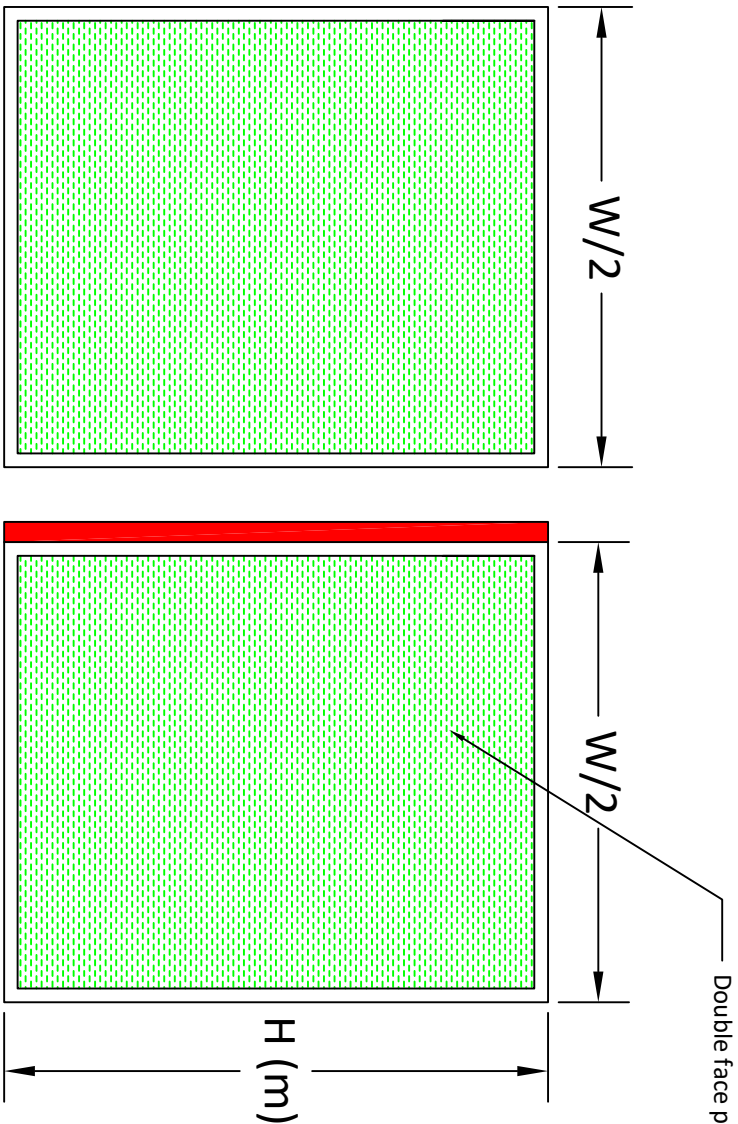
Sheet Title:

Detail of Main Gate

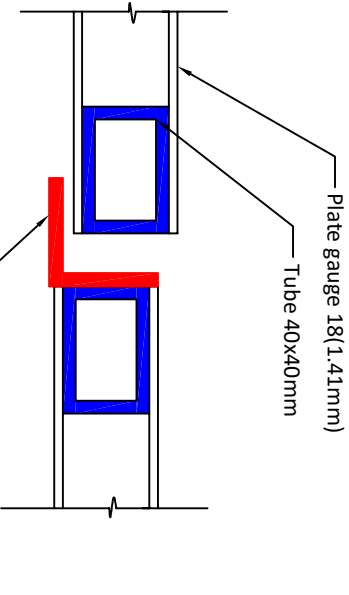
Scale: NTS

Date:

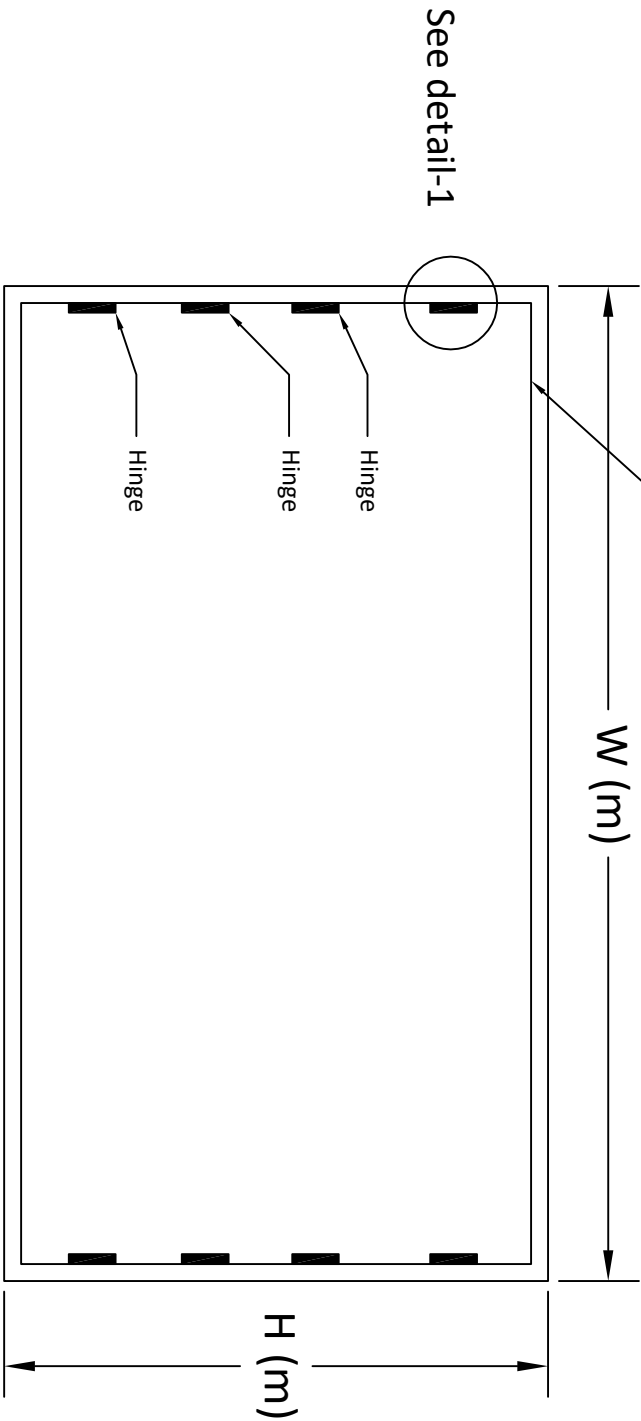
DWG No.



Detail-1



Detail-2



Typical Drawings for Renovation

Drawn by: Soran Rostam Aziz

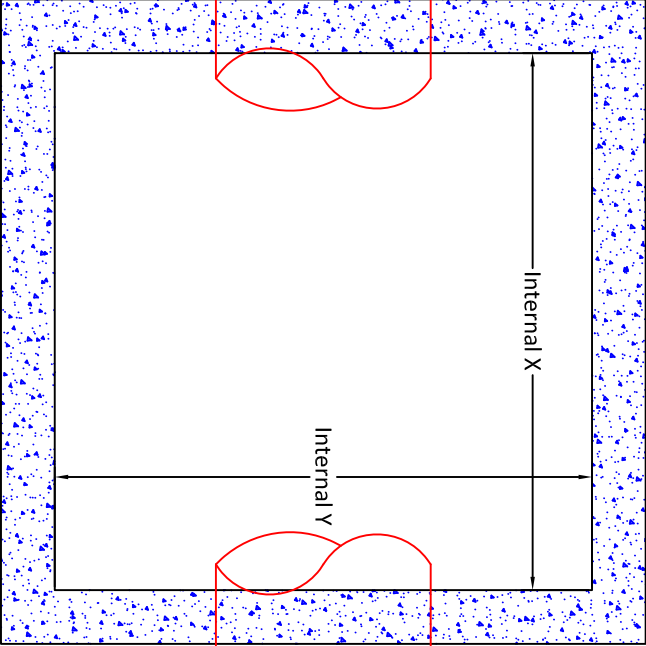
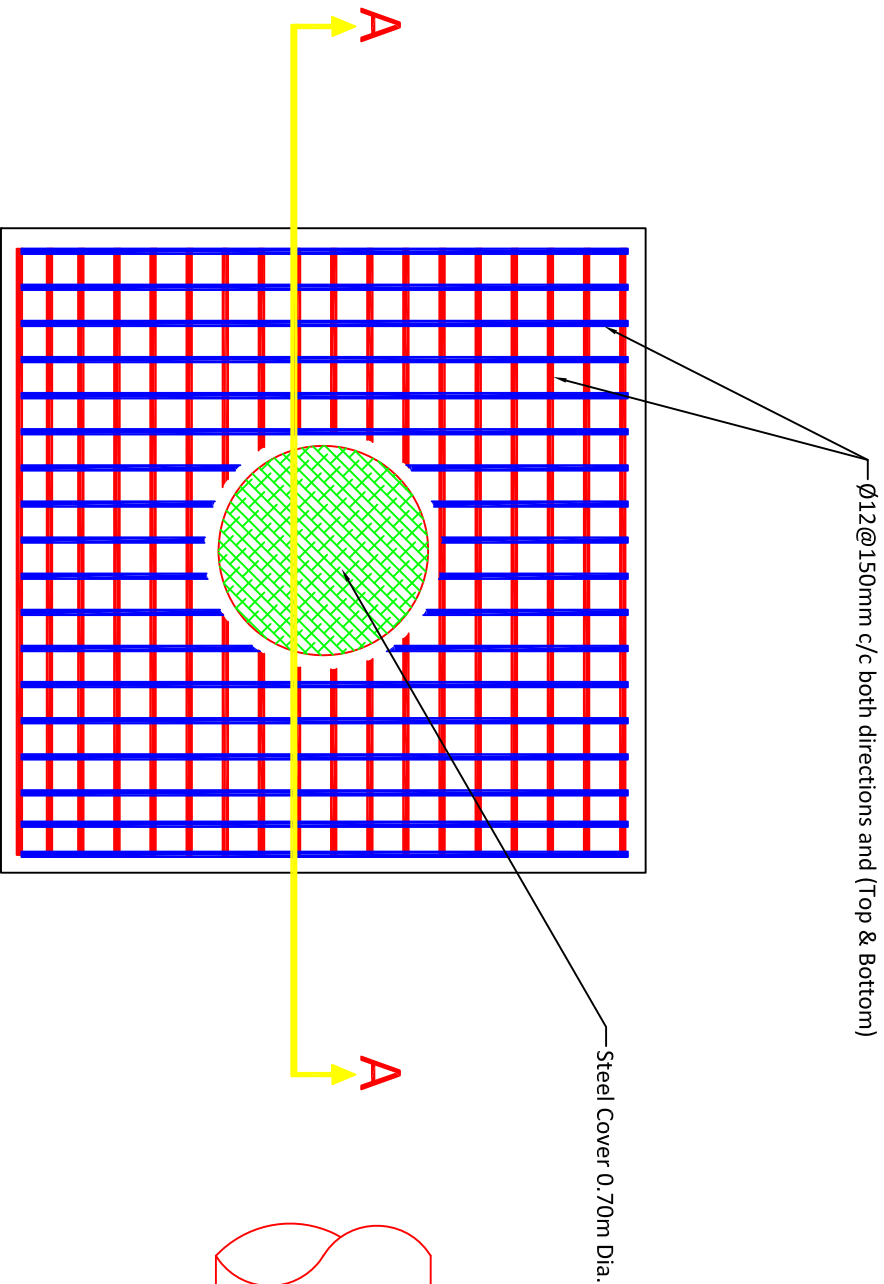
Sheet Title:

Detail of Main Gate

Scale: NTS

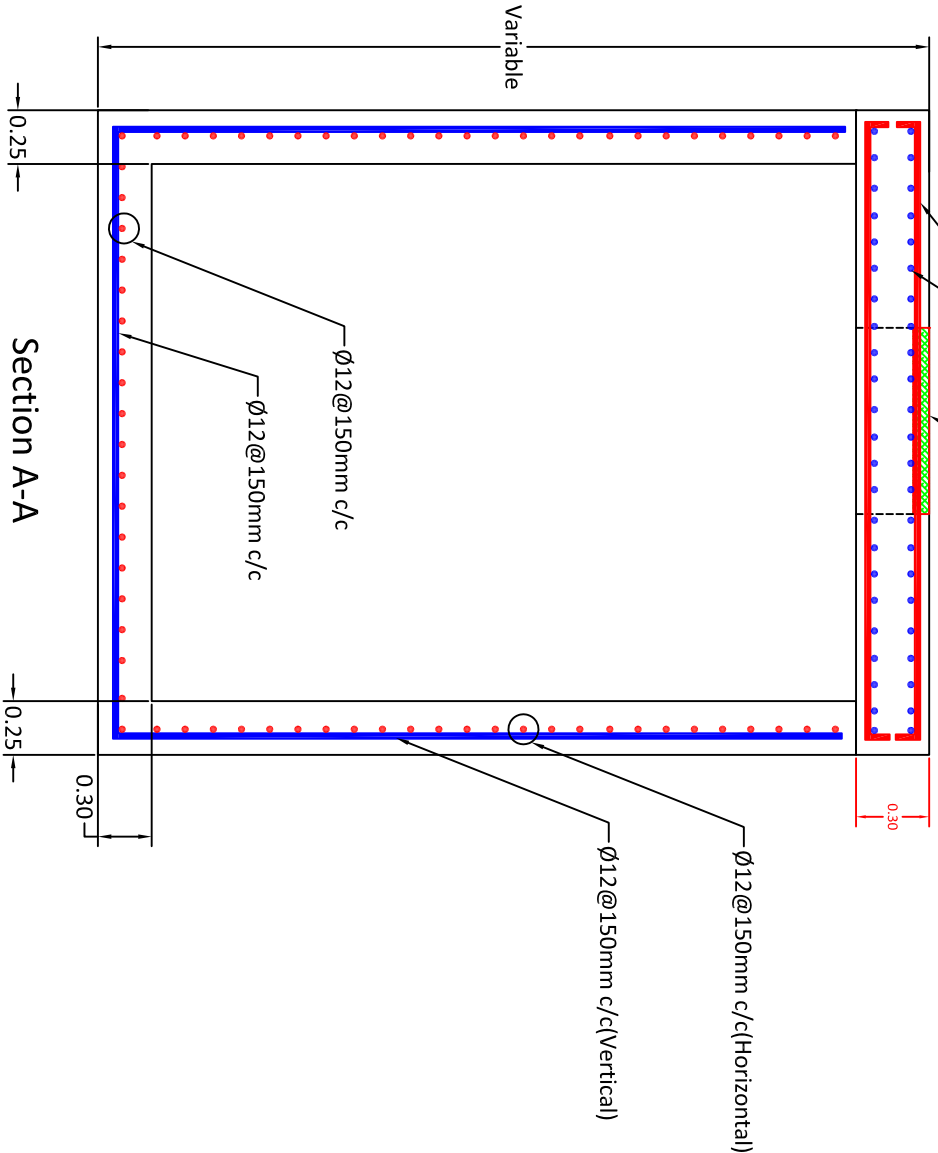
Date:

DWG No.

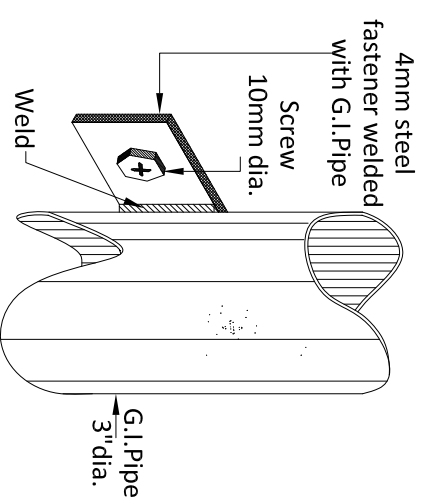
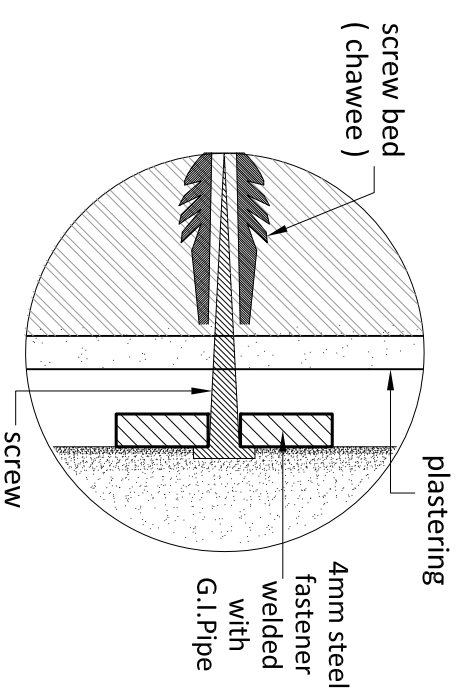
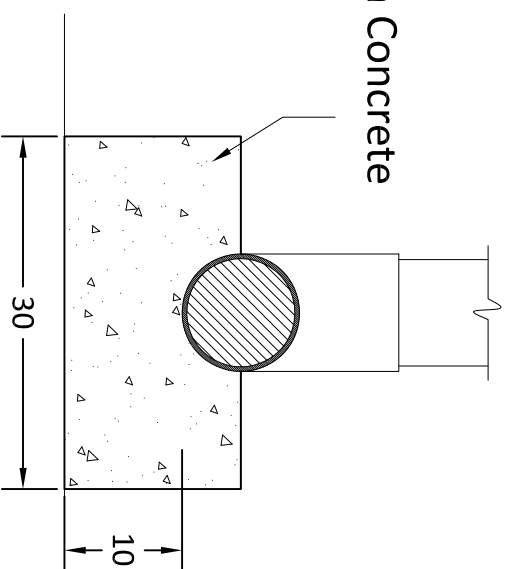
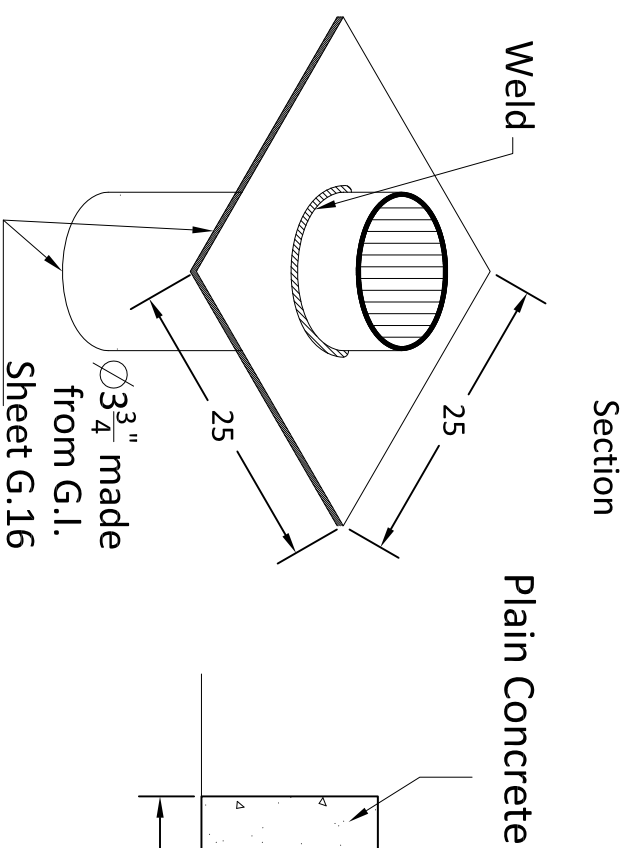
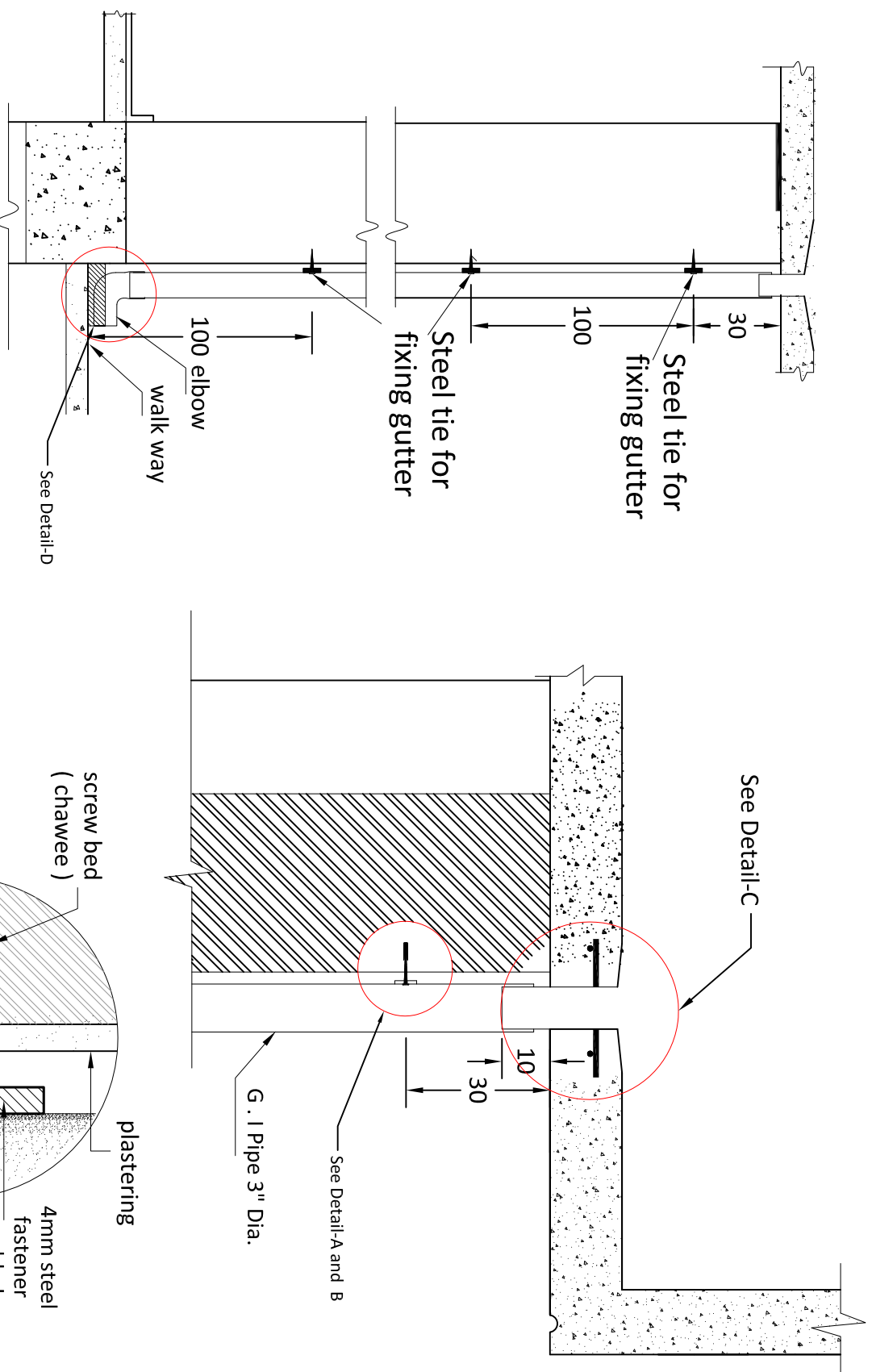


