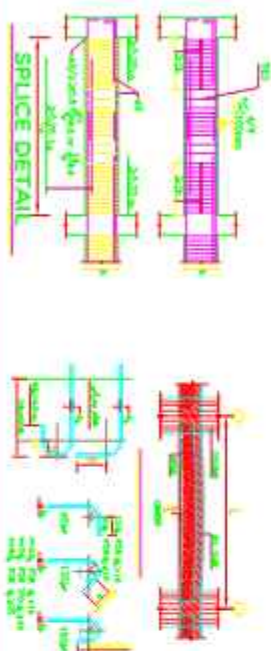


GENERAL NOTES

CONFIDENTIAL NOTES

- [illegible]

- [illegible]



[illegible]

- i. All directions are in mm.
- ii. All elevations and distances are in meters.

- a. CONTRACTOR SHALL FURNISH ELECTRICAL, PLUMBING, AND MECHANICAL WORK, INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING: (1) ELECTRICAL WORK, INCLUDING, BUT NOT LIMITED TO, WIRING, LIGHTING, AND TELEPHONE WORK; (2) PLUMBING WORK, INCLUDING, BUT NOT LIMITED TO, PIPING, VALVES, AND FIXTURES; (3) MECHANICAL WORK, INCLUDING, BUT NOT LIMITED TO, HEATING, VENTILATION, AND AIR CONDITIONING.
- b. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
- c. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING UTILITIES AND STRUCTURES AT ALL TIMES.
- d. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
- e. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING UTILITIES AND STRUCTURES AT ALL TIMES.
- f. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
- g. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING UTILITIES AND STRUCTURES AT ALL TIMES.
- h. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
- i. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING UTILITIES AND STRUCTURES AT ALL TIMES.
- j. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
- k. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING UTILITIES AND STRUCTURES AT ALL TIMES.
- l. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
- m. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING UTILITIES AND STRUCTURES AT ALL TIMES.
- n. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
- o. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING UTILITIES AND STRUCTURES AT ALL TIMES.
- p. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
- q. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING UTILITIES AND STRUCTURES AT ALL TIMES.
- r. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
- s. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING UTILITIES AND STRUCTURES AT ALL TIMES.
- t. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
- u. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING UTILITIES AND STRUCTURES AT ALL TIMES.
- v. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
- w. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING UTILITIES AND STRUCTURES AT ALL TIMES.
- x. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
- y. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING UTILITIES AND STRUCTURES AT ALL TIMES.
- z. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

641C	GRITTY OR SLIM COARSEST		GRITTY, SLIM
77A	FINED SLIM		GRITTY, SLIM
81	COARSE LAM		SLIM COARSEST
82A	SLIM COARSEST		SLIM COARSEST
84A	SLIM COARSEST		SLIM COARSEST
85A	GRITTY OR COARSEST		GRITTY OR COARSEST
86A	GRITTY OR COARSEST		GRITTY OR COARSEST
87A	GRITTY OR COARSEST		GRITTY OR COARSEST
88A	GRITTY OR COARSEST		GRITTY OR COARSEST
89A	GRITTY OR COARSEST		GRITTY OR COARSEST
90A	GRITTY OR COARSEST		GRITTY OR COARSEST
91A	GRITTY OR COARSEST		GRITTY OR COARSEST
92A	GRITTY OR COARSEST		GRITTY OR COARSEST
93A	GRITTY OR COARSEST		GRITTY OR COARSEST
94A	GRITTY OR COARSEST		GRITTY OR COARSEST
95A	GRITTY OR COARSEST		GRITTY OR COARSEST
96A	GRITTY OR COARSEST		GRITTY OR COARSEST
97A	GRITTY OR COARSEST		GRITTY OR COARSEST
98A	GRITTY OR COARSEST		GRITTY OR COARSEST
99A	GRITTY OR COARSEST		GRITTY OR COARSEST
100A	GRITTY OR COARSEST		GRITTY OR COARSEST

The Location

[illegible]

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07	10.01.1105	1111	H.A.	H.A.	E. 011		
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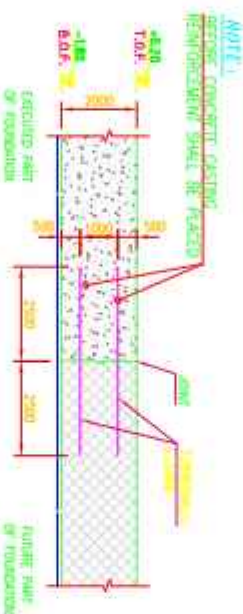
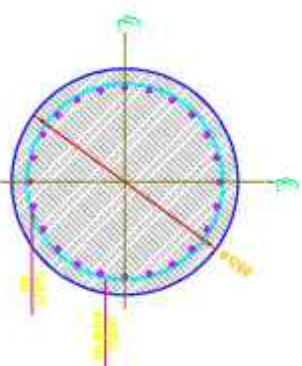
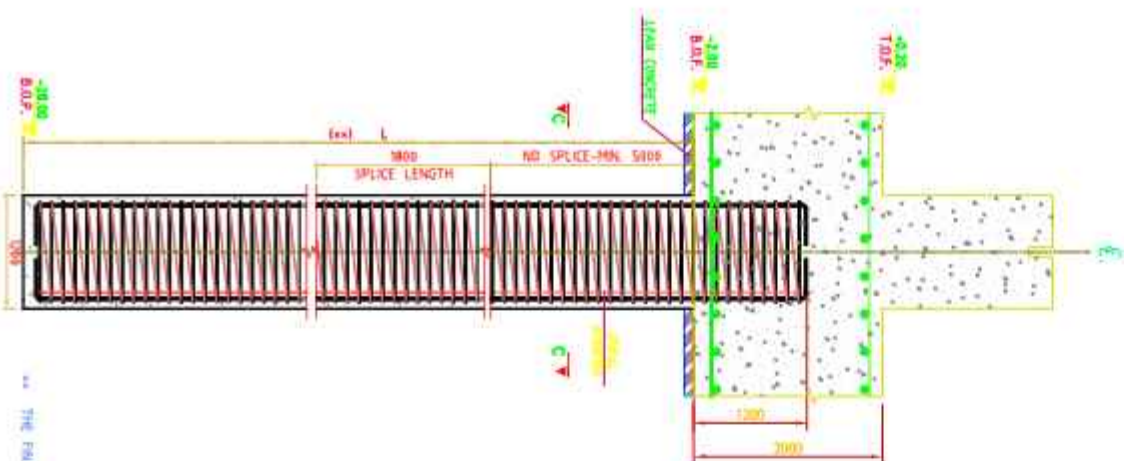
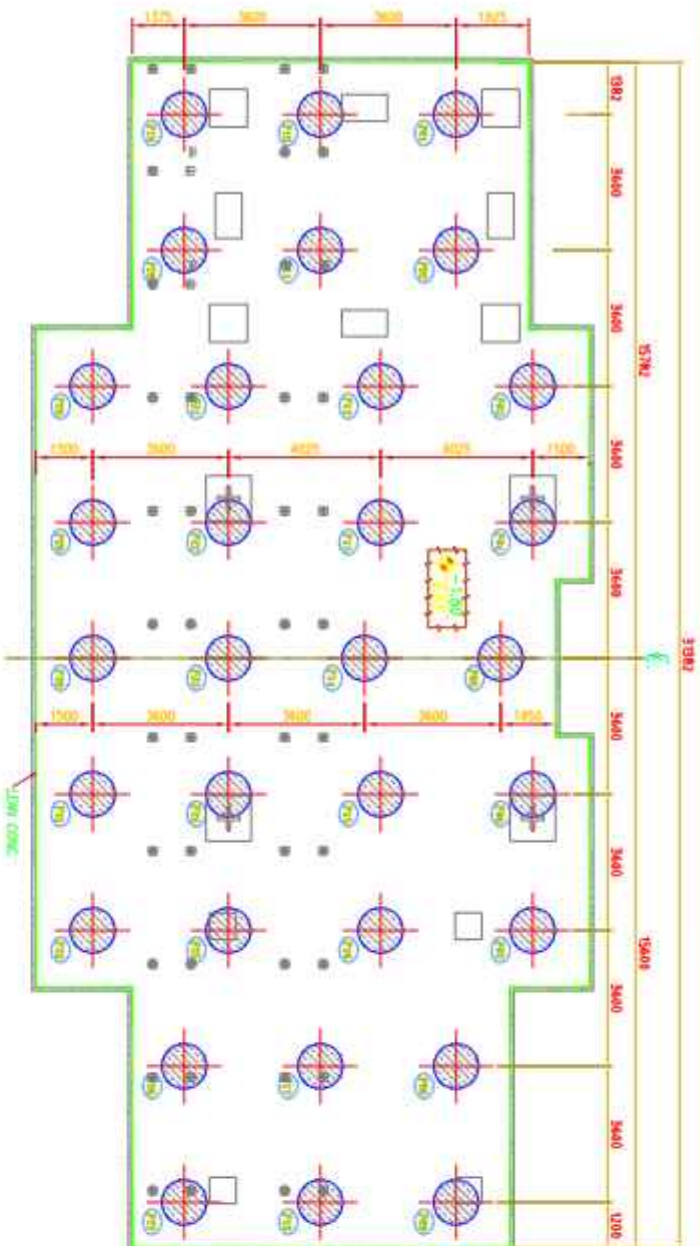
PROJECT TITLE:
COLD BRICKLETT SPONGE IRON PROJECT

DRI FINE HIN02-PILE AND FOUNDATION DRAWINGS

RECORDING INFO		DATE/TIME OF TEST		RE V.	DATE	DEPT.	UNIT
9/10/2000 11:00		9/10/2000 11:00					



* CERTIFICATES AND PATENTS SHALL BE OBTAINED BEFORE ANY BUILDING THE STRUCTURE AND BEFORE COMMENCING THE WORK. THE PATENT SHALL BE PROVIDED BY THE CONTRACTOR.



PILE LEGEND				
TYPE	PILE MARKING	DIM (mm)	LENGTH (m)	QTY
1	P-01~32	1200	28	32

Ed			
ϕ mm	Beam & Foundation Bot rebar	Top rebar	Column & Wall
$\phi 8$	30.0 cm	4.0 cm	30.0 cm
$\phi 10$	35.0 cm	50.0 cm	35.0 cm
$\phi 12$	45.0 cm	55.0 cm	45.0 cm
$\phi 14$	50.0 cm	65.0 cm	50.0 cm
$\phi 16$	60.0 cm	75.0 cm	60.0 cm
$\phi 18$	65.0 cm	85.0 cm	65.0 cm
$\phi 20$	90.0 cm	115.0 cm	90.0 cm
$\phi 22$	95.0 cm	125.0 cm	95.0 cm
$\phi 25$	110.0 cm	140.0 cm	110.0 cm
$\phi 28$	125.0 cm	160.0 cm	125.0 cm
$\phi 32$	140.0 cm	180.0 cm	140.0 cm

Ed			
ϕ mm	Ed	Minimum width of Column	
$\phi 8$	15.0 cm	25.0 cm	
$\phi 10$	15.0 cm	25.0 cm	
$\phi 12$	20.0 cm	25.0 cm	
$\phi 14$	20.0 cm	25.0 cm	
$\phi 16$	25.0 cm	30.0 cm	
$\phi 18$	25.0 cm	30.0 cm	
$\phi 20$	30.0 cm	35.0 cm	
$\phi 22$	30.0 cm	35.0 cm	
$\phi 25$	40.0 cm	45.0 cm	
$\phi 28$	45.0 cm	50.0 cm	
$\phi 32$	50.0 cm	60.0 cm	

Foundat			
ϕ mm	Beam & Foundation Bot rebar	Top rebar	Column & Wall
$\phi 8$	40.0 cm	55.0 cm	40.0 cm
$\phi 10$	50.0 cm	65.0 cm	50.0 cm
$\phi 12$	60.0 cm	75.0 cm	60.0 cm
$\phi 14$	65.0 cm	85.0 cm	65.0 cm
$\phi 16$	80.0 cm	100.0 cm	80.0 cm
$\phi 18$	85.0 cm	115.0 cm	85.0 cm
$\phi 20$	120.0 cm	150.0 cm	120.0 cm
$\phi 22$	125.0 cm	165.0 cm	125.0 cm
$\phi 25$	145.0 cm	185.0 cm	145.0 cm
$\phi 28$	165.0 cm	210.0 cm	165.0 cm
$\phi 32$	185.0 cm	235.0 cm	185.0 cm

[illegible]

PROPOSED SCHEDULE

TYPE	QTY	STRUCTURE	UNIT
PED-1	1250x1250	TYPE 100	m ²
PED-2	1000x1000	TYPE 100	m ²
PED-3	1000x1000	TYPE 100	m ²
PED-4	1000x1000	TYPE 100	m ²
PED-5	1000x1000	TYPE 100	m ²

SPECIFIC NOTES

- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FOLLOWING STANDARDS:
 - 1. ALL STRUCTURAL CONCRETE SHALL BE OF STRENGTH CLASS C30/37 OR HIGHER.
 - 2. ALL STRUCTURAL STEEL SHALL BE OF STRENGTH CLASS S460 OR HIGHER.
 - 3. ALL CONCRETE SHALL BE CASTED WITHIN 24 HOURS OF MIXING.
 - 4. ALL CONCRETE SHALL BE CURED FOR AT LEAST 14 DAYS.
 - 5. ALL CONCRETE SHALL BE PROTECTED FROM FREEZING AND THAWING.
 - 6. ALL CONCRETE SHALL BE PROTECTED FROM CORROSION.
 - 7. ALL CONCRETE SHALL BE PROTECTED FROM ACID ATTACK.
 - 8. ALL CONCRETE SHALL BE PROTECTED FROM SULFATE ATTACK.
 - 9. ALL CONCRETE SHALL BE PROTECTED FROM CHLORIDE ATTACK.
 - 10. ALL CONCRETE SHALL BE PROTECTED FROM CARBON DIOXIDE ATTACK.
 - 11. ALL CONCRETE SHALL BE PROTECTED FROM SULFURIC ACID ATTACK.
 - 12. ALL CONCRETE SHALL BE PROTECTED FROM NITRIC ACID ATTACK.
 - 13. ALL CONCRETE SHALL BE PROTECTED FROM PHOSPHORIC ACID ATTACK.
 - 14. ALL CONCRETE SHALL BE PROTECTED FROM HYDROFLUORIC ACID ATTACK.
 - 15. ALL CONCRETE SHALL BE PROTECTED FROM PERACETIC ACID ATTACK.
 - 16. ALL CONCRETE SHALL BE PROTECTED FROM PERFORMIC ACID ATTACK.
 - 17. ALL CONCRETE SHALL BE PROTECTED FROM PEROXACETIC ACID ATTACK.
 - 18. ALL CONCRETE SHALL BE PROTECTED FROM PERBACIC ACID ATTACK.
 - 19. ALL CONCRETE SHALL BE PROTECTED FROM PERMANGONIC ACID ATTACK.
 - 20. ALL CONCRETE SHALL BE PROTECTED FROM PERMANGONIC ACID ATTACK.