Detail of the Slab

Plan of the Manhole



Typical Drawings for Renovation		
Drawn by: Soran Rostam Aziz		
Sheet Title:		
Detail of the manhole		
Scale: NTS	Date:	DWG No.



Detail-C

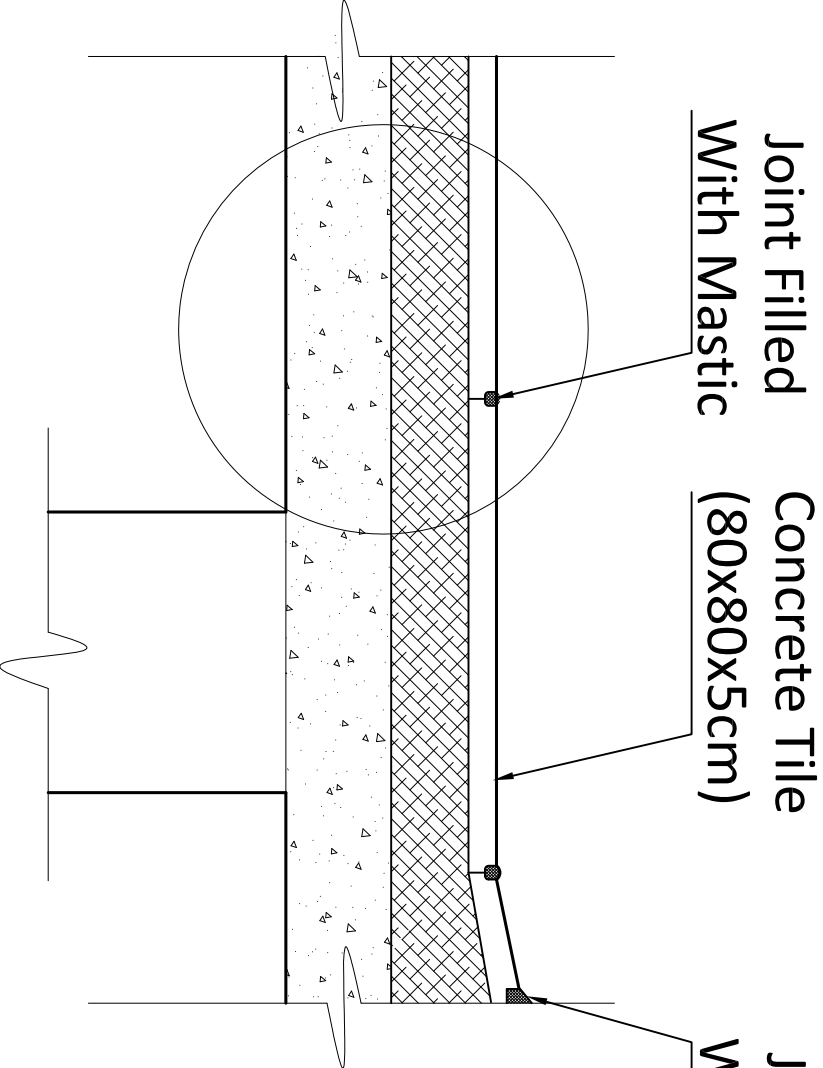
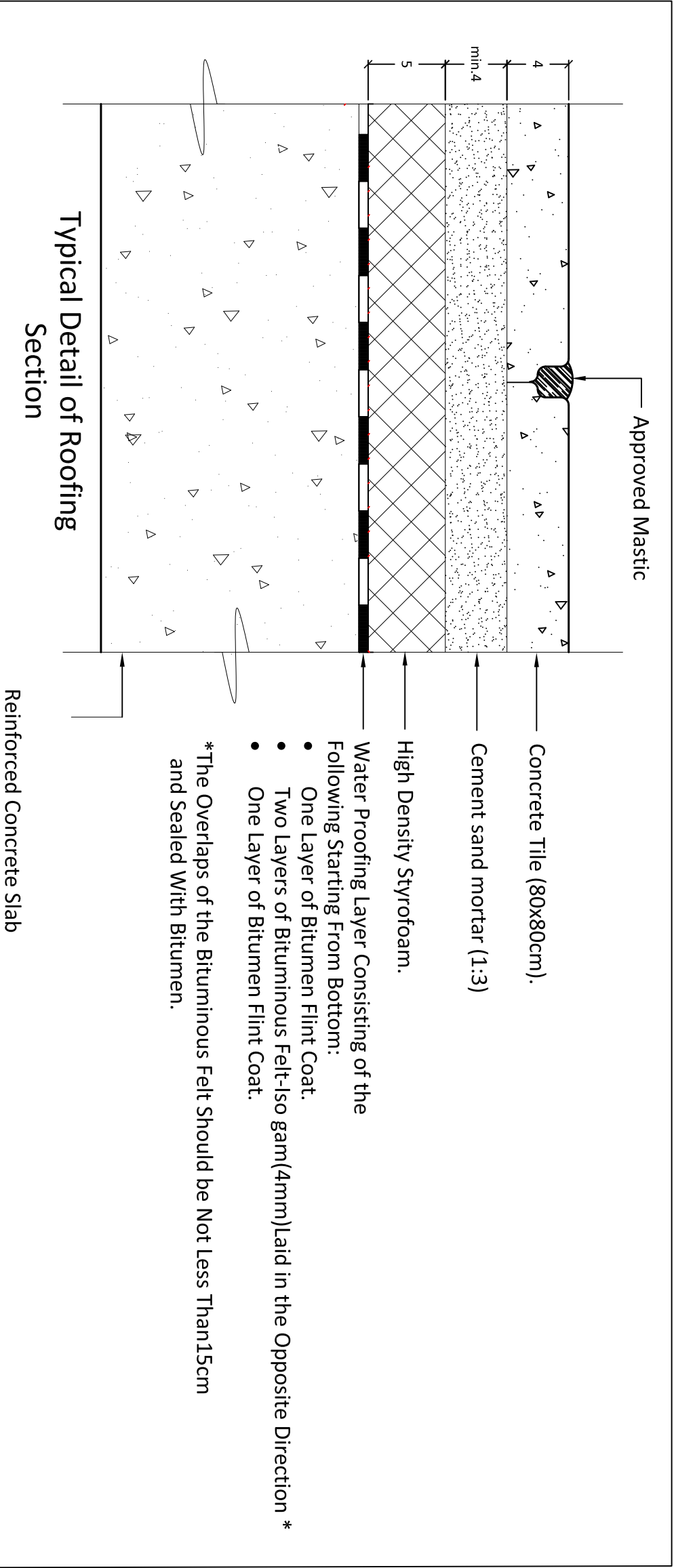
Detail-D

Detail-A

Detail-B

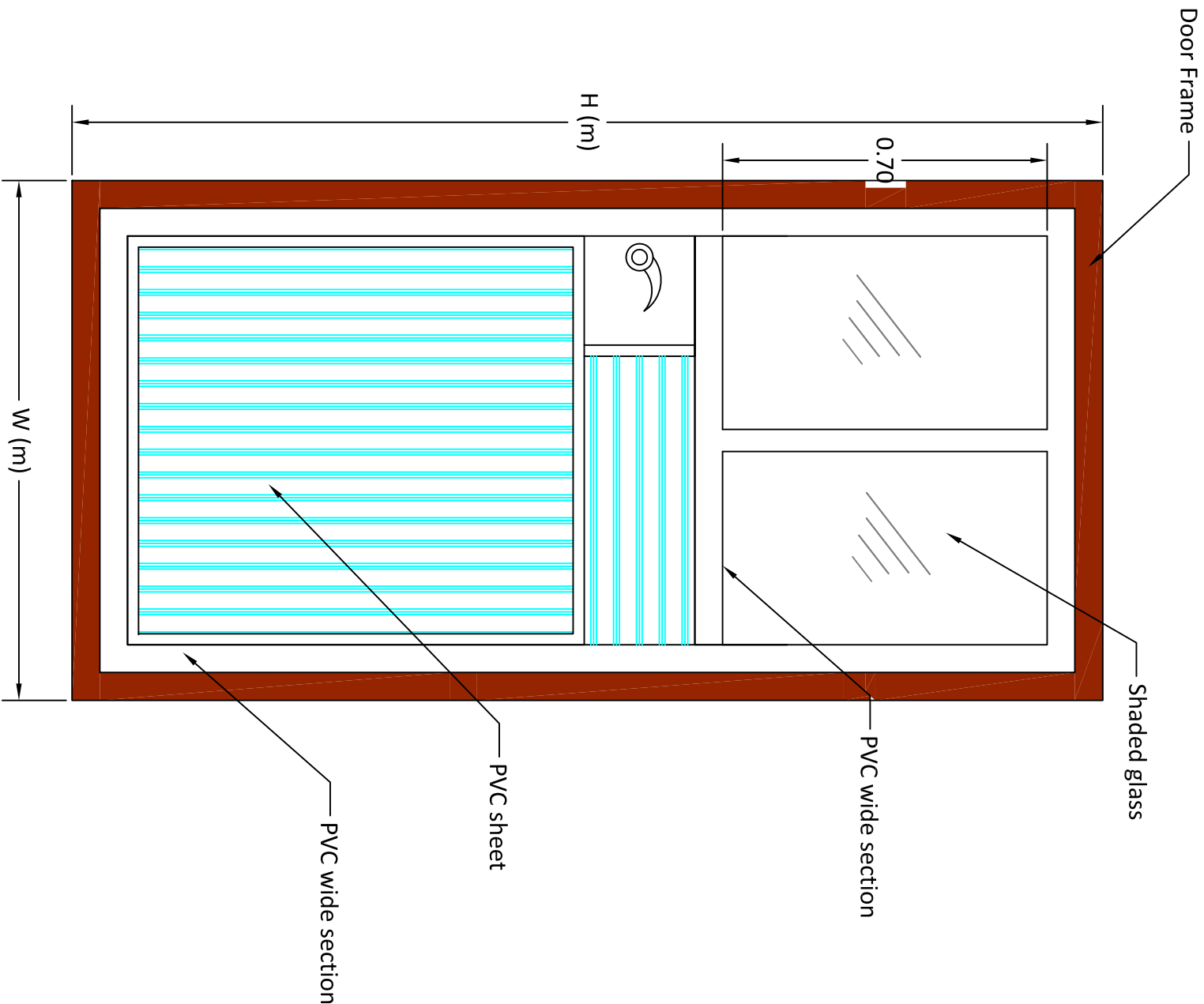
Detail of Roof Drain

Typical Drawings for Renovation		
Drawn by: Soran Rostam Aziz		
Sheet Title: Detail of Roof Drain		
Scale: NTS	Date:	DWG No.



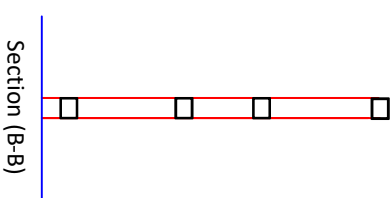
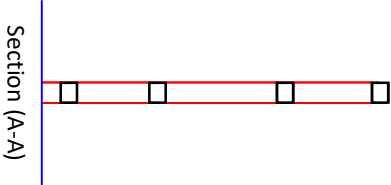
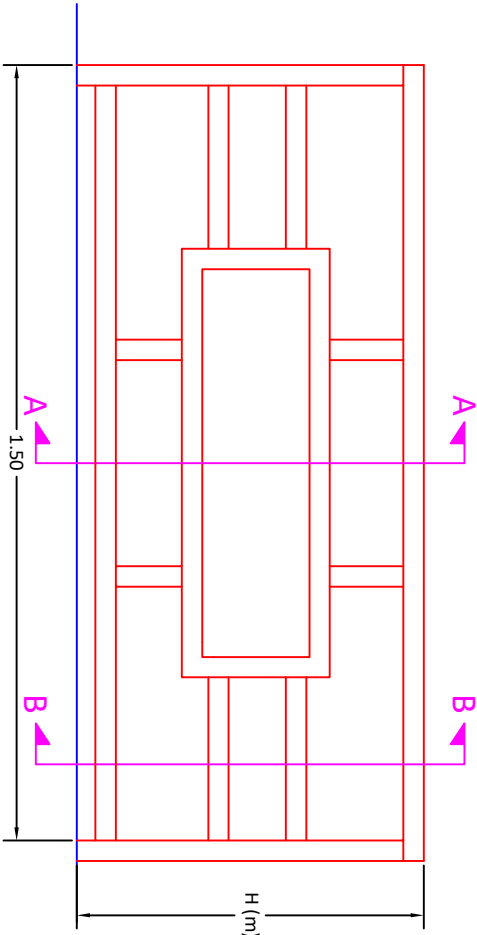
Detail of Roofing System

Typical Drawings for Renovation		
Drawn by: Soran Rostam Aziz		
Sheet Title:		
Detail of Roofing System		
Scale: NTS	Date:	DWG No.

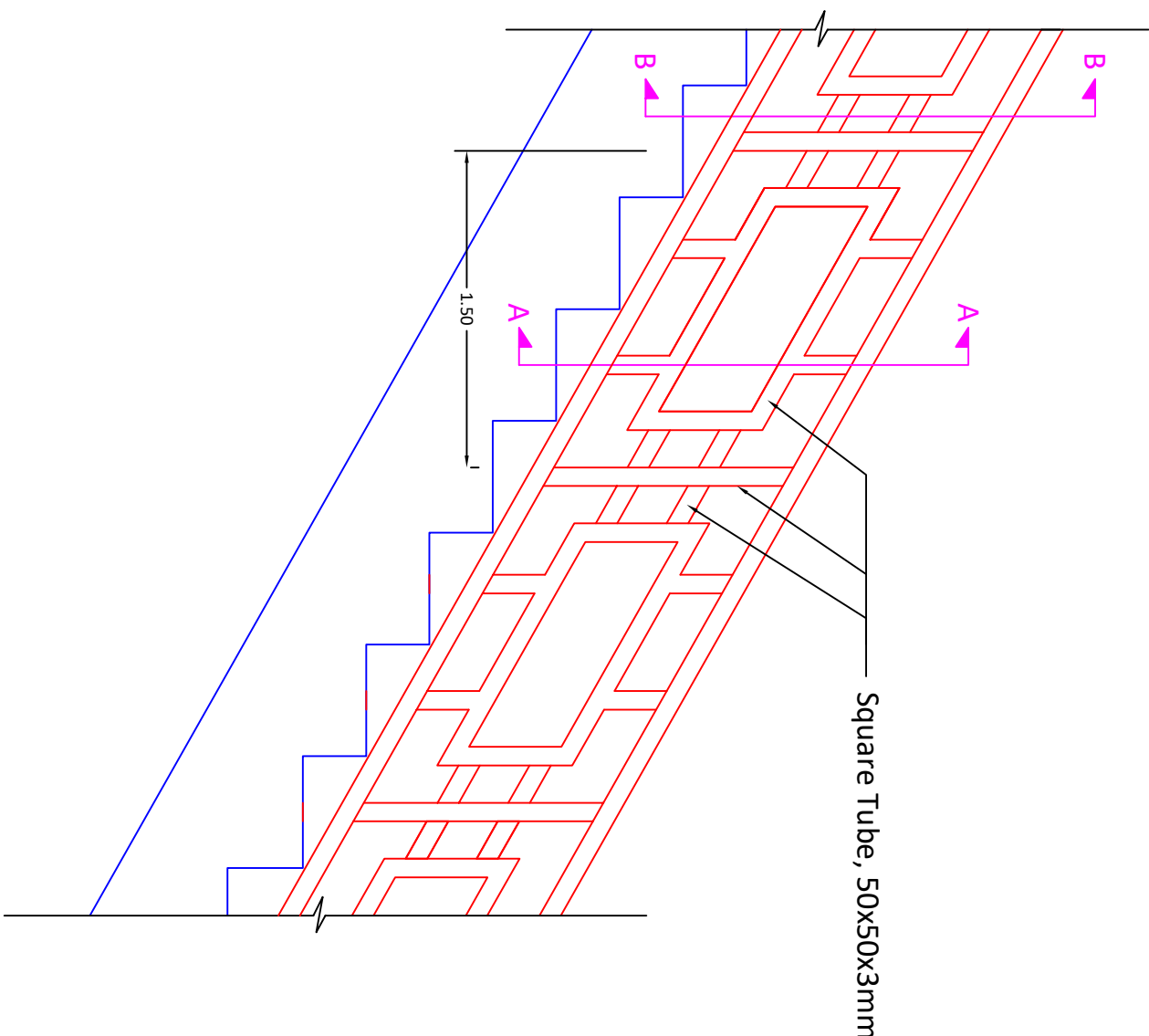


Detail of PVC Doors

Typical Drawings for Renovation		
Drawn by: Soran Rostam Aziz		
Sheet Title:		
Detail of Single PVC Doors		
Scale: NTS	Date:	DWG No.