ABBREVIATED KEY/LEGEND

- 1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FOLLOWING STANDARDS:
 - 1. ALL STRUCTURAL CONCRETE SHALL BE OF STRENGTH CLASS C30/37 OR HIGHER.
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KEY PLAN



This Location

DESCRIPTION	REMARKS
1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FOLLOWING STANDARDS:	
2. ALL STRUCTURAL CONCRETE SHALL BE OF STRENGTH CLASS C30/37 OR HIGHER.	
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20. ALL CONCRETE SHALL BE PROTECTED FROM PERMANGONIC ACID ATTACK.	
21. ALL CONCRETE SHALL BE PROTECTED FROM PERMANGONIC ACID ATTACK.	

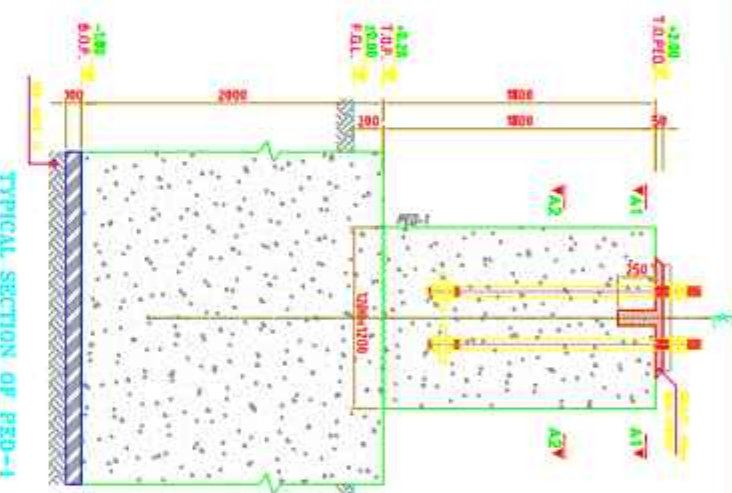
COMMENT TABLE	

REVISION TABLE		
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2	2020-01-01	Final Design

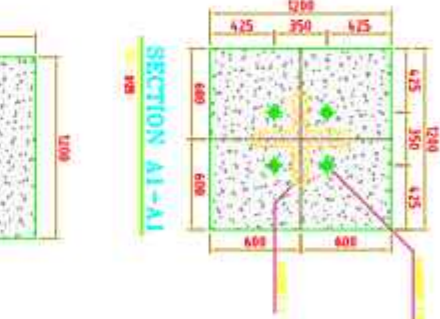
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100	1010.01.2025	H/A	H/A	E-001	—

REVISION TABLE				
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2	2020-01-01	Final Design		

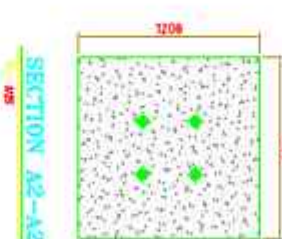
REVISION TABLE		
NO.	DATE	DESCRIPTION
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2	2020-01-01	Final Design



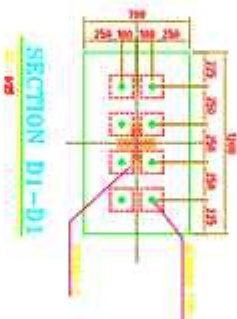
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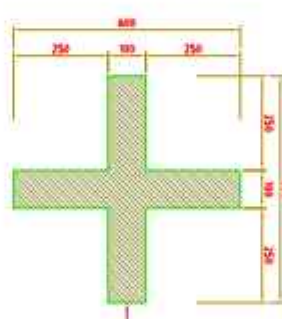
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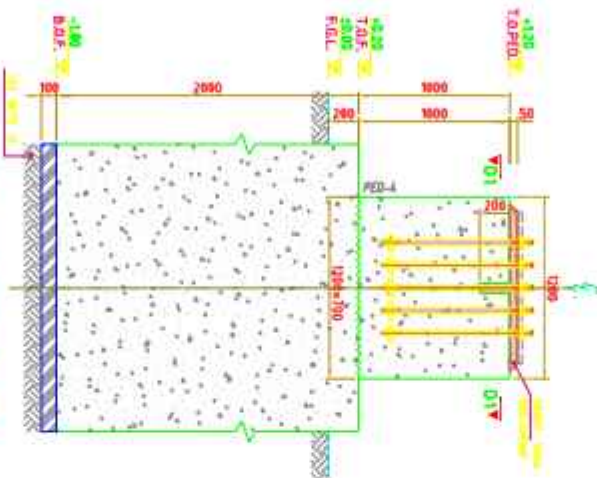
SECTION A2-A2



SECTION B1-B1



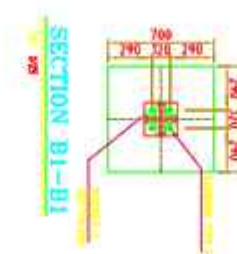
DETAIL OF POCKET-1



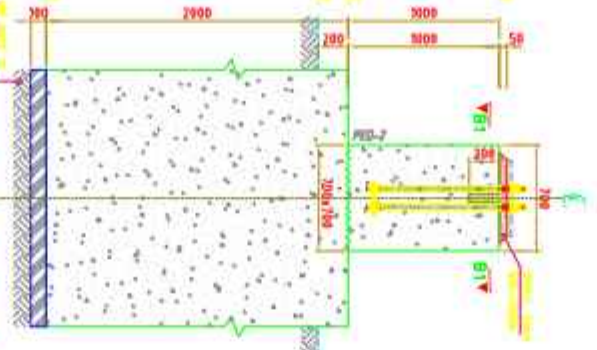
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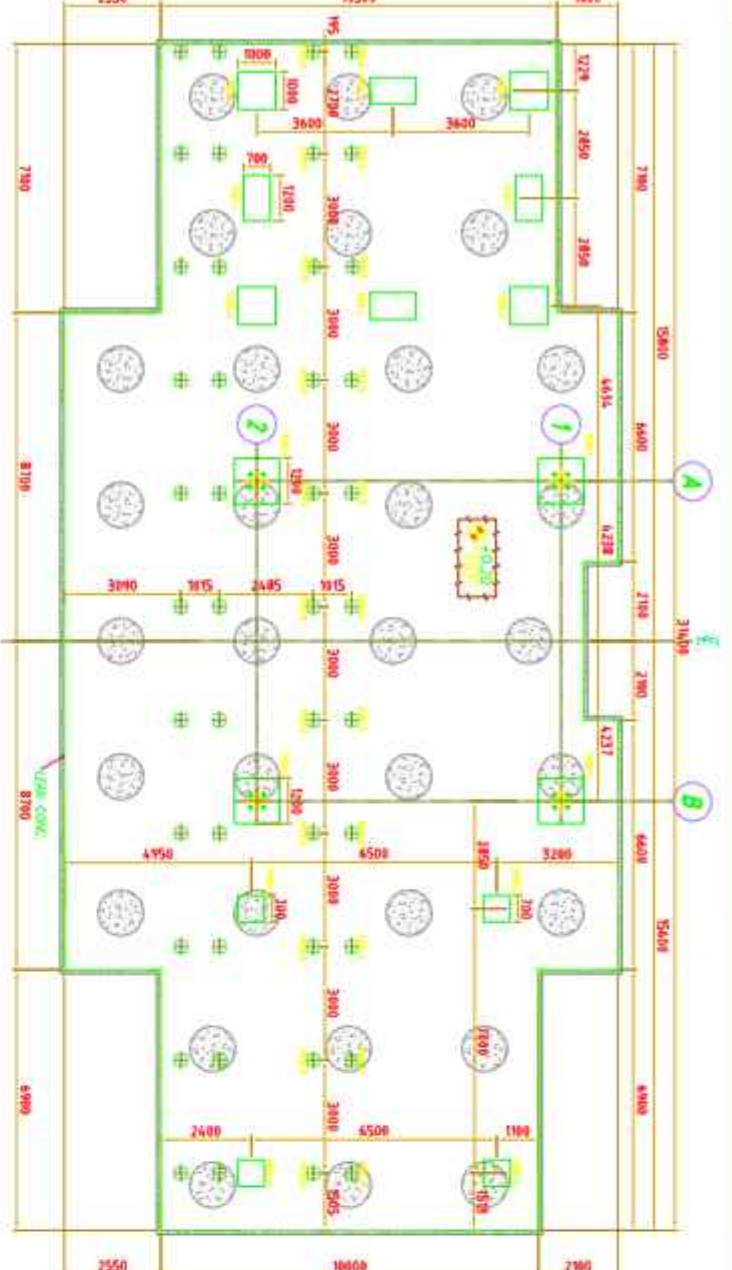
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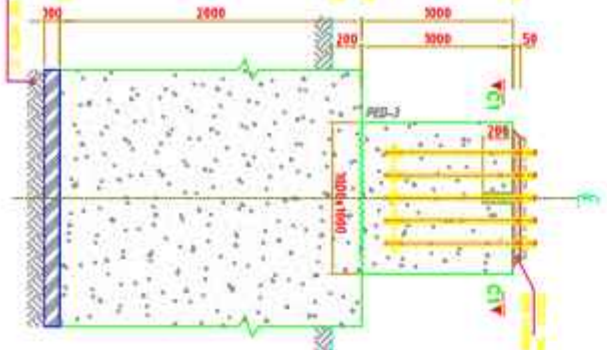
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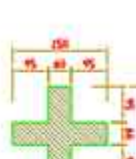
TYPICAL SECTION OF PED-2



FOUNDATION PLAN



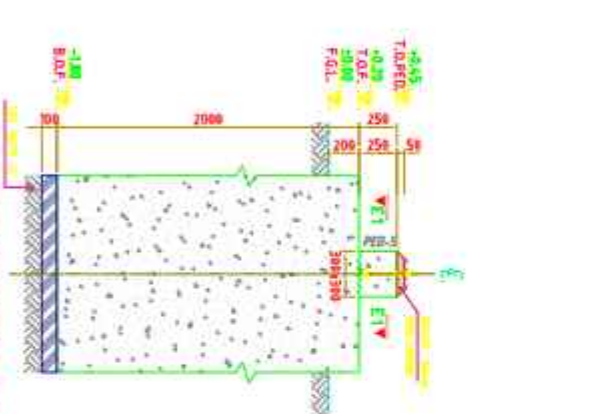
TYPICAL SECTION OF PED-3



DETAIL OF POCKET-3



SECTION C1-C1



TYPICAL SECTION OF PED-5



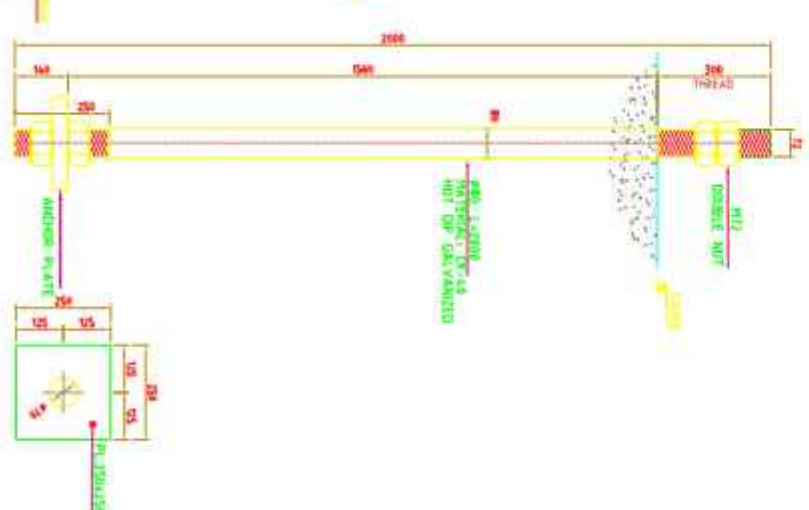
SECTION E1-E1



DETAIL OF ANCHOR BOLT TYPE-2



DETAIL OF ANCHOR BOLT TYPE-3



DETAIL OF ANCHOR BOLT TYPE-1

GENERAL NOTES

1. ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE.
2. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.
3. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.
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10. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.

ABBREVIATED MATERIAL LEGEND

1. ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE.	2. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.	3. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.	4. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.	5. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.	6. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.	7. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.	8. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.	9. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.	10. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.
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KEY PLAN



This Location

REFERENCE DIMENSIONS

COMMIT TABLE	
☐	Asst. "Organized" - Miscellaneous and Miscellaneous is intended for miscellaneous and organized.
☐	Asst. "Organized" - Miscellaneous -

REVISION TABLE

NO.	DATE	REVISION	BY	CHKD.
01	2020.03.01	1. ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE.	1. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.	1. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.
02	2021.03.05	1. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.	1. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.	1. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.
03	2021.03.05	1. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.	1. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.	1. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.
04	10.10.2024	1. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.	1. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.	1. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.
05	11.08	1. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.	1. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.	1. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.

PROJECT TITLE: C O L D B R I Q U E T T E S P O N G E I R O N P R O J E C T

DRI FINE B I N O 2 P I L E A N D F O U N D A T I O N D R A W I N G S

DOCUMENT NO.	4032011101 DW 20/01	NO. 1	NO. 2	NO. 3	NO. 4	NO. 5	NO. 6	NO. 7	NO. 8	NO. 9	NO. 10
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[illegible]ABBREVIATED MSG & LEGEND

GALE	GOV OF ILL. GOVERNMENT		NATIONAL ONE
GALE	GOVERNMENT		NATIONAL ONE
GALE	GOVERNMENT		NATIONAL ONE
GALE	GOVERNMENT		NATIONAL ONE
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GALE	GOVERNMENT		NATIONAL ONE
GALE	GOVERNMENT		NATIONAL ONE
GALE	GOVERNMENT		NATIONAL ONE
GALE	GOVERNMENT		NATIONAL ONE
GALE	GOVERNMENT		NATIONAL ONE
GALE	GOVERNMENT		NATIONAL ONE

[illegible][illegible]

103	2000-2	1118	11 A	11 F	11
104	2001-2003	1118	11 A	11 A	11 3H
105	2002-2	1118	11 A	11 A	11 3H

100	10.00.2000	R 11	R 16	R 16
100%	11.00	R 10		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	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
1. Name of the person or organization: THE UNIVERSITY OF THE SOUTH ALABAMA 2. Address: 200 UNIVERSITY BLVD. MOBILE, AL 36688-3000 3. City: MOBILE State: AL Zip: 36688-3000 4. Telephone: (205) 938-7000 Fax: (205) 938-7000 5. E-mail: MOBILE@USA.EDU 6. Name of the person or organization: THE UNIVERSITY OF THE SOUTH ALABAMA 7. Address: 200 UNIVERSITY BLVD. MOBILE, AL 36688-3000 8. City: MOBILE State: AL Zip: 36688-3000 9. Telephone: (205) 938-7000 Fax: (205) 938-7000 10. E-mail: MOBILE@USA.EDU																																																																																																			

С ОЛД БРИГОВИТЪН СПОНГ И КОН ПЕ ДИЛЪТ

DRIFTING BIN02-PILE AND FOUNDATION DRAWING

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- SPECIAL NOTES

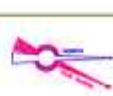
SPECIAL NOTES

- Table 1 presents an overview of the data sources used in this study.