Detail of the Handrail



Typical Drawings for Renovation

Drawn by: Soran Rostam Aziz

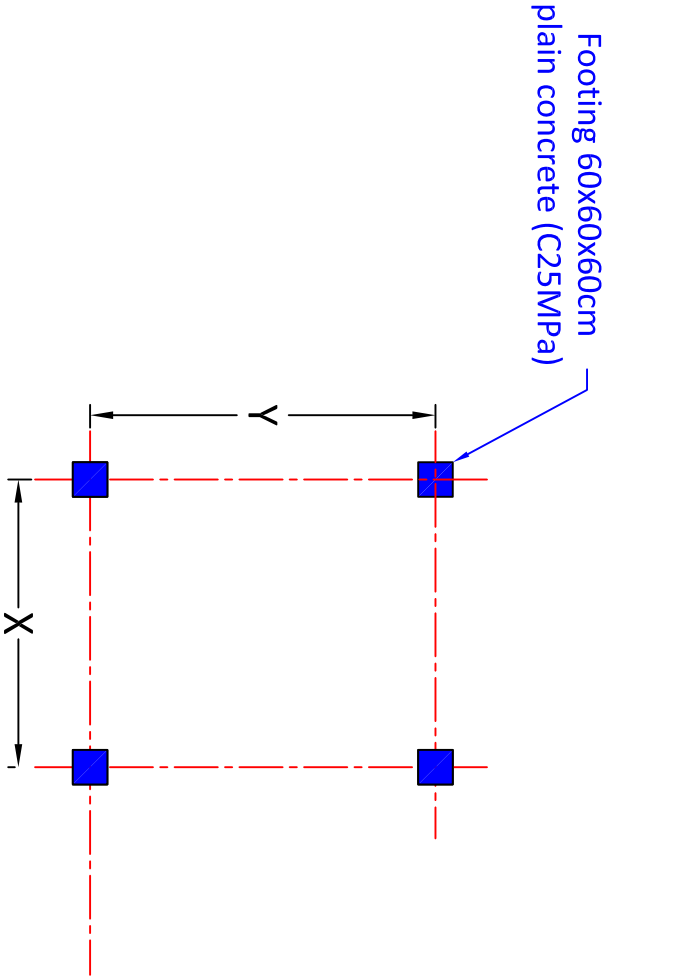
Sheet Title:

Detail of Steel Handrail

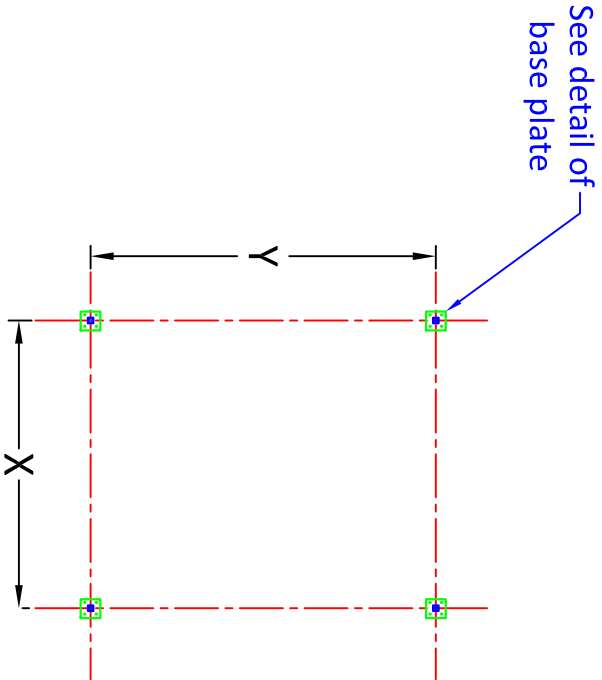
Scale: NTS

Date:

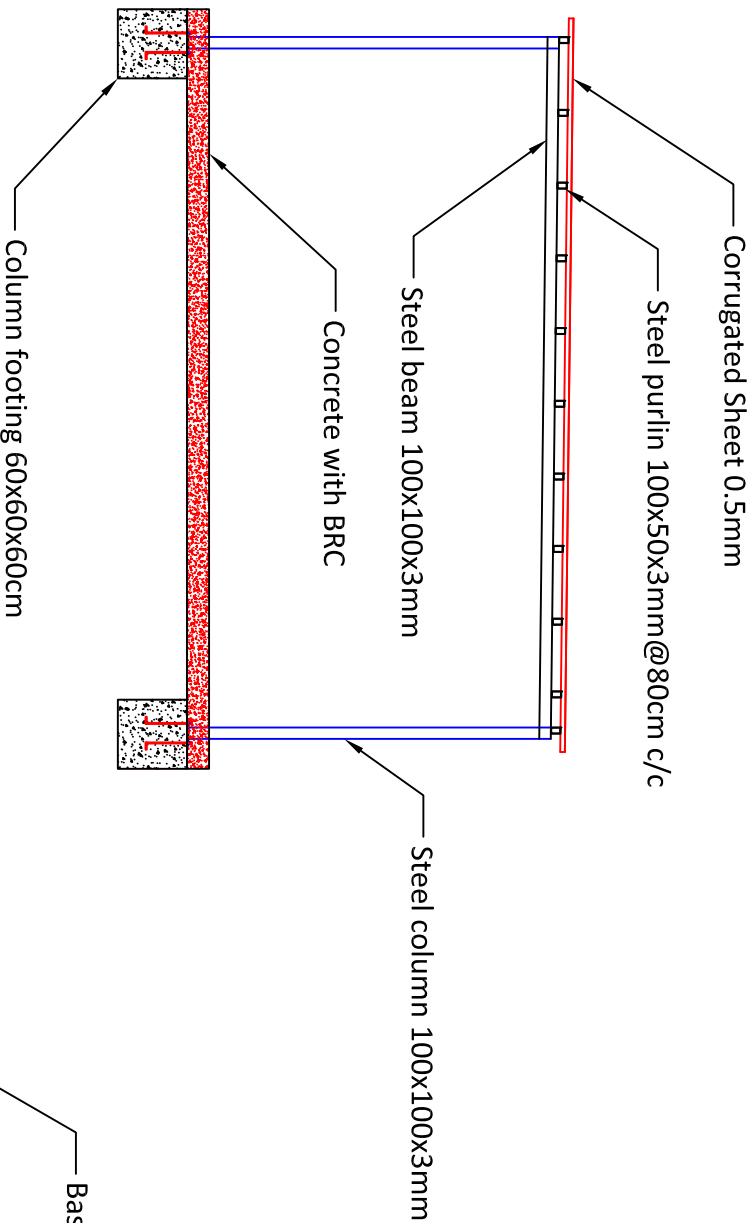
DWG No.



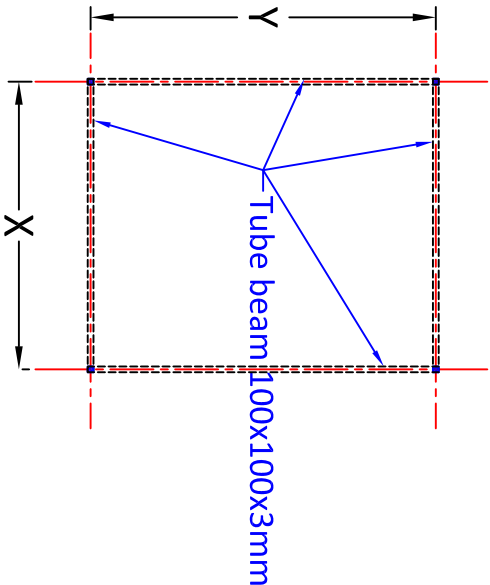
Footing Layout



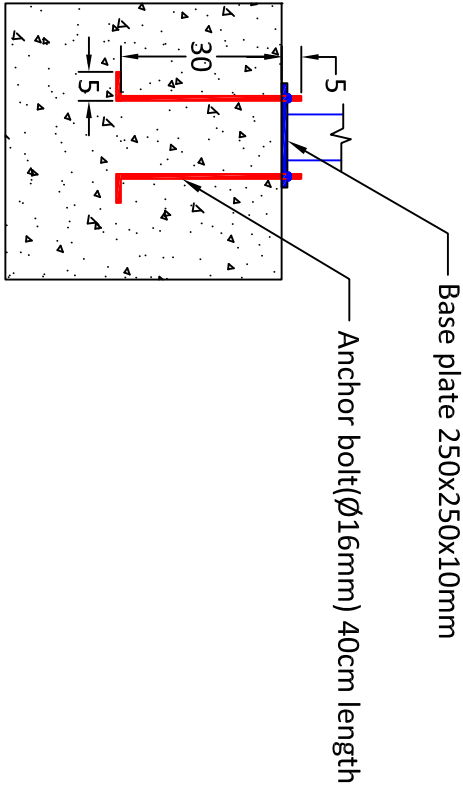
Columns' Layout



Section of the sun shed

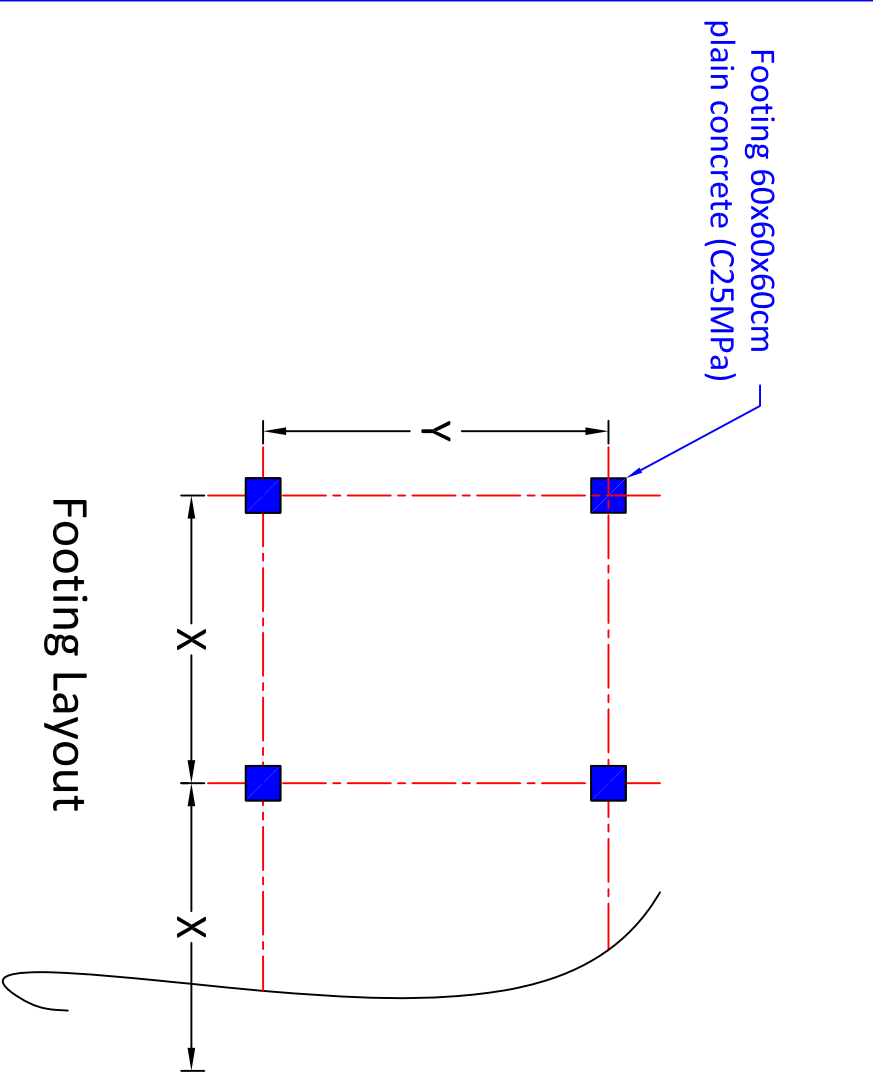


Beams' Layout

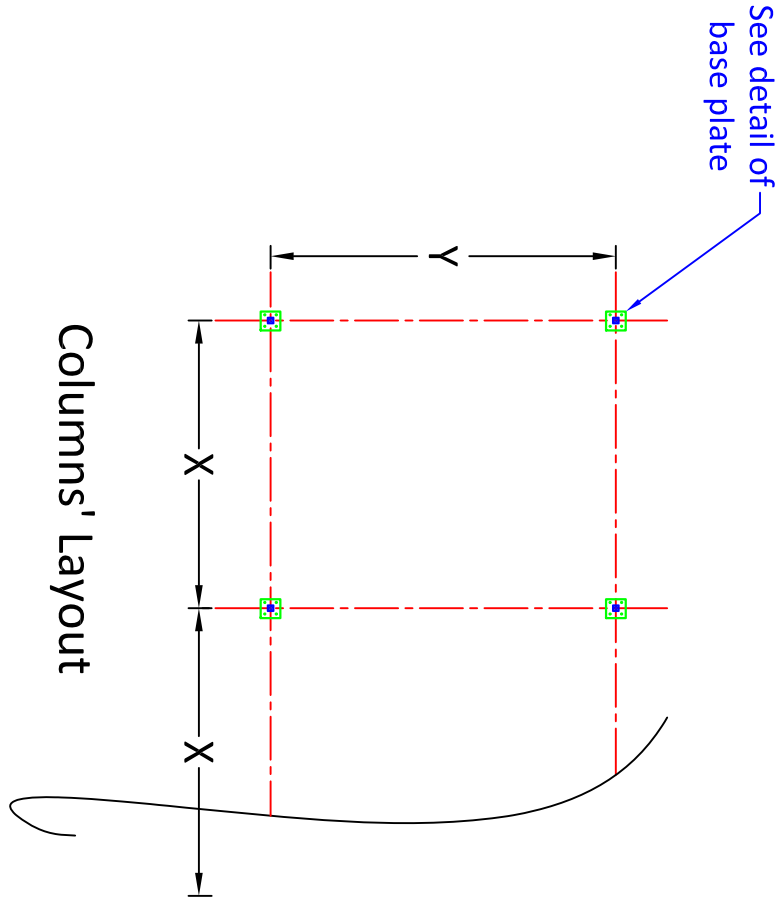


Detail of column footing and base plate

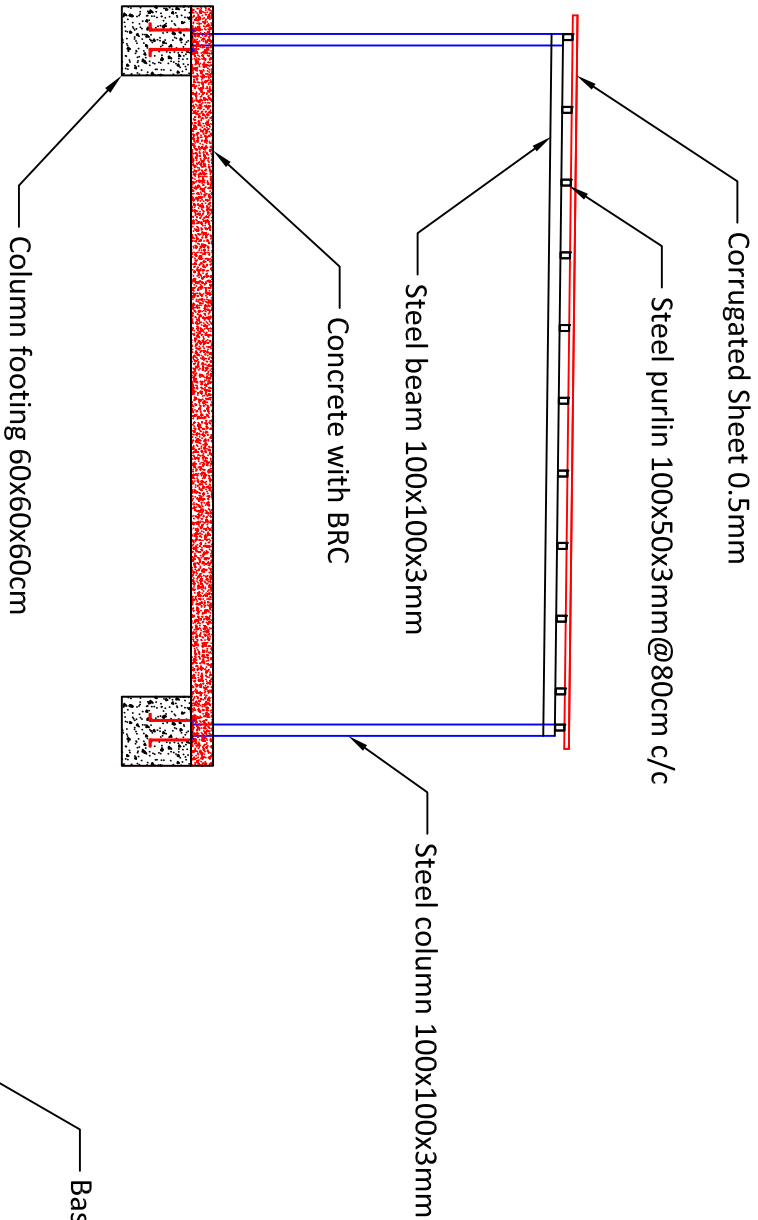
Typical Drawings for Renovation			
Drawn by: Soran Rostam Aziz			
Sheet Title: Detail of Sun Shed of single span			
Scale: NTS	Date:	DWG No.	