ABBREVIATIONS AND ACRONYMS

- THE**

KEY PLAN



This Location

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	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
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COMMENT TABLE

- Online is a new platform for the world's most innovative and exciting digital marketing technology. It's the only place you can find the latest in digital marketing technology, from the most innovative and exciting digital marketing technology to the most innovative and exciting digital marketing technology.



REVISION TABLE

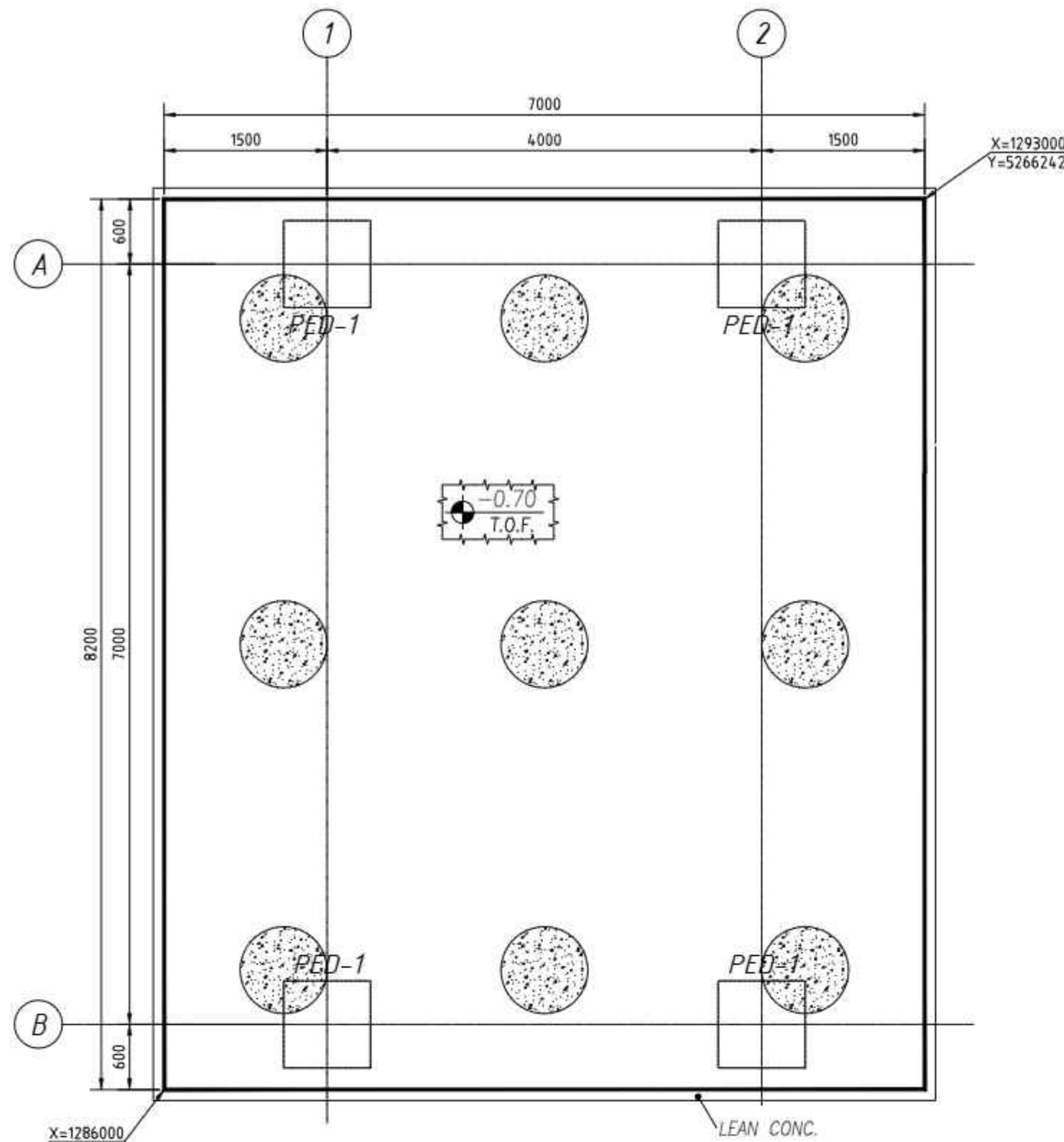
[illegible]

COLD RIGIDITY: THE SPONGE IRON PROJECT

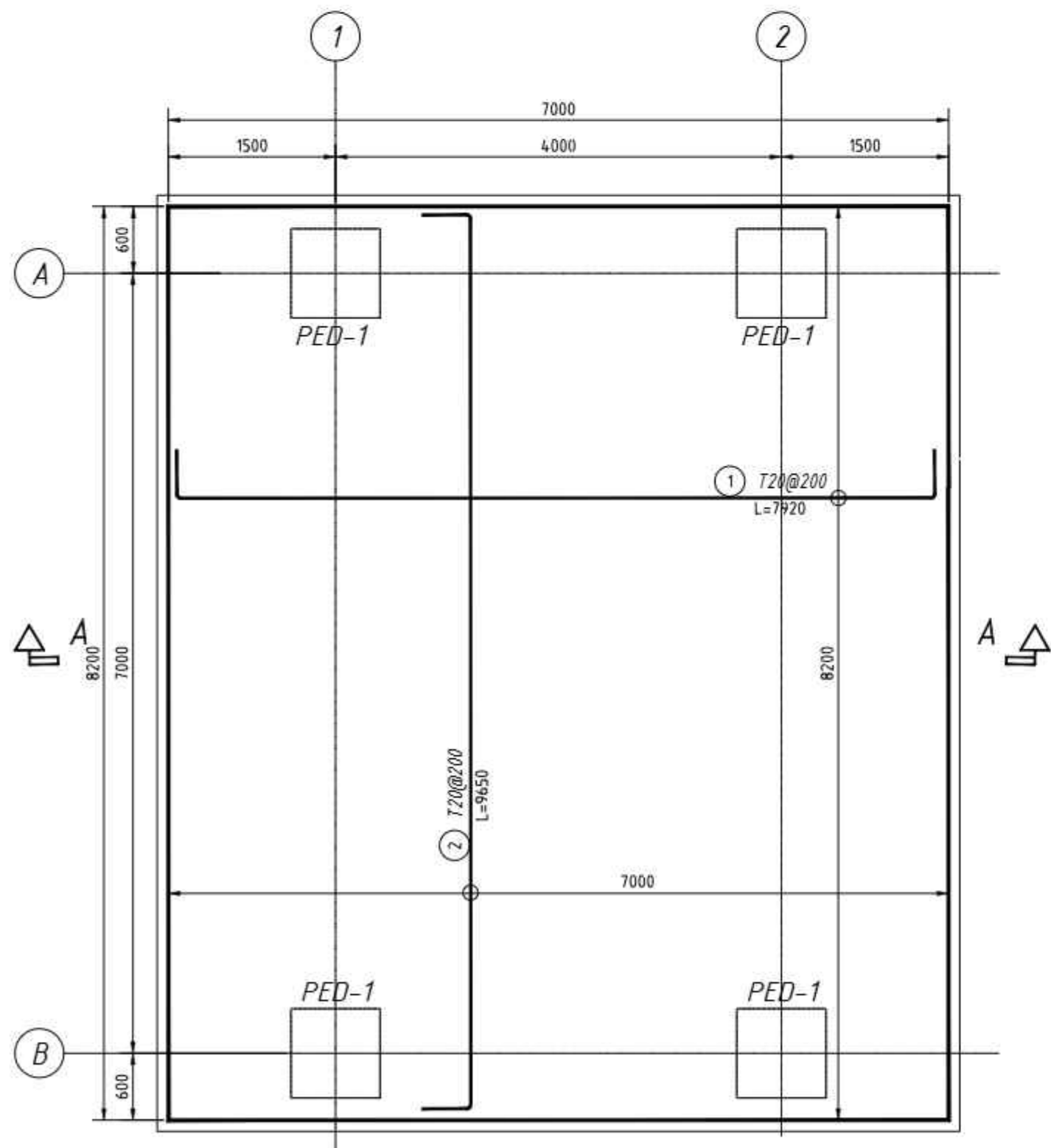


DISCIPLINE BIN02-FILE AND FOUNDATION DRAWINGS

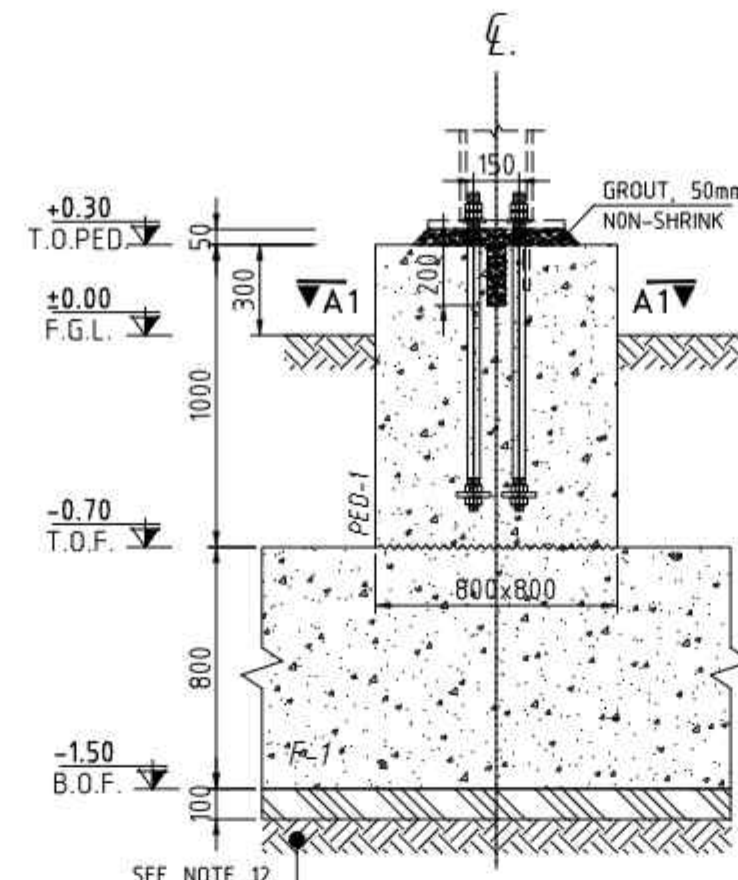
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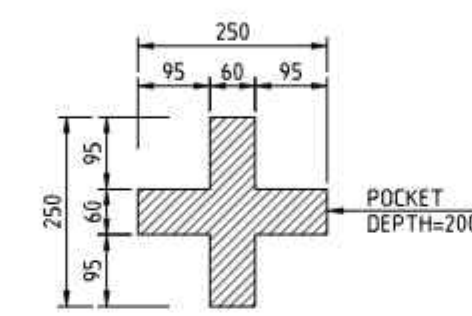
FOUNDATION PLAN
Sc: 1/50



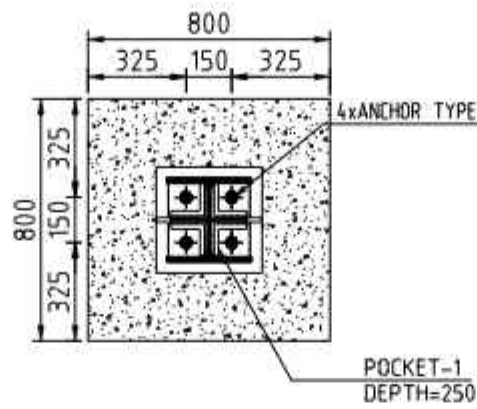
BOTTOM & TOP REINFORCEMENT PLAN OF FOUNDATION TYPE "F-1"
Sc: 1/50



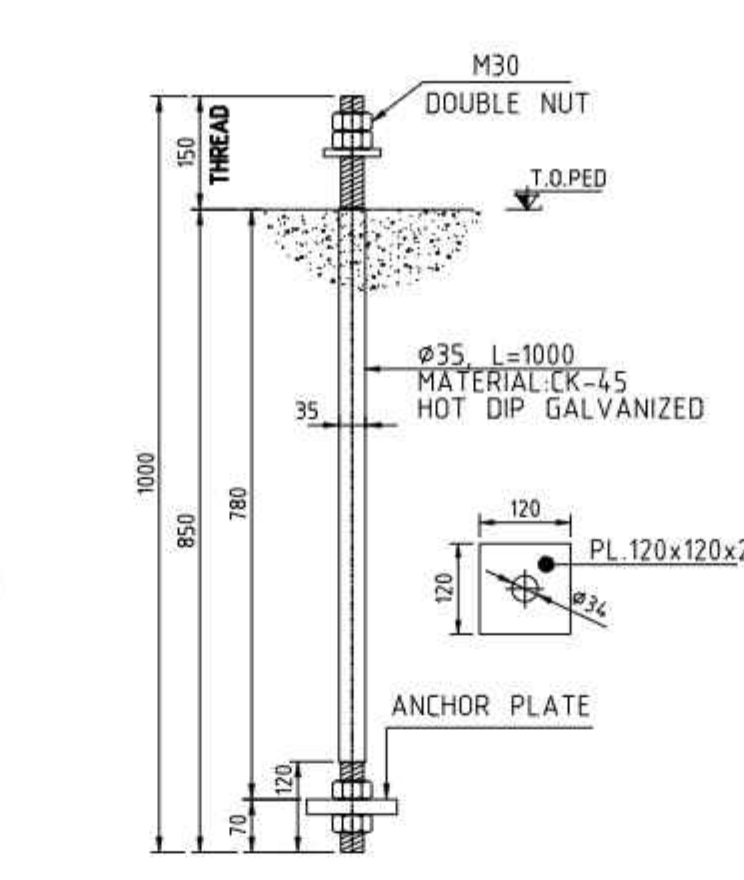
TYPICAL SECTION OF PED-1
Sc: 1/25 NO.=4



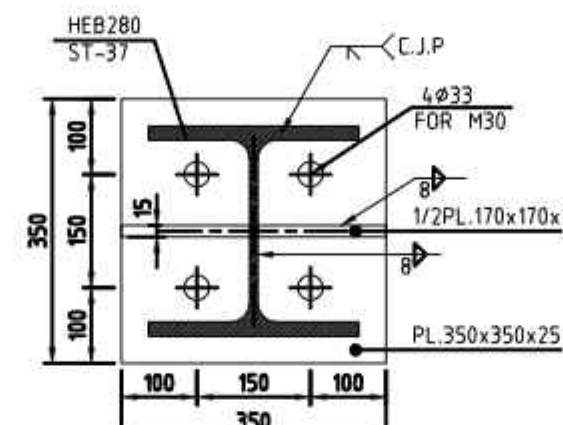
DETAIL OF POCKET-1
Sc: 1/10



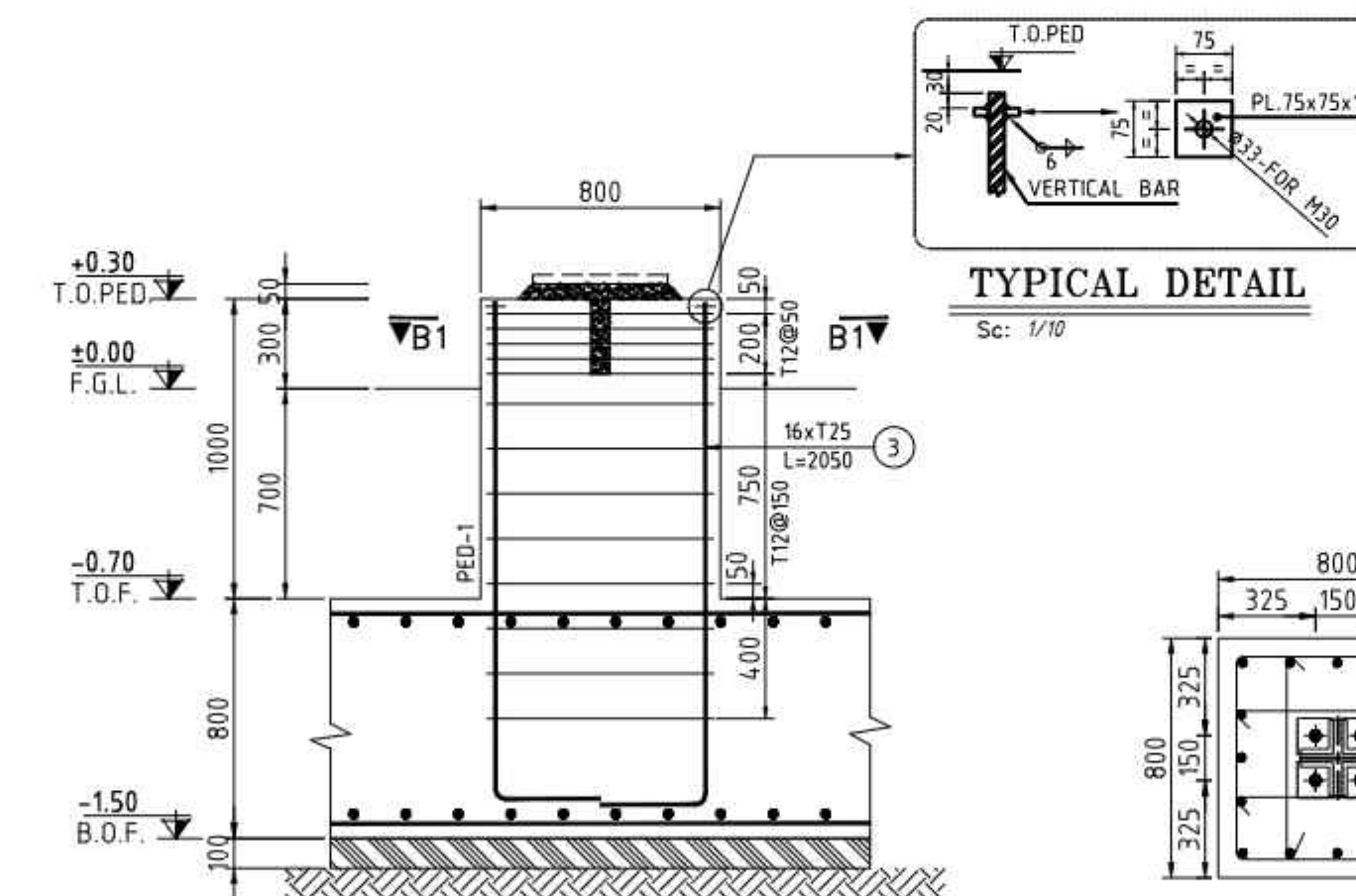
SECTION A1-A1
Sc: 1/25



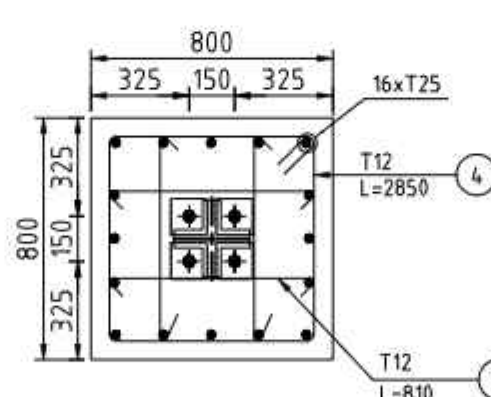
DETAIL OF ANCHOR BOLT TYPE-1
Sc: 1/10 NO.=16



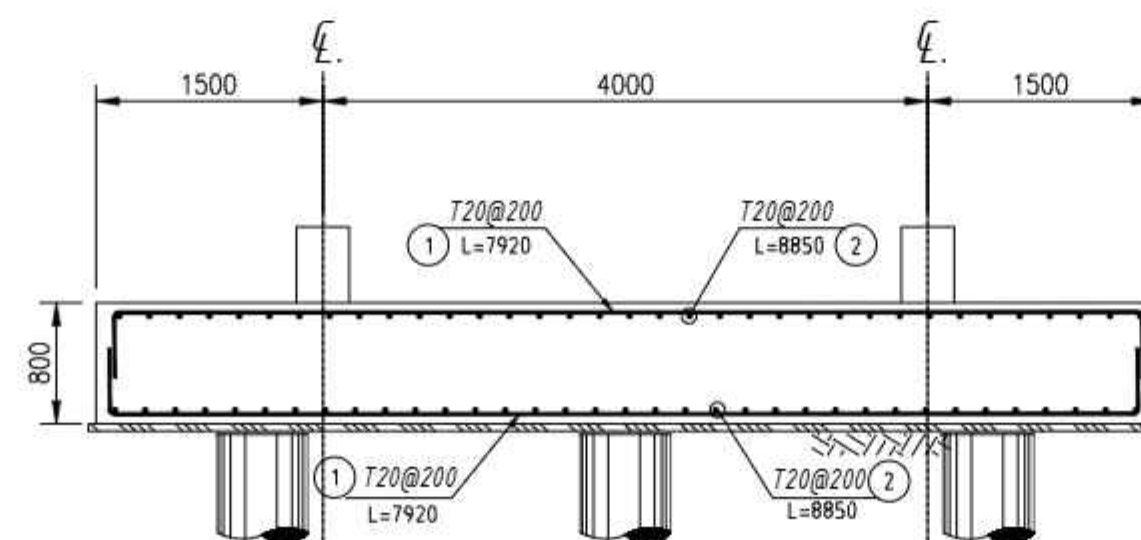
DETAIL OF BP-1
Sc: 1/10 SEE:SH-02



TYPICAL REINFORCEMENT SECTION OF PED-1
Sc: 1/25 NO.=4



SECTION B1-B1
Sc: 1/25



REINFORCEMENT - SECTION A-A
Sc: 1/50

PEDESTAL SCHEDULE

TYPE	SIZE (mm.)	QTY. (Pcs.)
PED.-1	800x800	6

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.
2. ALL THE ELEVATIONS ARE RELATED TO THE ±0.00 OF THE SITE.
3. ELEVATION OF ±0.00 IS EQUAL TO +12.20 OF THE SITE.
4. ALL STRUCTURAL CONCRETE SHALL BE OF STRENGTH C35, USING TYPE II CEMENT.
5. ALL CONCRETE SURFACES IN CONTACT WITH SOIL SHALL HAVE A MINIMUM COVER OF 75mm.
6. THE MINIMUM COVER FOR WALL AND SLAB IS 30mm AND FOR COLUMNS AND BEAMS IS 50 mm.

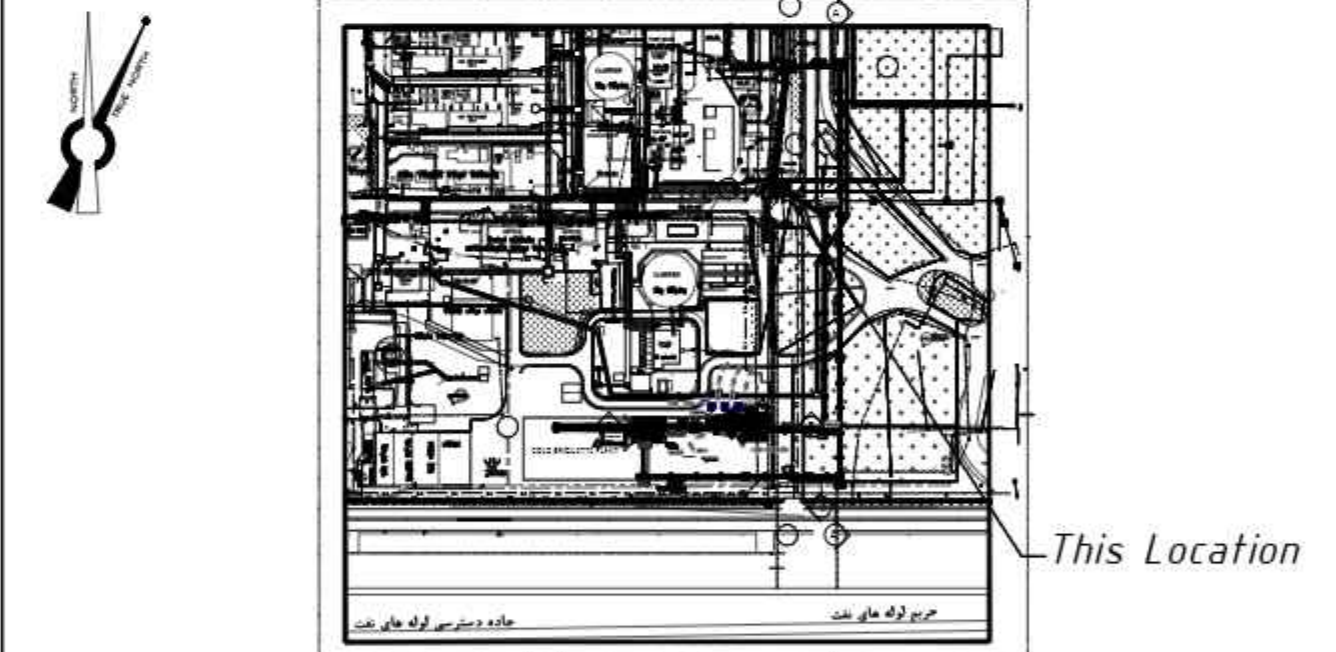
SPECIFIC NOTES

- 1- ALL DIMENSIONS ARE IN mm.
- 2- ALL ELEVATION AND CO-ORDINATES ARE IN METER.
- 3- CONTRACTOR SHALL USE STRUCTURAL DRAWINGS IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL AND SITE DRAWINGS PRIOR TO CONSTRUCTION COMMENCEMENT. ANY INCOMPATIBILITY BETWEEN MENTIONED DRAWINGS SHALL BE REPORTED AND SOLVED PRIOR TO CONSTRUCTION.
- 4- CONTRACTOR SHALL CHECK AND VERIFY DIMENSIONS AND ANY DISCREPANCY SHALL BE REPORTED BEFORE CONSTRUCTION COMMENCEMENT.
- 5- 28 DAY CHARACTERISTIC COMPRESSIVE STRENGTH OF CONCRETE IS 350 kg/cm ON CYLINDRICAL SPECIMEN UNLESS NOTED OTHERWISE.
- 6- LEAN CONCRETE SHALL HAVE MINIMUM CEMENT CONTENT OF 150 kg/m.
- 7- DEFORMED REINFORCEMENT BAR TYPE IS AS A-III WITH YIELD STRESS OF $F_y=4000$ kg/cm AND ULTIMATE STRESS OF 6000 kg/cm.
- 8- MATERIAL OF NUT IS AS HIGH STRENGTH GRADE (10.9) ACCORDING TO "EN 14399-4, HV" WITH $F_u=10000$ kg/cm.
- 9- MATERIAL OF ANCHOR PLATE IS ST-37 WITH YIELD STRESS OF $F_y=2400$ kg/cm UNLESS NOTED OTHERWISE.
- 10- CEMENT TO BE PORTLAND ACCORDING TO SOIL INVESTIGATION.
- 11- COVER FOR FOUNDATION AND PEDESTAL IS 60mm AND 75mm FOR THE PLACES THAT IS FACED WITH SOIL.
- 12- IF EXISTING SOIL UNDER FOUNDATION IS SEEN AS UNSUITABLE (REFILLED) SOIL, EXCAVATION UNDER FOUNDATIONS SHALL BE CONTINUED UP TO THE RELIABLE SOIL LAYER BASE ON EXPERT GEOTECHNICAL ENGINEER CONFIRMATION, THEN EXCAVATED REGION SHALL BE FILLED WITH MASS CONCRETE UP TO THE BOTTOM OF FOUNDATION.
- 13- WHEREVER "HOLD" SIGN IS INDICATED IN THIS DRAWING, IT MEANS THAT CONSTRUCTION IS NOT PERMITTED UNTIL THE HOLD SIGN IS REMOVED.
- 14- POCKETS SHALL BE FILLED WITH EXPANDABLE GROUT WHEN ERECTION OF STRUCTURE OR EQUIPMENT IS COMPLETED.

ABBREVIATIONS & LEGEND

B.O.L.C. : BOTTOM OF LEAN CONCRETE	NATURAL SOIL
F.F.L. : FINISH FLOOR	LEAN CONCRETE
CL : CENTER LINE	CONCRETE
F.G.L. : FINISH GROUND LEVEL	CENTER LINE
H.P.P. : HIGH POINT OF PAVING	
T.O.F. : TOP OF FOUNDATION	
B.O.F. : BOTTOM OF FOUNDATION	
T.O.PED. : TOP OF PEDESTAL	
T.O.C. : TOP OF CONCRETE	
T.O.W. : TOP OF WALL	
T.O.S. : TOP OF SLAB	
T.O.B. : TOP OF BEAM	
T.A.B. : TOP AND BOTTOM	
CONT. : CONTINUE BAR	
E.W. : EACH WAY	
E.F. : EACH FACE	
F.B. : FACE BAR	

KEY PLAN



REFERENCE DRAWINGS

DESCRIPTION	REF. NO.