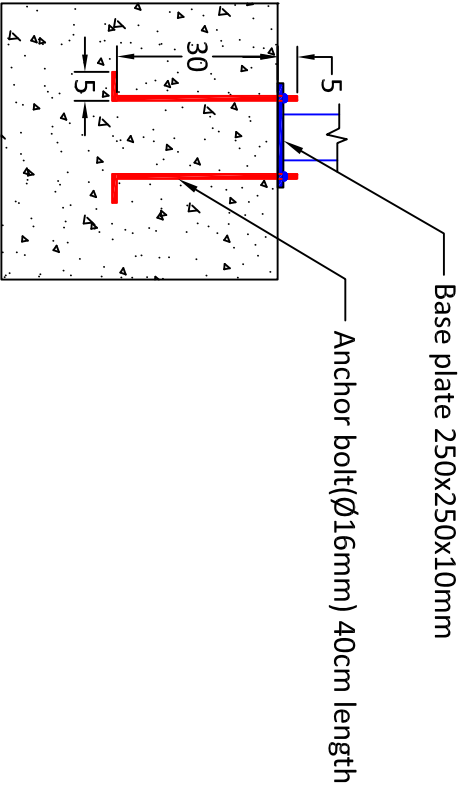
Footing Layout



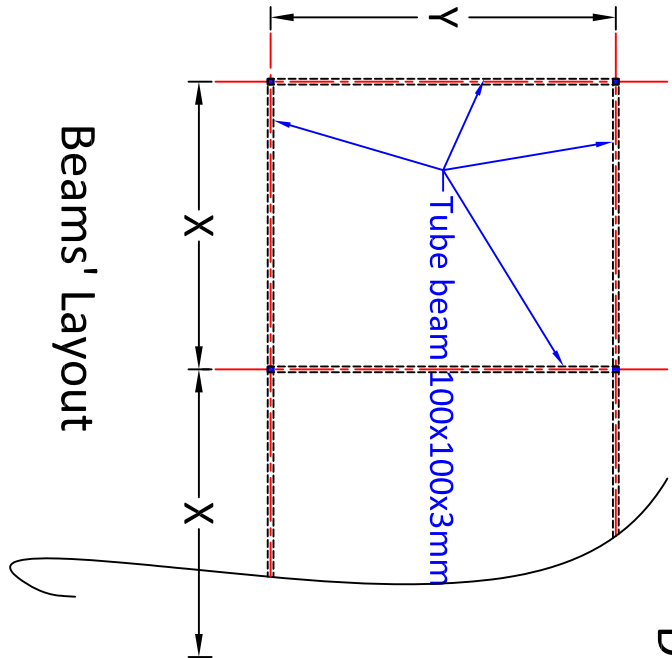
Columns' Layout



Section of the sun shed

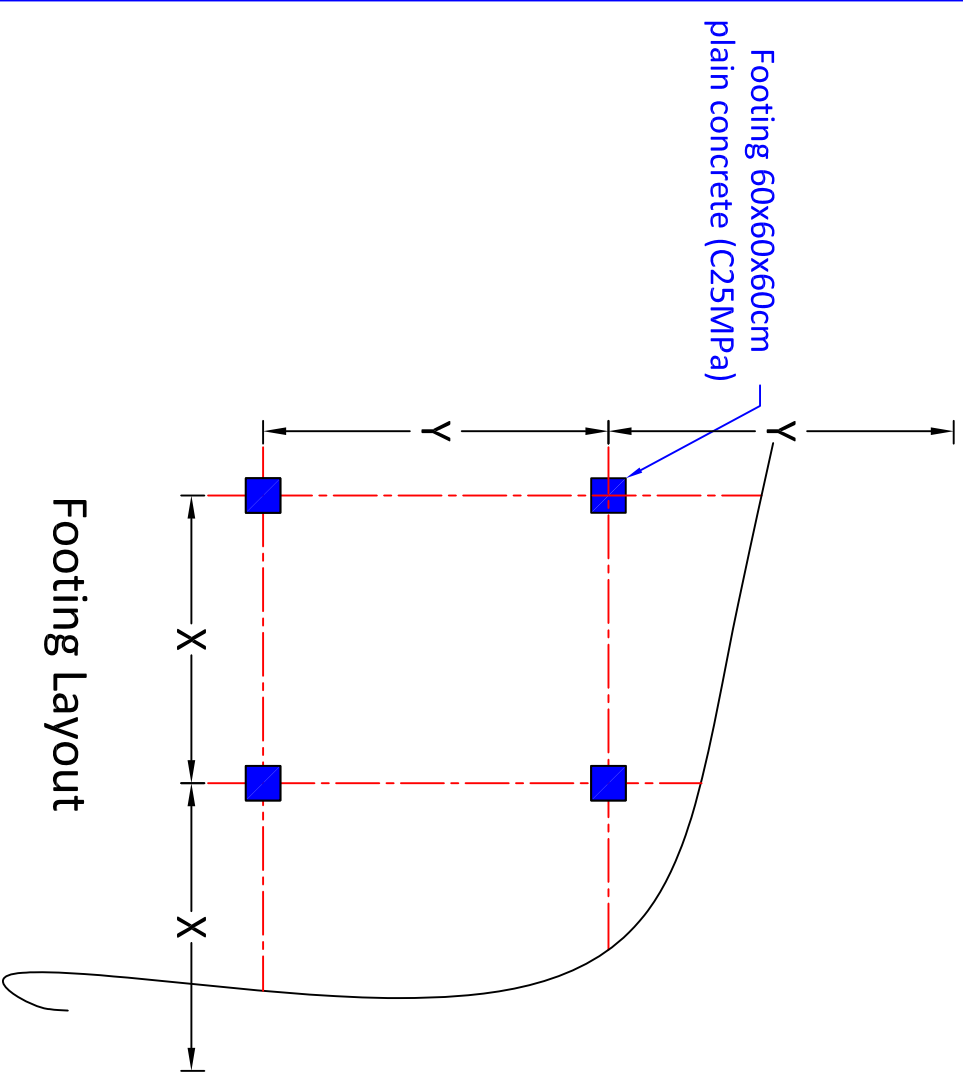


Detail of column footing and base plate

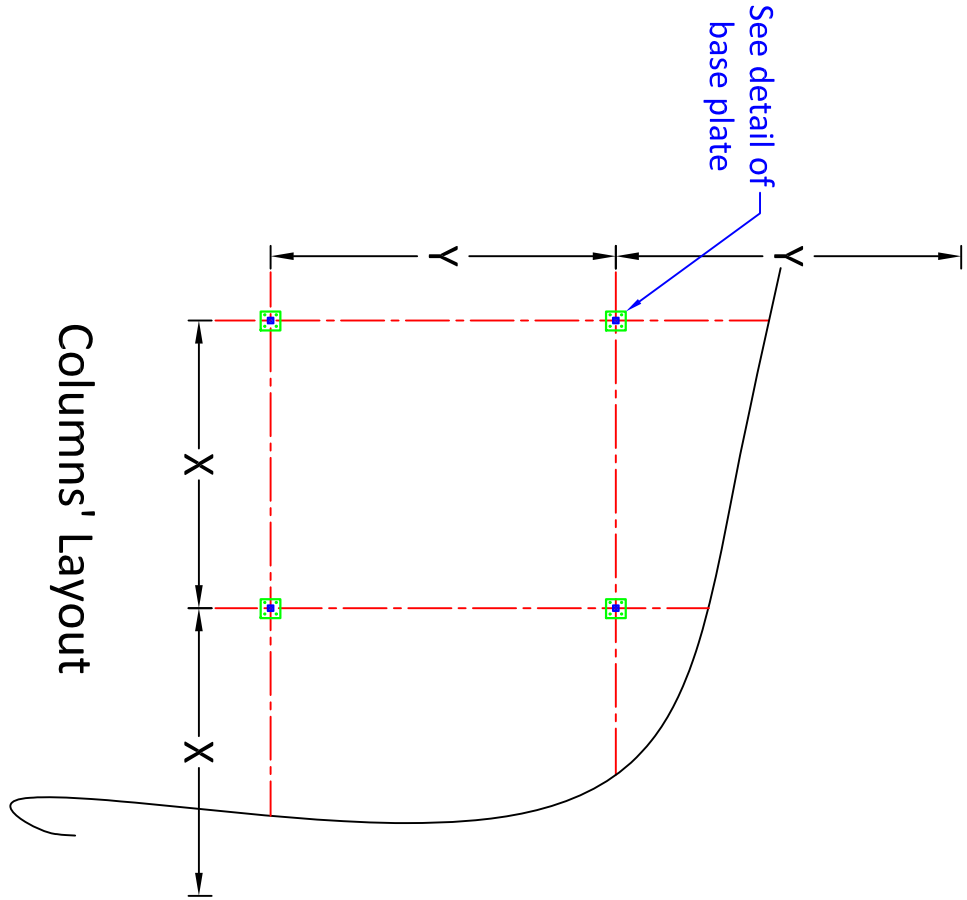


Beams' Layout

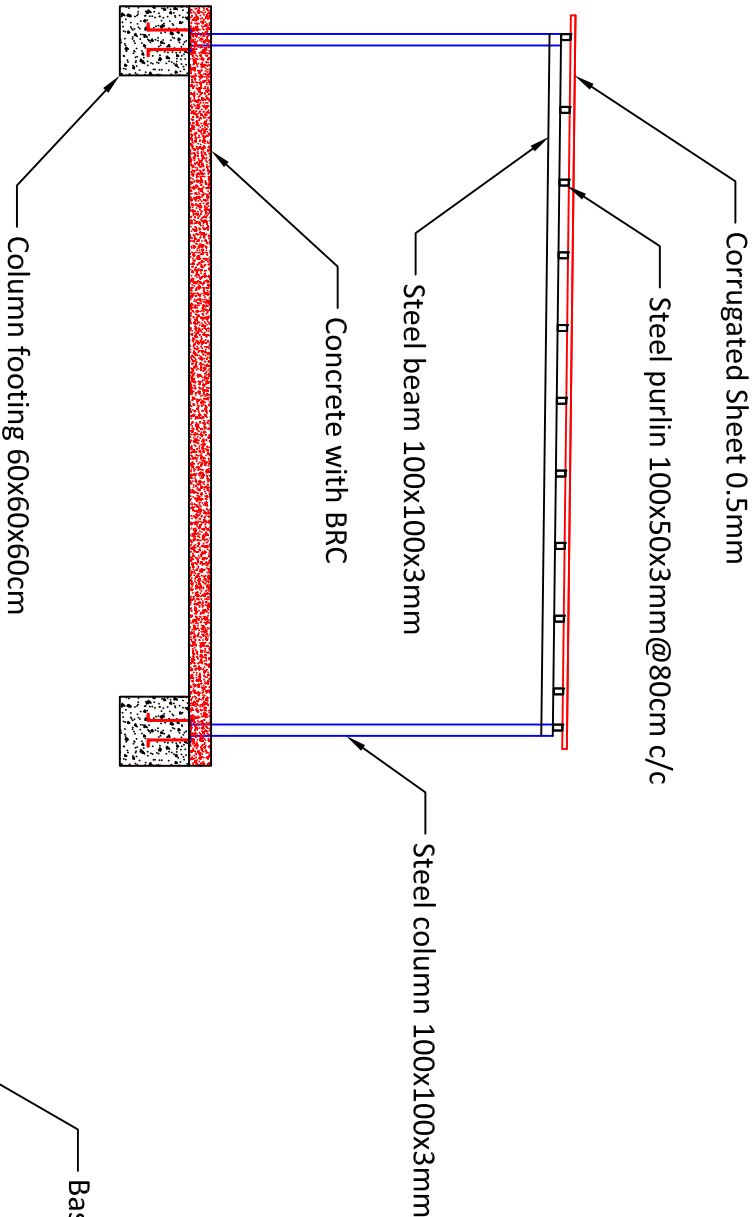
Typical Drawings for Renovation			
Drawn by: Soran Rostam Aziz			
Sheet Title: Detail of Sun Shed spanning in one directions			
Scale: NTS	Date:	DWG No.	