COMMENT TABLE

☐ AP: "Approved": No comment and the document is released for construction/manufacturing
☐ APN: "Approve As Note": Contractor, Vendor, Sub-Contractor shall correct / revise and resubmit the document. The document can be released for construction/manufacturing if changes incorporated
☐ CO: "Commented": Contractor, Vendor, Sub-Contractor shall correct / revise and resubmit the document by the date specified.
☐ RE: "Reject": Contractor, Vendor, Sub-Contractor shall rework/re-design/respect the contents of the documents according to the comments/reasons for rejection. All corrected documents shall be resubmitted before starting the construction/manufacturing process.

	Date: _____
	Signature: _____

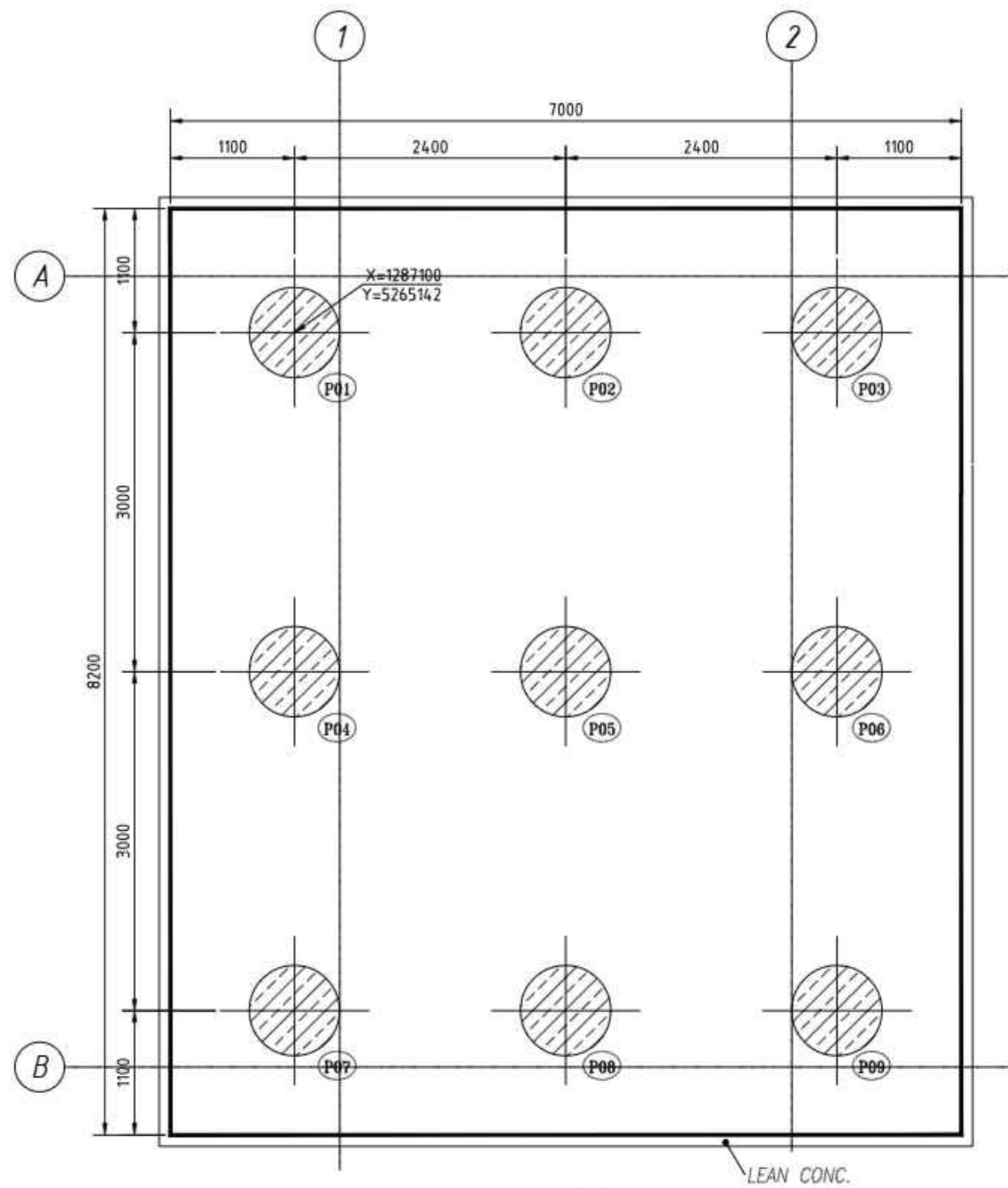
REVISION TABLE

REV.	Date	DESCRIPTION	Prepared	Checked	Approved by Contractor	Approved by Client
01	10.03.2025	IFC	M.K. Kazem	M. Zargaran	M. Bakht	EP
01	25.02.2025	IFR	N.A.	N.A.	E.S.H.	EP
00	30.11.2024	IFR	N.A.	N.A.	E.S.H.	EP

	PROJECT TITLE:	
	COLD BRIQUETTE SPONGE IRON PROJECT	

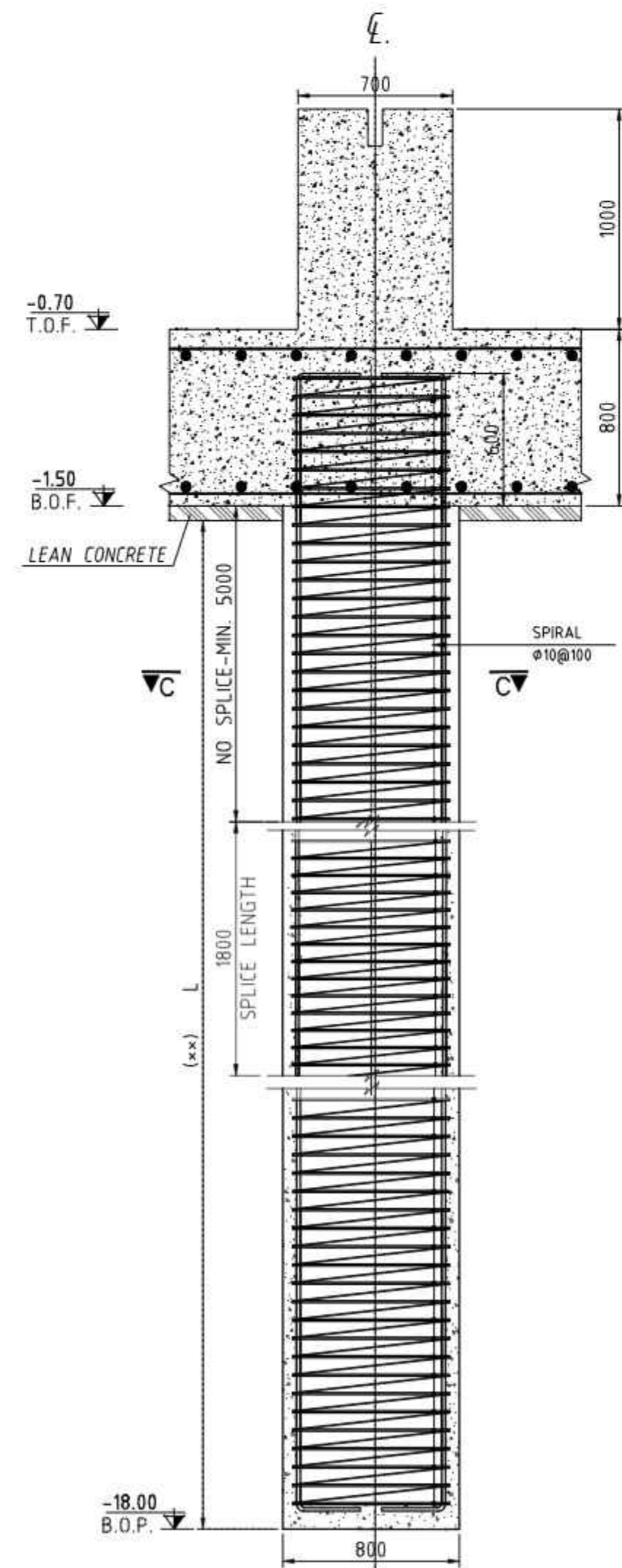
DOCUMENT DESCRIPTION:	Transfer Tower TT01-Pile and Foundation Drawings
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DOCUMENT NO.	4182CBSI-1H-ST-DW-450-13	REV.	SIZE	SCALE	SHEET NO.
		01	A1	1/50	04/4



PILING PLAN

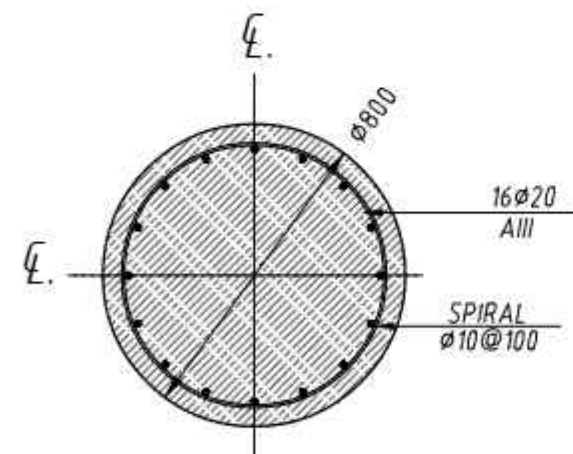
Sc: 1/50



PILE DETAIL

Sc: 1/25

xx THE FINAL LENGTH SHALL BE DETERMINED BY PDA RESULTS WITH GEOTECHNICAL CONTRACTOR RECOMMENDATIONS.

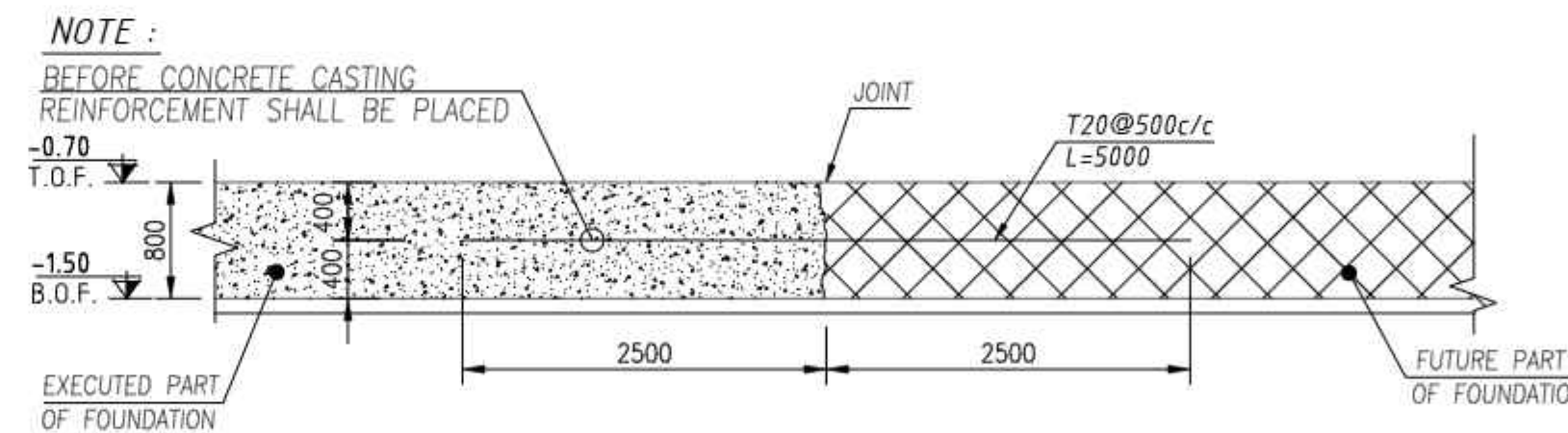


SECTION C-C

Sc: 1/20

PILE LEGEND				
TYP.	PILE MARKING	DIM.(mm)	LENGTH (m)	QTY.
1	P-01~09	800	18	09

PILE COORDINATION		
No.	X	Y
P01	1287100.0	5265142.0
P02	1289500.0	5265142.0
P03	1291900.0	5265142.0
P04	1287100.0	5262142.0
P05	1289500.0	5262142.0
P06	1291900.0	5262142.0
P07	1287100.0	5259142.0
P08	1289500.0	5259142.0
P09	1291900.0	5259142.0



TYPICAL CONSTRUCTION JOINT DETAIL

Sc: 1/50

ld				ldh			(OverLap)			
d	Beam & Foundation		Column & Wall	d	ldh	Minimum width of Column	d	Beam & Foundation		Column & Wall
mm	Bot rebar	Top rebar		mm	cm		mm	Bot rebar	Top rebar	
ø8	30.0 cm	40.0 cm	30.0 cm	ø8	15.0 cm	25.0 cm	ø8	40.0 cm	55.0 cm	40.0 cm
ø10	35.0 cm	50.0 cm	35.0 cm	ø10	15.0 cm	25.0 cm	ø10	50.0 cm	65.0 cm	50.0 cm
ø12	45.0 cm	55.0 cm	45.0 cm	ø12	20.0 cm	25.0 cm	ø12	60.0 cm	75.0 cm	60.0 cm
ø14	50.0 cm	65.0 cm	50.0 cm	ø14	20.0 cm	25.0 cm	ø14	65.0 cm	85.0 cm	65.0 cm
ø16	60.0 cm	75.0 cm	60.0 cm	ø16	25.0 cm	30.0 cm	ø16	80.0 cm	100.0 cm	80.0 cm
ø18	65.0 cm	85.0 cm	65.0 cm	ø18	25.0 cm	30.0 cm	ø18	85.0 cm	115.0 cm	85.0 cm
ø20	90.0 cm	115.0 cm	90.0 cm	ø20	30.0 cm	35.0 cm	ø20	120.0 cm	150.0 cm	120.0 cm
ø22	95.0 cm	125.0 cm	95.0 cm	ø22	30.0 cm	35.0 cm	ø22	125.0 cm	165.0 cm	125.0 cm
ø25	110.0 cm	140.0 cm	110.0 cm	ø25	40.0 cm	45.0 cm	ø25	145.0 cm	185.0 cm	145.0 cm
ø28	125.0 cm	160.0 cm	125.0 cm	ø28	45.0 cm	50.0 cm	ø28	165.0 cm	210.0 cm	165.0 cm
ø32	140.0 cm	180.0 cm	140.0 cm	ø32	55.0 cm	60.0 cm	ø32	185.0 cm	235.0 cm	185.0 cm

ACCORDING TO ACI 318-INBC 99 WITH C30 & S400

GENERAL NOTES

- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.
- ALL THE ELEVATIONS ARE RELATED TO THE +0.00 OF THE SITE.
- ELEVATION OF +0.00 IS EQUAL TO +12.20 OF THE SITE.
- ALL STRUCTURAL CONCRETE SHALL BE OF STRENGTH C35, USING TYPE II CEMENT.
- ALL CONCRETE SURFACES IN CONTACT WITH SOIL SHALL HAVE A MINIMUM COVER OF 75mm.
- THE MINIMUM COVER FOR WALL AND SLAB IS 30mm AND FOR COLUMNS AND BEAMS IS 50 mm.

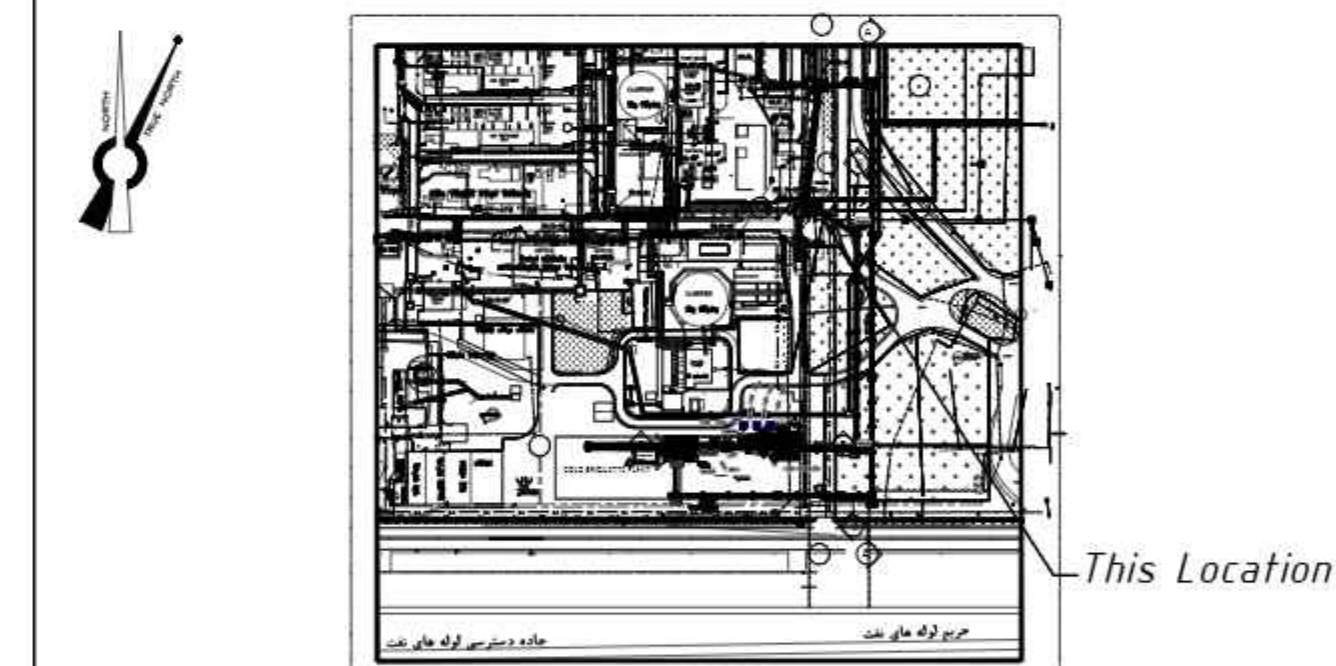
SPECIFIC NOTES

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- ALL ELEVATION AND CO-ORDINATES ARE IN METER.
- CONTRACTOR SHALL USE STRUCTURAL DRAWINGS IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL AND SITE DRAWINGS PRIOR TO CONSTRUCTION COMMENCEMENT. ANY INCOMPATIBILITY BETWEEN MENTIONED DRAWINGS SHALL BE REPORTED AND SOLVED PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL CHECK AND VERIFY DIMENSIONS AND ANY DISCREPANCY SHALL BE REPORTED BEFORE CONSTRUCTION COMMENCEMENT.
- 28 DAY CHARACTERISTIC COMPRESSIVE STRENGTH OF CONCRETE IS 350 Kg/cm ON CYLINDRICAL SPECIMEN UNLESS NOTED OTHERWISE.
- LEAN CONCRETE SHALL HAVE MINIMUM CEMENT CONTENT OF 150 kg/m.
- DEFORMED REINFORCEMENT BAR TYPE IS AS A-II WITH YIELD STRESS OF $F_y=4000$ kg/cm AND ULTIMATE STRESS OF 6000 kg/cm.
- MATERIAL OF NUT IS AS HIGH STRENGTH GRADE (10.9) ACCORDING TO "EN 14399-4, HV" WITH $F_u=10000$ kg/cm.
- MATERIAL OF ANCHOR PLATE IS ST-37 WITH YIELD STRESS OF $F_y=2400$ kg/cm UNLESS NOTED OTHERWISE.
- CEMENT TO BE PORTLAND ACCORDING TO SOIL INVESTIGATION.
- COVER FOR FOUNDATION AND PEDESTAL IS 60mm AND 75mm FOR THE PLACES THAT IS FACED WITH SOIL.
- IF EXISTING SOIL UNDER FOUNDATION IS SEEN AS UNSUITABLE (REFILLED) SOIL, EXCAVATION UNDER FOUNDATIONS SHALL BE CONTINUED UP TO THE RELIABLE SOIL LAYER BASE ON EXPERT GEOTECHNICAL ENGINEER CONFIRMATION, THEN EXCAVATED REGION SHALL BE FILLED WITH MASS CONCRETE UP TO THE BOTTOM OF FOUNDATION.
- WHEREVER "HOLD" SIGN IS INDICATED IN THIS DRAWING, IT MEANS THAT CONSTRUCTION IS NOT PERMITTED UNTIL THE HOLD SIGN IS REMOVED.
- POCKETS SHALL BE FILLED WITH EXPANDABLE GROUT WHEN ERECTION OF STRUCTURE OR EQUIPMENT IS COMPLETED.

ABBREVIATIONS & LEGEND

B.O.C. : BOTTOM OF LEAN CONCRETE		NATURAL SOIL
F.F.L. : FINISH FLOOR		LEAN CONCRETE
CL : CENTER LINE		CONCRETE
F.G.L. : FINISH GROUND LEVEL		CENTER LINE
H.P.P. : HIGH POINT OF PAVING		
T.O.F. : TOP OF FOUNDATION		
B.O.F. : BOTTOM OF FOUNDATION		
T.O.P.E.D. : TOP OF PEDESTAL		
T.O.C. : TOP OF CONCRETE		
T.O.W. : TOP OF WALL		
T.O.S. : TOP OF SLAB		
T.O.B. : TOP OF BEAM		
T.A.B. : TOP AND BOTTOM		
CONT. : CONTINUE BAR		
E.W. : EACH WAY		
E.F. : EACH FACE		
F.B. : FACE BAR		

KEY PLAN



REFERENCE DRAWINGS

DESCRIPTION	REF. NO.

COMMENT TABLE

☐ AP: "Approved": No comment and the document is released for construction/manufacturing
☐ APN: "Approve As Note": Contractor, Vendor, Sub-Contractor shall correct / revise and resubmit the document. The document can be released for construction/manufacturing if changes incorporated
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☐ RE: "Reject": Contractor, Vendor, Sub-Contractor shall rework/re-design/respect the contents of the documents according to the comments/reasons for rejection. All corrected documents shall be resubmitted before starting the construction/manufacturing process.

	Date:	Signature:
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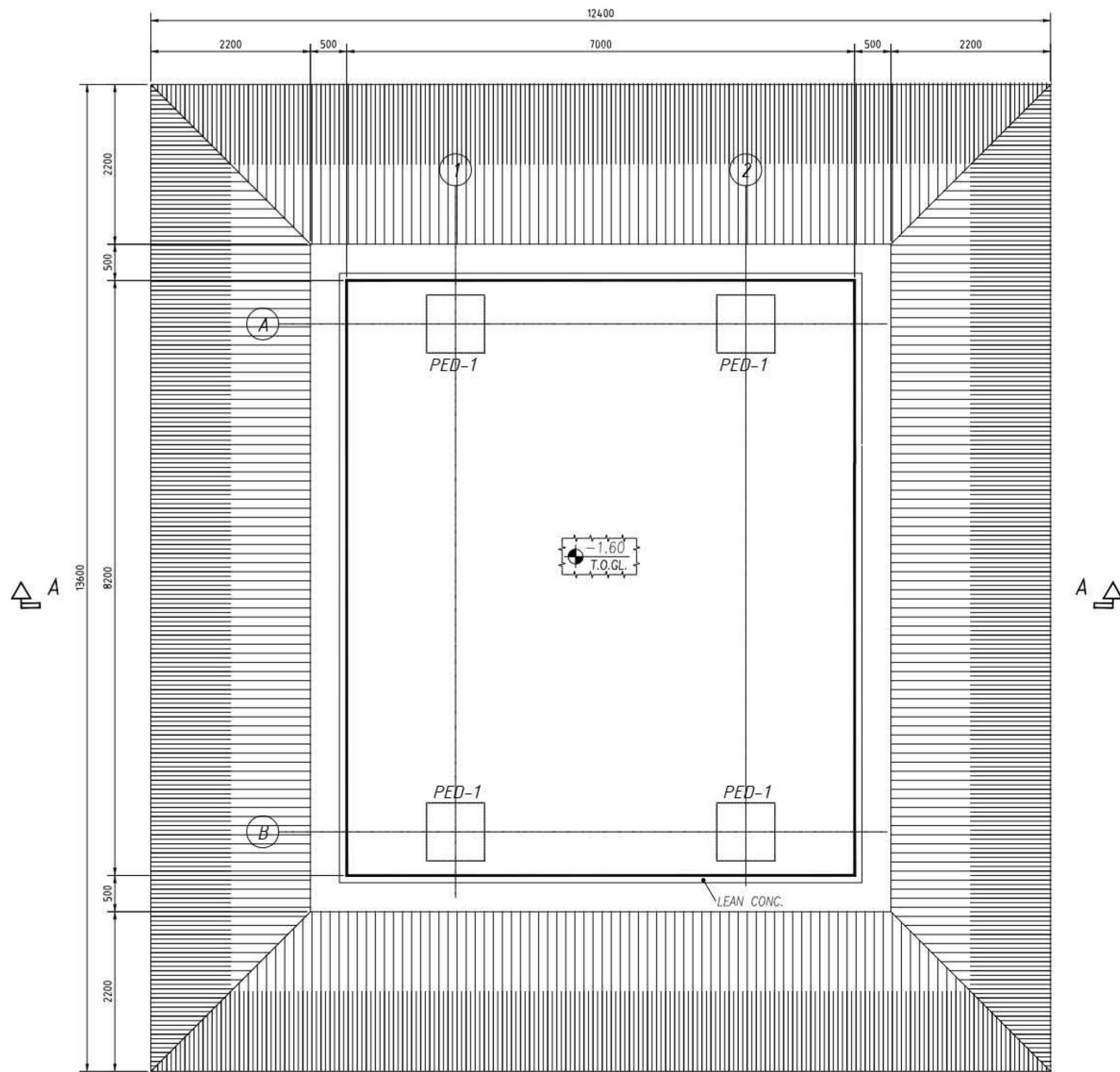
REVISION TABLE

REV.	Date	POI	Prepared	Checked	Approved by Contractor	Approved by Client
01	10.03.2025	IFC	MK Kazem	M Zargaran	M Bakht	EP
01	25.02.2025	IFR	N.A.	N.A.	E.S.H.	EP
00	30.11.2024	IFR	N.A.	N.A.	E.S.H.	EP

	PROJECT TITLE:	
	COLD BRIQUETTE SPONGE IRON PROJECT	

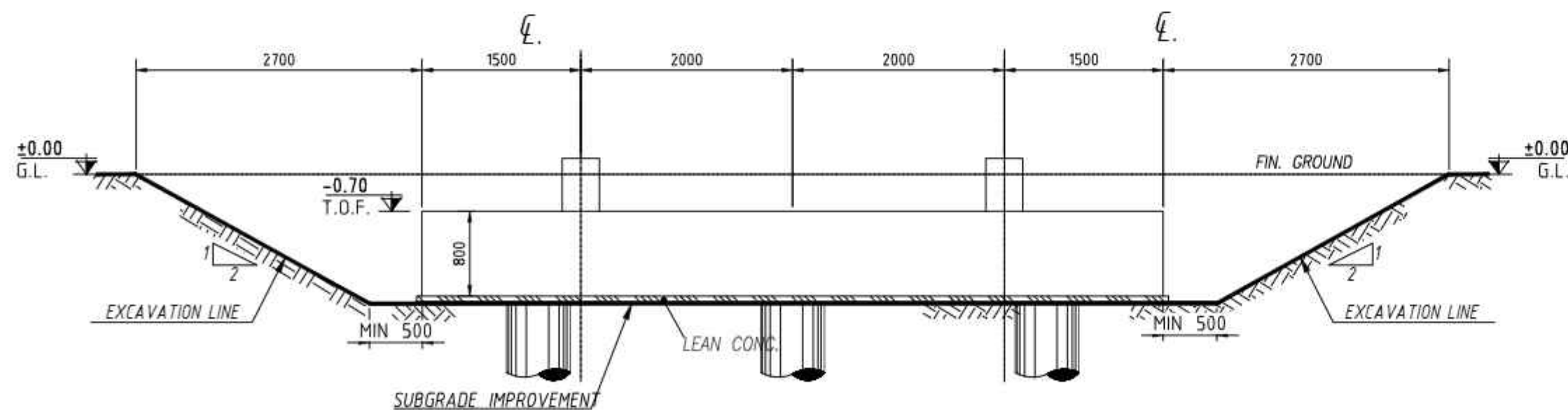
DOCUMENT DESCRIPTION:	Transfer Tower TT01-Pile and Foundation Drawings
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DOCUMENT NO.	4182CBSI-1H-ST-DW-450-13	REV.	SIZE	SCALE	SHEET NO.
		01	A1	1/50	03/4



EXCAVATION PLAN

Sc: 1/50



SECTION A-A

Sc: 1/50

* CEMENTED SAND LAYER SHALL BE EXTENDED BETWEEN AXIS INSIDE THE STRUCTURE AND AROUND FOUNDATIONS.
THICKNESS OF THIS LAYER SHALL BE FINALIZED BY GEOTECHNICAL CONTRACTOR.