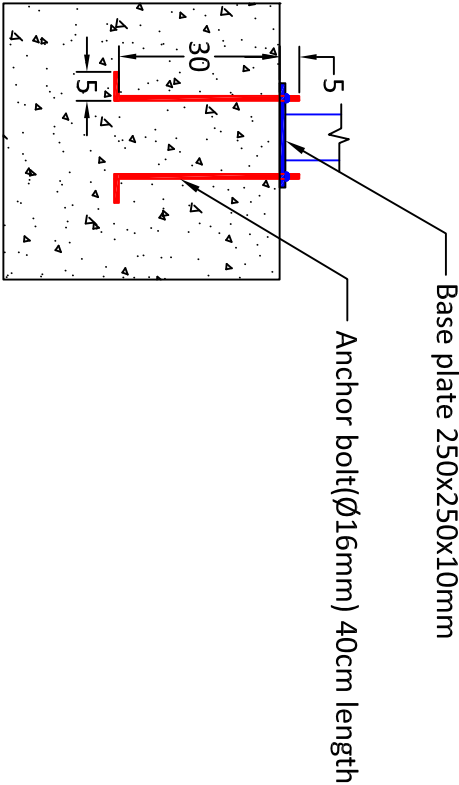
Footing Layout



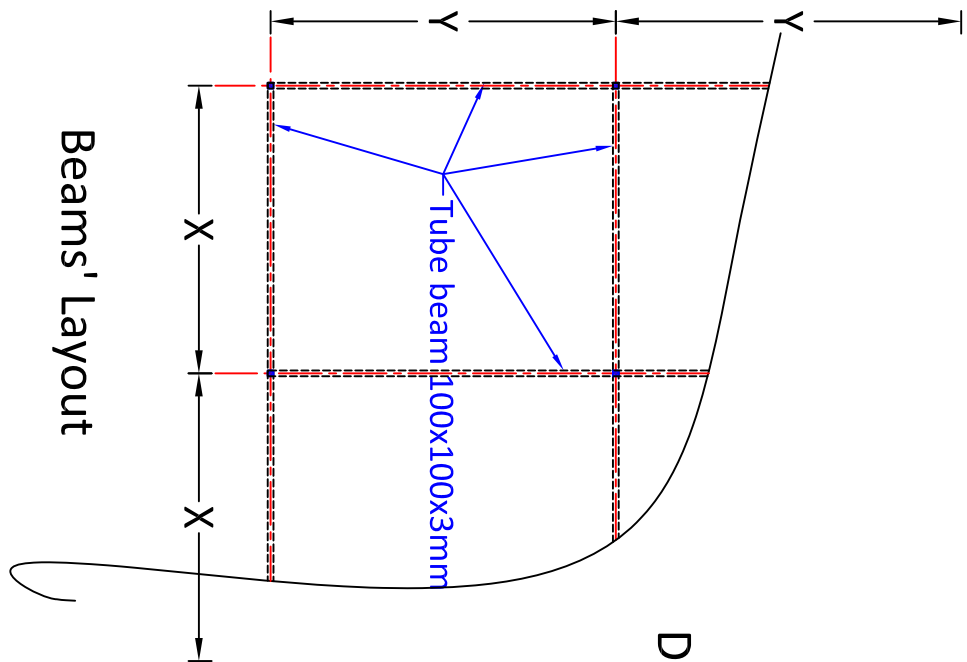
Columns' Layout



Section of the sun shed

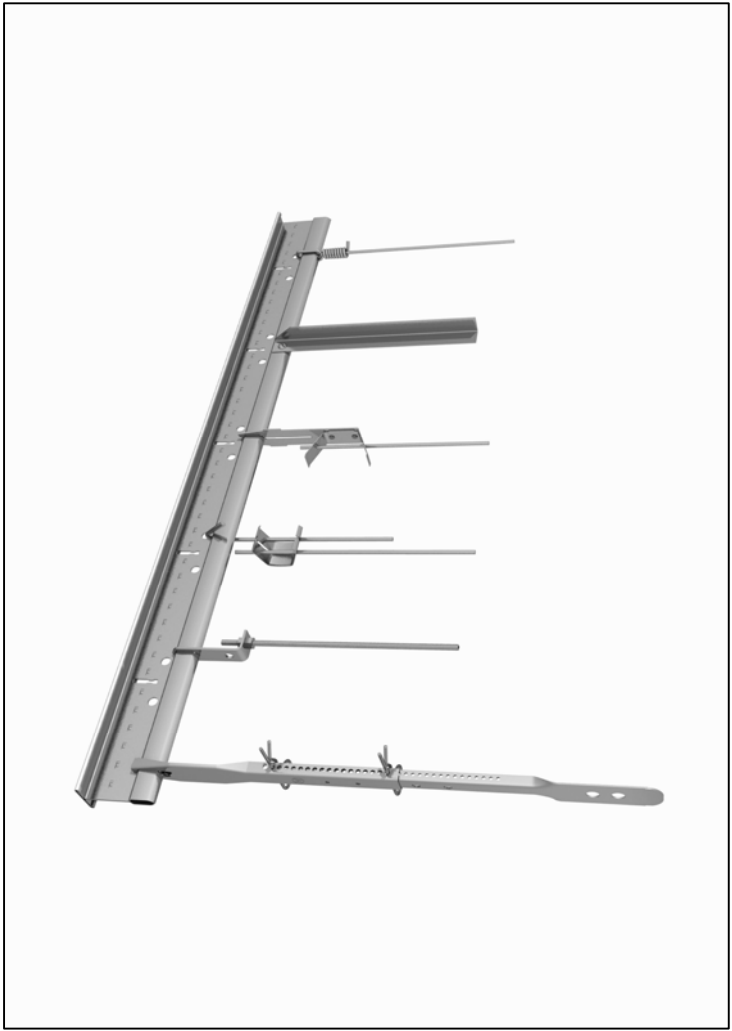
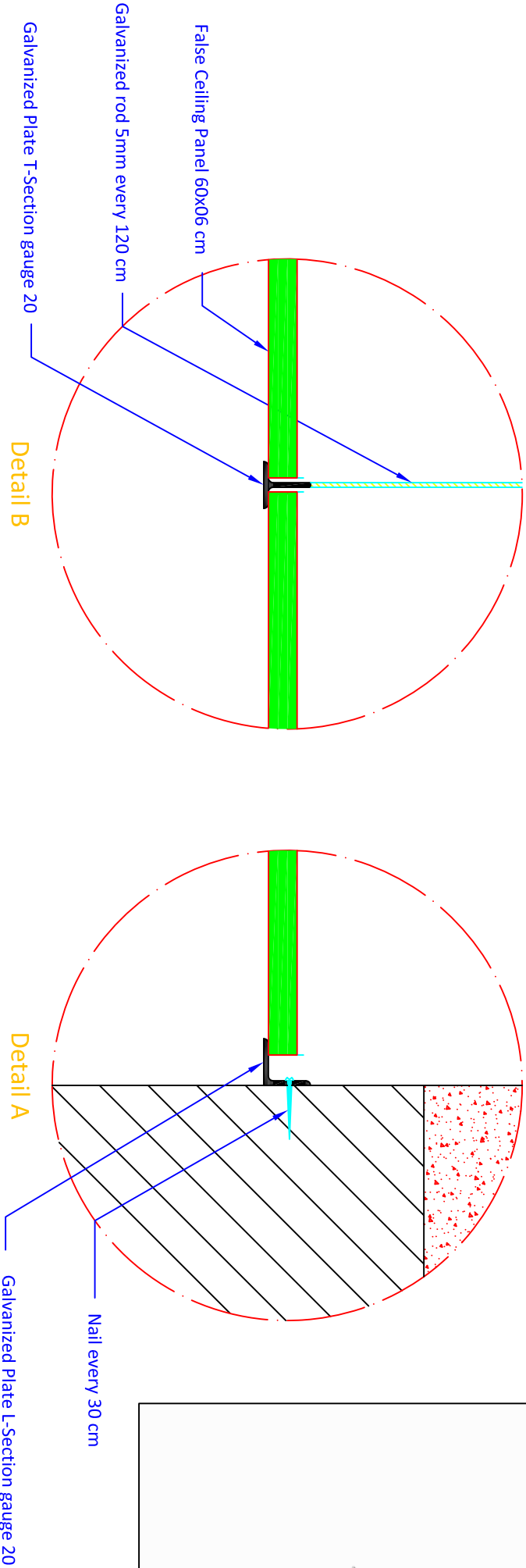
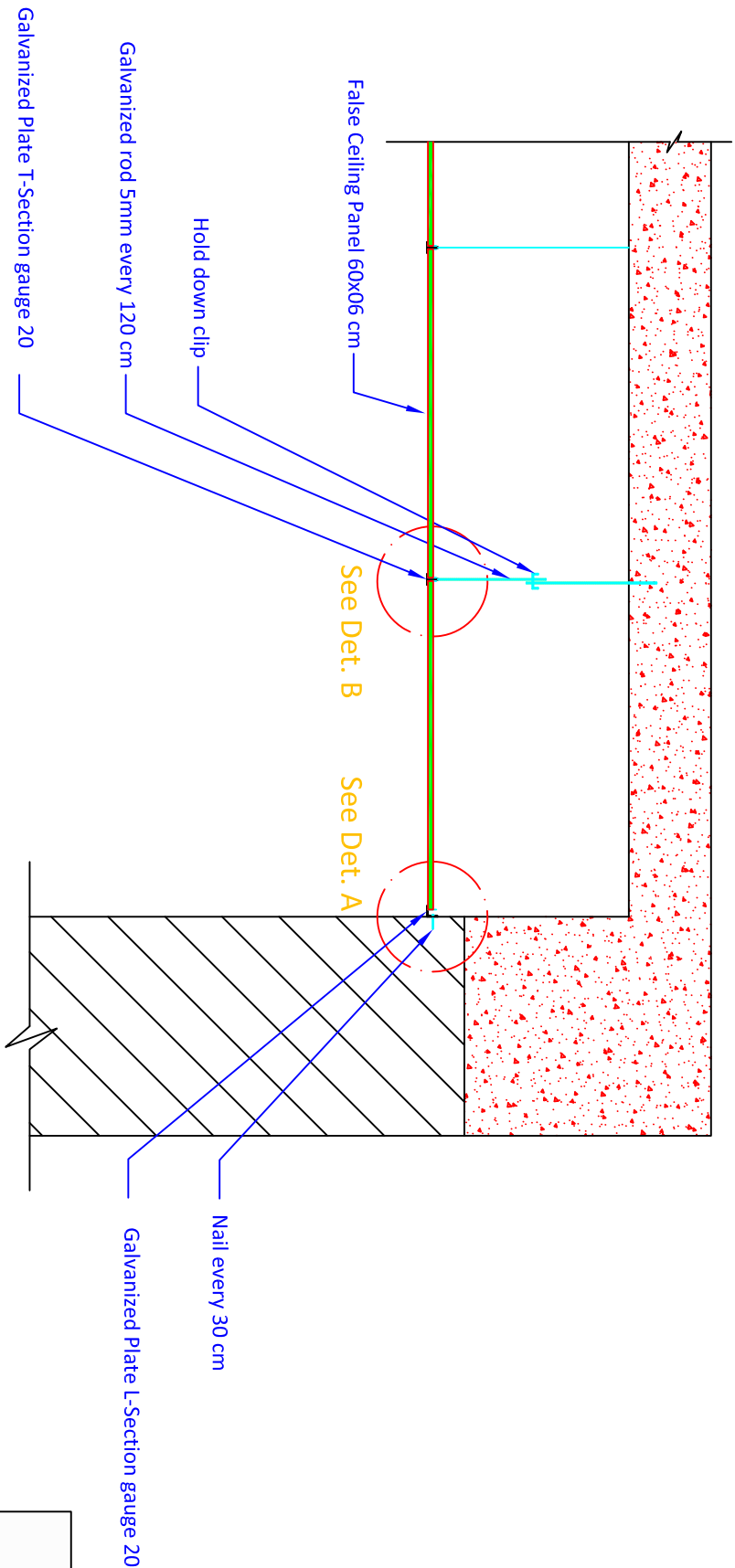


Detail of column footing and base plate



Beams' Layout

Typical Drawings for Renovation			
Drawn by: Soran Rostam Aziz			
Sheet Title:			
Detail of Sun Shed spanning in two directions			
Scale: NTS	Date:	DWG No.	



Detail of Suspended Ceilings

Typical Drawings for Renovation			
Drawn by: Soran Rostam Aziz			
Sheet Title:			
Detail of Suspended Ceilings			
Scale: NTS	Date:	DWG No.	