GENERAL NOTES

- 1- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.
- 2- ALL THE ELEVATIONS ARE RELATED TO THE +0.00 OF THE SITE.
- 3- ELEVATION OF +0.00 IS EQUAL TO +12.20 OF THE SITE.
- 4- ALL STRUCTURAL CONCRETE SHALL BE OF STRENGTH C35, USING TYPE II CEMENT.
- 5- ALL CONCRETE SURFACES IN CONTACT WITH SOIL SHALL HAVE A MINIMUM COVER OF 75mm.
- 6- THE MINIMUM COVER FOR WALL AND SLAB IS 30mm AND FOR COLUMNS AND BEAMS IS 50 mm

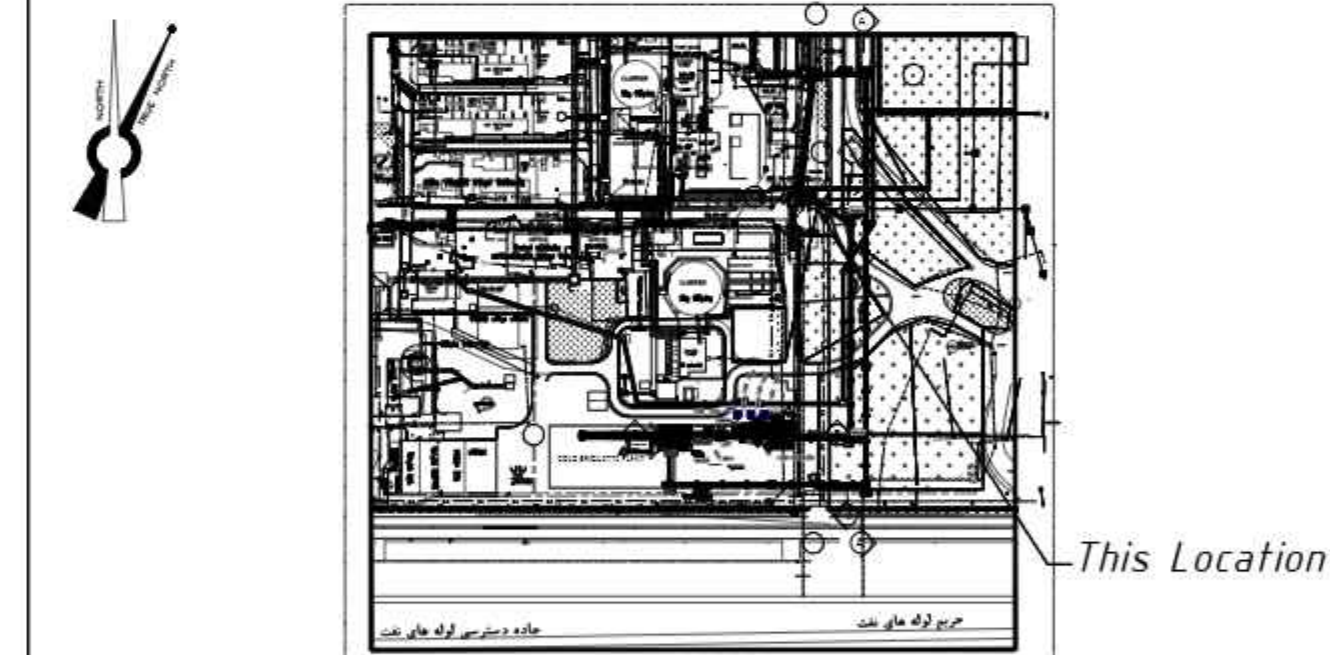
SPECIFIC NOTES

- 1- ALL DIMENSIONS ARE IN mm.
- 2- ALL ELEVATION AND CO-ORDINATES ARE IN METER.
- 3- CONTRACTOR SHALL USE STRUCTURAL DRAWINGS IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL AND SITE DRAWINGS PRIOR TO CONSTRUCTION COMMENCEMENT. ANY INCOMPATIBILITY BETWEEN MENTIONED DRAWINGS SHALL BE REPORTED AND SOLVED PRIOR TO CONSTRUCTION.
- 4- CONTRACTOR SHALL CHECK AND VERIFY DIMENSIONS AND ANY DISCREPANCY SHALL BE REPORTED BEFORE CONSTRUCTION COMMENCEMENT.
- 5- 28 DAY CHARACTERISTIC COMPRESSIVE STRENGTH OF CONCRETE IS 350 Kg/cm ON CYLINDRICAL SPECIMEN UNLESS NOTED OTHERWISE.
- 6- LEAN CONCRETE SHALL HAVE MINIMUM CEMENT CONTENT OF 150 kg/m.
- 7- DEFORMED REINFORCEMENT BAR TYPE IS AS A-III WITH YIELD STRESS OF $F_y=4000$ kg/cm AND ULTIMATE STRESS OF 6000 kg/cm.
- 8- MATERIAL OF NUT IS AS HIGH STRENGTH GRADE (10.9) ACCORDING TO "EN 14399-4, HV" WITH $F_u=10000$ kg/cm.
- 9- MATERIAL OF ANCHOR PLATE IS ST-37 WITH YIELD STRESS OF $F_y=2400$ kg/cm UNLESS NOTED OTHERWISE.
- 10- CEMENT TO BE PORTLAND ACCORDING TO SOIL INVESTIGATION.
- 11- COVER FOR FOUNDATION AND PEDESTAL IS 60mm AND 75mm FOR THE PLACES THAT IS FACED WITH SOIL.
- 12- IF EXISTING SOIL UNDER FOUNDATION IS SEEN AS UNSUITABLE (REFILLED) SOIL, EXCAVATION UNDER FOUNDATIONS SHALL BE CONTINUED UP TO THE RELIABLE SOIL LAYER BASE ON EXPERT GEOTECHNICAL ENGINEER CONFIRMATION, THEN EXCAVATED REGION SHALL BE FILLED WITH MASS CONCRETE UP TO THE BOTTOM OF FOUNDATION.
- 13- WHEREVER "HOLD" SIGN IS INDICATED IN THIS DRAWING, IT MEANS THAT CONSTRUCTION IS NOT PERMITTED UNTIL THE HOLD SIGN IS REMOVED.
- 14- POCKETS SHALL BE FILLED WITH EXPANDABLE GROUT WHEN ERECTION OF STRUCTURE OR EQUIPMENT IS COMPLETED.

ABBREVIATIONS & LEGEND

B.O.L.C. : BOTTOM OF LEAN CONCRETE		NATURAL SOIL
F.F.L. : FINISH FLOOR		LEAN CONCRETE
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F.G.L. : FINISH GROUND LEVEL		CENTER LINE
H.P.P. : HIGH POINT OF PAVING		
T.O.F. : TOP OF FOUNDATION		
B.O.F. : BOTTOM OF FOUNDATION		
T.O.P.E.D. : TOP OF PEDESTAL		
T.O.C. : TOP OF CONCRETE		
T.O.W. : TOP OF WALL		
T.O.S. : TOP OF SLAB		
T.O.B. : TOP OF BEAM		
T.A.B. : TOP AND BOTTOM		
CONT. : CONTINUE BAR		
E.W. : EACH WAY		
E.F. : EACH FACE		
F.B. : FACE BAR		

KEY PLAN



REFERENCE DRAWINGS

DESCRIPTION	REF. NO.

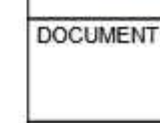
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	Date:
	Signature:

REVISION TABLE

REV.	Date	Prepared	Checked	Approved by Contractor	Approved by Client
01	10.03.2025	IFC	M.K. Kazemi	M. Zargaran	M. Bakhti
01	25.02.2025	IFR	N.A.	N.A.	E.S.H.
00	30.11.2024	IFR	N.A.	N.A.	E.S.H.

	PROJECT TITLE:
	COLD BRIQUETTE SPONGE IRON PROJECT

DOCUMENT DESCRIPTION:	Transfer Tower TT01-Pile and Foundation Drawings
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DOCUMENT NO.	4152CBSI-1H-ST-DW-450-13	REV.	01	SIZE	A1	SCALE	1/50	SHEET NO.	02 / 4
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GENERAL NOTES

1. ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE.
2. ALL DIMENSIONS SHALL BE TO THE FACE UNLESS NOTED OTHERWISE.
3. ELEVATION OF +0.00 IS EQUAL TO +2.20m OF THE SITE.
4. ALL STRUCTURAL CONCRETE SHALL BE OF STRENGTH C35 USING TYPE II CEMENT.
5. ALL CONCRETE SURFACES IN CONTACT WITH SOIL SHALL HAVE A MINIMUM COVER OF 75mm.
6. THE MINIMUM COVER FOR WALL AND SLAB IS 50mm AND FOR COLUMNS AND BEAMS IS 30 mm.

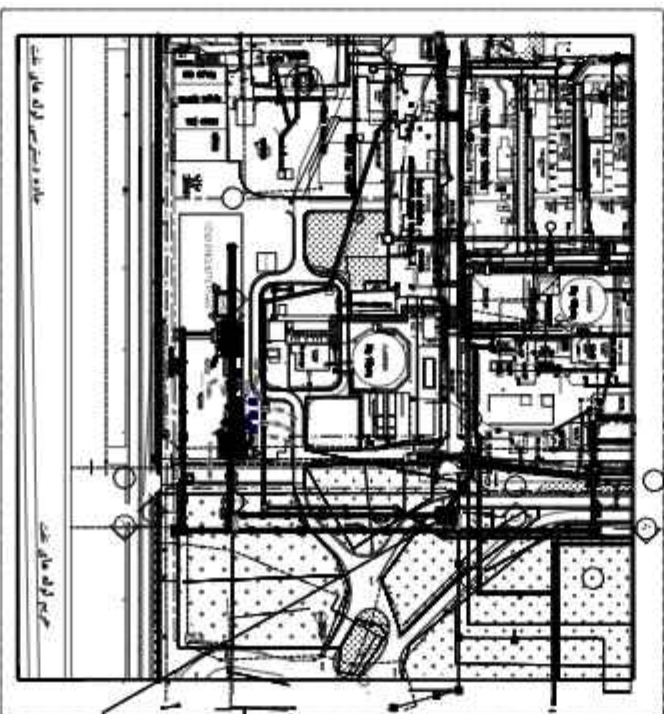
SPECIFIC NOTES

- 1- ALL DIMENSIONS ARE IN mm
- 2- ALL ELEVATION AND CO-ORDINATES ARE IN METERS
- 3- CONTRACTOR SHALL USE STRUCTURAL DRAWINGS IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL AND SITE DRAWINGS PRIOR TO CONSTRUCTION COMMENCEMENT. ANY INCOMPATIBILITY BETWEEN MENTIONED DRAWINGS SHALL BE REPORTED AND SOLVED PRIOR TO CONSTRUCTION.
- 4- CONTRACTOR SHALL CHECK AND VERIFY DIMENSIONS AND ANY DISCREPANCY SHALL BE REPORTED BEFORE CONSTRUCTION COMMENCEMENT.
- 5- 28 DAY CHARACTERISTIC COMPRESSIVE STRENGTH OF CONCRETE IS 350 kg/cm ON CYLINDRICAL SPECIMEN UNLESS NOTED OTHERWISE.
- 6- LEAN CONCRETE SHALL HAVE MINIMUM CEMENT CONTENT OF 50 kg/m³.
- 7- REINFORCED REINFORCEMENT BAR TYPE IS AS A-III WITH YIELD STRESS OF F_y=4000 kg/cm AND ULTIMATE STRESS OF 6800 kg/cm².
- 8- MATERIAL OF WIT IS AS HIGH STRENGTH GRADE (18.9) ACCORDING TO EN 14397-4, HV" WITH F_{cu}=8000 kg/cm².
- 9- MATERIAL OF ANCHOR PLATE IS ST-37 WITH YIELD STRESS OF F_y=2400 kg/cm UNLESS NOTED OTHERWISE.
- 10- CEMENT TO BE PORTLAND ACCORDING TO SOIL INVESTIGATION.
- 11- COVER FOR FOUNDATION AND PERISTAL IS 50mm AND 75mm FOR THE PLATES THAT IS FACED WITH SOIL.
- 12- EXISTING SOIL UNDER FOUNDATION IS SEEN AS UNSUITABLE (REFILLED SOIL, EXCAVATION UNDER FOUNDATIONS SHALL BE CONTINUED UP TO THE RELIABLE SOIL LAYER BASE ON EXPERT GEOTECHNICAL ENGINEER CONSERVATION, THEN EXCAVATED REGION SHALL BE FILLED WITH MASS CONCRETE UP TO THE BOTTOM OF FOUNDATION.
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ABBREVIATIONS & LEGEND

B.O.C :	BOTTOM OF LEAN CONCRETE	
F.F.L :	FINISH FLOOR	
C.L :	CENTER LINE	
F.F.L :	FINISH FLOOR	
H.P.P :	HIGH POINT OF PAVING	
T.O.F :	TOP OF FOUNDATION	
B.O.F :	BOTTOM OF FOUNDATION	
T.O.P :	TOP OF PERISTAL	
T.O.C :	TOP OF CONCRETE	
T.O.W :	TOP OF WALL	
T.O.S :	TOP OF SLAB	
T.A.B :	TOP AND BOTTOM	
C.O.W :	CONTINUE BAR	
E.W :	EACH WAY	
E.F :	EACH FACE	
F.B :	FACE BAR	

KEY PLAN



REFERENCE DRAWINGS

DESCRIPTION	REF. NO.
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COMMENT TABLE

AP:	Approved to commit and the document is released for construction/manufacturing
CP:	Approved to commit and the document is released for construction/manufacturing
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REVISION TABLE

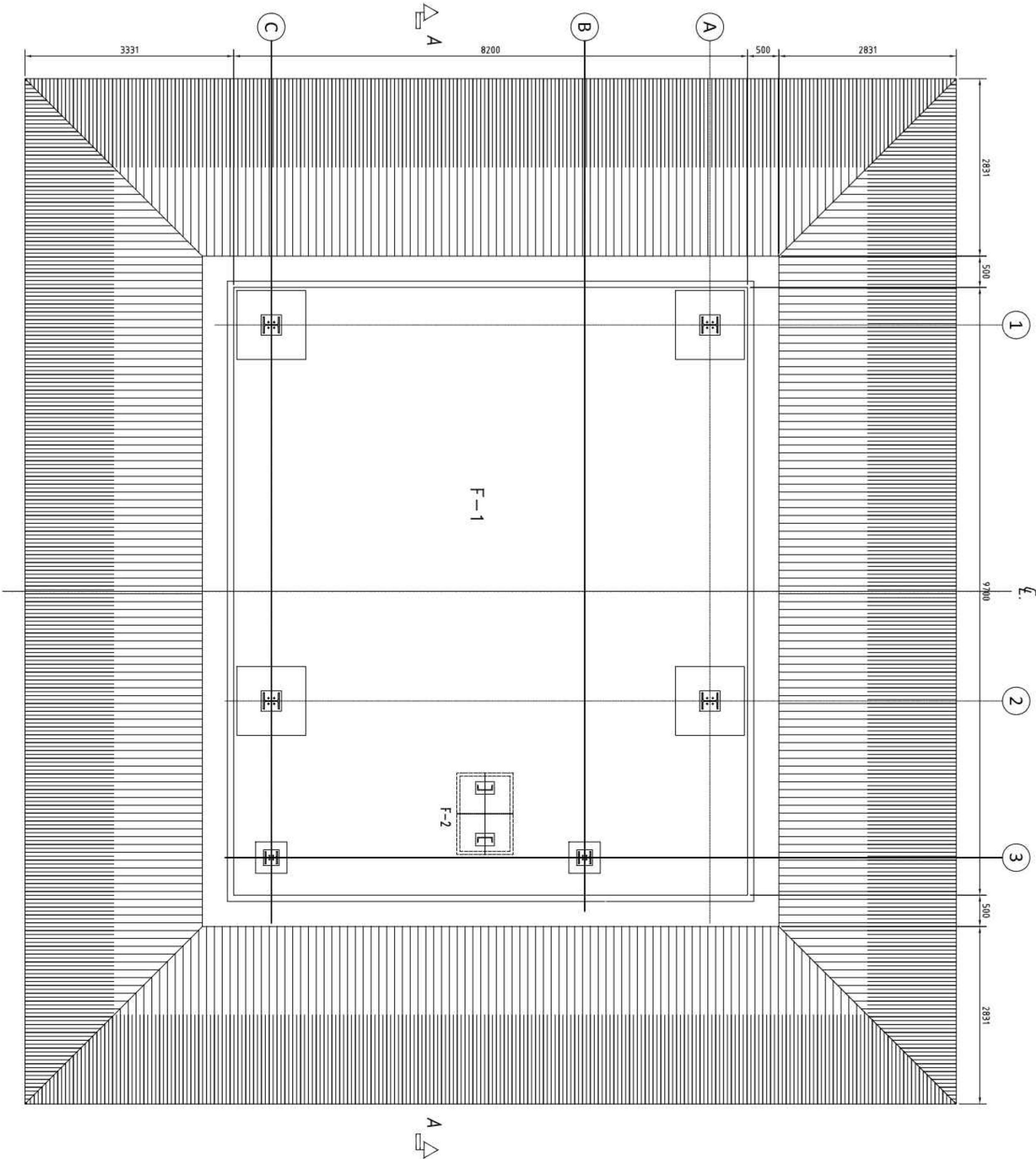
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02	17.02.2025	IFR	N.A.	N.A.	E.S.H	E.P
01	12.01.2025	IFR	N.A.	N.A.	E.S.H	E.P
00	08.11.2024	IFR	N.A.	N.A.	E.S.H	E.P

PROJECT TITLE: COLD BRIQUETTE SPONGE IRON PROJECT

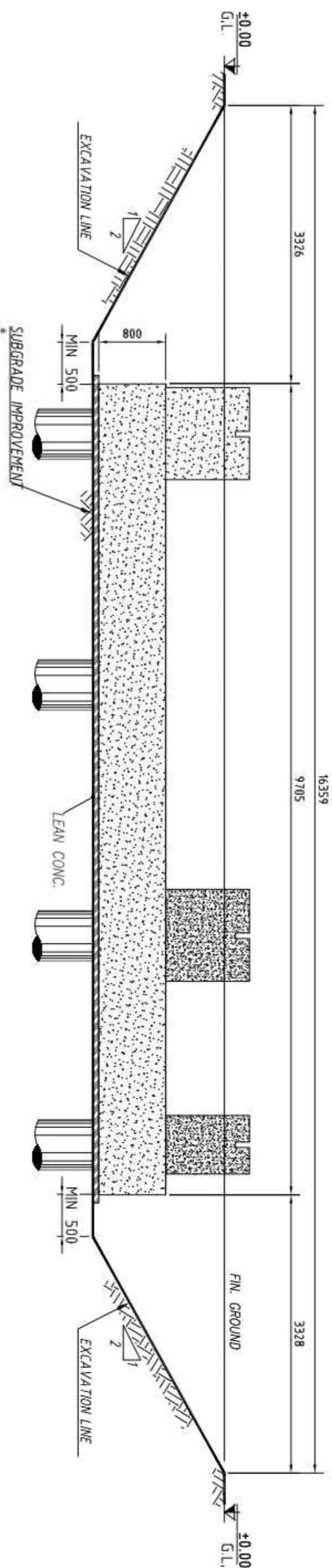
DOCUMENT DESCRIPTION:

TRANSFER TOWER TT03-PILE AND FOUNDATION DRAWINGS

DOCUMENT NO.	REV.	SIZE	SCALE	SHEET NO.
4151CASH-IHST-DW-450-17	02	A1	1/50	2/15



EXCAVATION PLAN
Sc: 1/50



SECTION A-A
Sc: 1/50

* CEMENTED SAND LAYER SHALL BE EXTENDED BETWEEN AXIS INSIDE THE STRUCTURE AND AROUND FOUNDATIONS
THICKNESS OF THIS LAYER SHALL BE FINALIZED BY GEOTECHNICAL CONTRACTOR

GENERAL NOTES

1. ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE.
2. ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE.
3. ELEVATION OF -10.00 IS EQUAL TO +12.00M OF THE SITE.
4. ALL STRUCTURAL CONCRETE SHALL BE OF STRENGTH C30 USING TYPE II CEMENT.
5. ALL CONCRETE SURFACES IN CONTACT WITH SOIL SHALL HAVE A MINIMUM COVER OF 75mm.
6. THE MINIMUM COVER FOR WALL AND SLAB IS 50mm AND FOR COLUMNS AND BEAMS IS 30 mm.

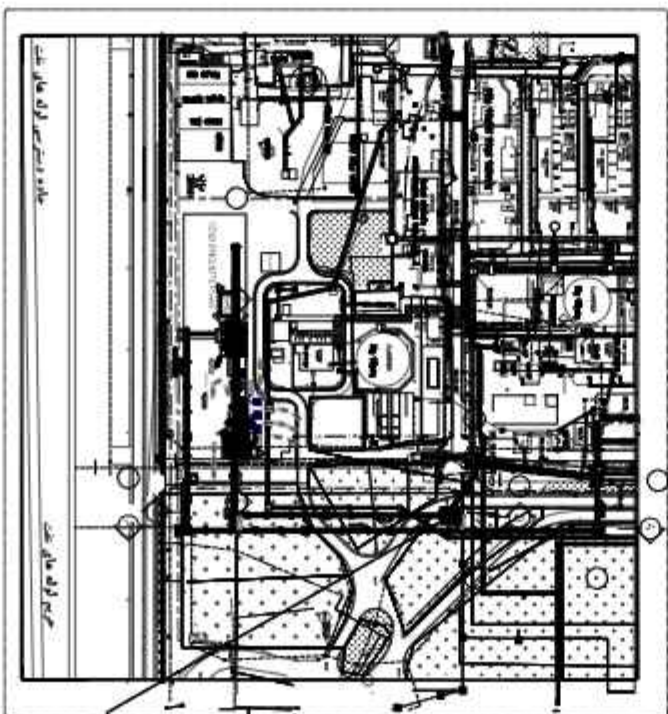
SPECIFIC NOTES

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- 5- 28 DAY CHARACTERISTIC COMPRESSIVE STRENGTH OF CONCRETE IS 300 kg/cm ON CYLINDRICAL SPECIMEN UNLESS NOTED OTHERWISE.
- 6- LEAN CONCRETE SHALL HAVE MINIMUM CEMENT CONTENT OF 50 kg/m³.
- 7- REINFORCED REINFORCEMENT BAR TYPE IS AS A-III WITH YIELD STRESS OF $F_y=4000$ kg/cm AND ULTIMATE STRESS OF 6000 kg/cm².
- 8- MATERIAL OF WIRE IS AS HIGH STRENGTH GRADE (B9) ACCORDING TO EN 14399-4, WIRE WITH $F_{u=1000}$ kg/cm.
- 9- MATERIAL OF ANCHOR PLATE IS ST-37 WITH YIELD STRESS OF $F_y=2400$ kg/cm UNLESS NOTED OTHERWISE.
- 10- CEMENT TO BE PORTLAND ACCORDING TO SOIL INVESTIGATION.
- 11- COVER FOR FOUNDATION AND PERISTAL IS 50mm AND 75mm FOR THE PLATES THAT IS FACED WITH SOIL.
- 12- IF EXISTING SOIL UNDER FOUNDATION IS SEEN AS UNSUITABLE (REFILLED SOIL, EXCAVATION UNDER FOUNDATIONS SHALL BE CONTINUED UP TO THE RELIABLE SOIL LAYER BASE ON EXPERT GEOTECHNICAL ENGINEER CONSERVATION, THEN EXCAVATED REGION SHALL BE FILLED WITH MASS CONCRETE UP TO THE BOTTOM OF FOUNDATION.
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ABBREVIATIONS & LEGEND

B.O.C.F. :	BOTTOM OF LEAN CONCRETE
F.F.L. :	FINISH FLOOR
C.L. :	CENTER LINE
F.F.L. :	FINISH GROUND LEVEL
H.P.P. :	HIGH POINT OF PAVING
T.O.F. :	TOP OF FOUNDATION
B.O.F. :	BOTTOM OF FOUNDATION
T.O.P.E.S. :	TOP OF RECESSED
T.O.C. :	TOP OF CONCRETE
T.O.W. :	TOP OF WALL
T.O.S. :	TOP OF SLAB
T.A.B. :	TOP AND BOTTOM
E.W. :	EACH WAY
E.F. :	EACH FACE
F.A. :	FACE BAR

KEY PLAN



REFERENCE DRAWINGS

REF. NO.

DESCRIPTION

COMMENT TABLE

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☐	RE- "Rejected": Contractor/ Vendor/ Sub-Contractor shall resubmit/revise/modify the document and documents shall be resubmitted before starting the construction/manufacturing process.

Date	Signature	Date	Signature
23.02.2025	APPROVED BY: M. BAHAT	23.02.2025	APPROVED BY: M. BAHAT
17.02.2025	APPROVED BY: M. BAHAT	17.02.2025	APPROVED BY: M. BAHAT
12.01.2025	APPROVED BY: M. BAHAT	12.01.2025	APPROVED BY: M. BAHAT
08.11.2024	APPROVED BY: M. BAHAT	08.11.2024	APPROVED BY: M. BAHAT

REVISION TABLE

REV.	Date	Description	By	Check	Approved By
02	23.02.2025	APPROVED BY: M. BAHAT	M. BAHAT		E.P.
01	17.02.2025	APPROVED BY: M. BAHAT	M. BAHAT		E.P.
00	12.01.2025	APPROVED BY: M. BAHAT	M. BAHAT		E.P.
REV.	Date	Description	By	Check	Approved By
		APPROVED BY: M. BAHAT	M. BAHAT		E.P.

PROJECT TITLE: COLD BRIQUETTE SPONGE IRON PROJECT

DOCUMENT DESCRIPTION:

TRANSPER TOWER TT03-PILE AND FOUNDATION DRAWINGS

DOCUMENT NO.

415X25X115X20X45X17

REV. NO.

02

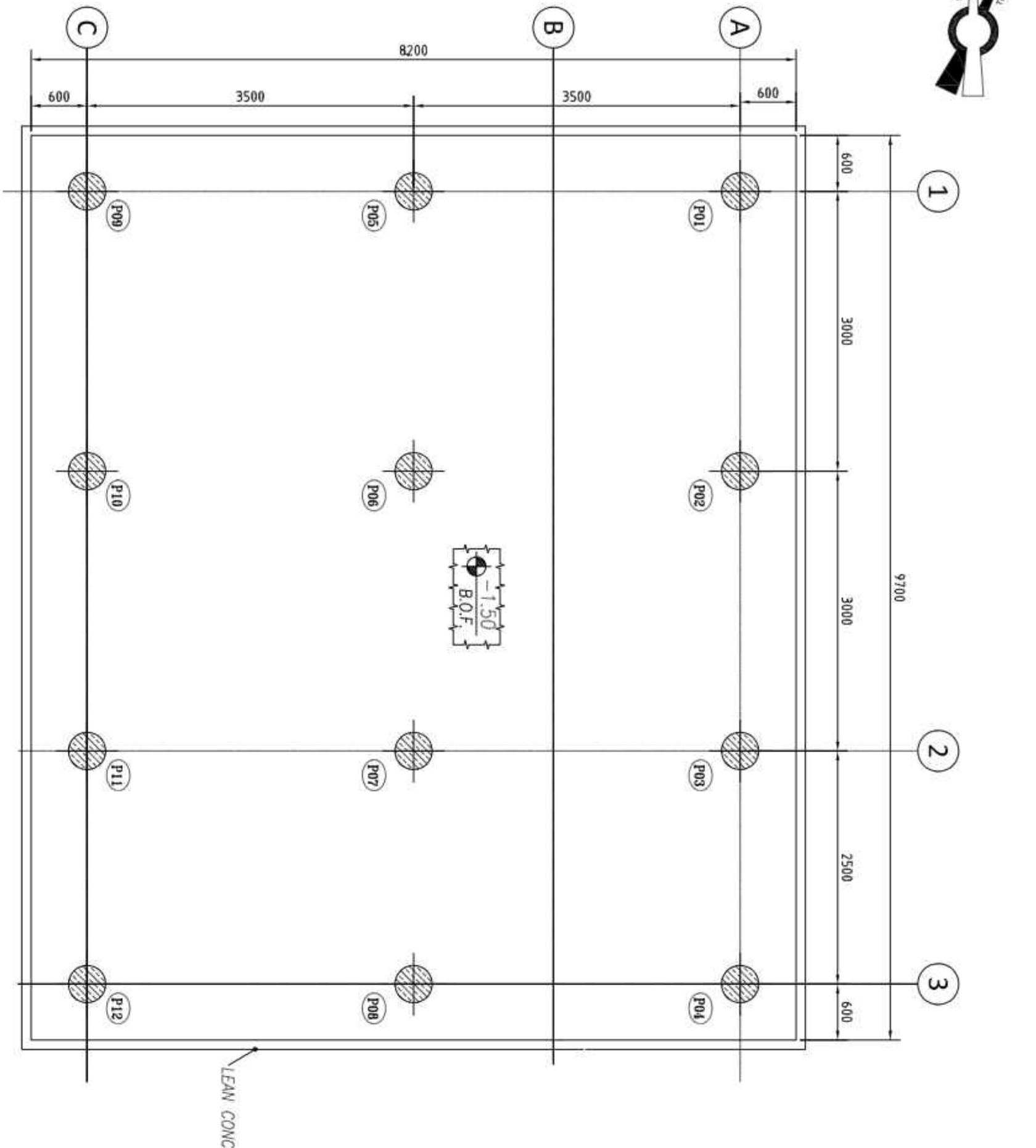
AT

10/08

3/15

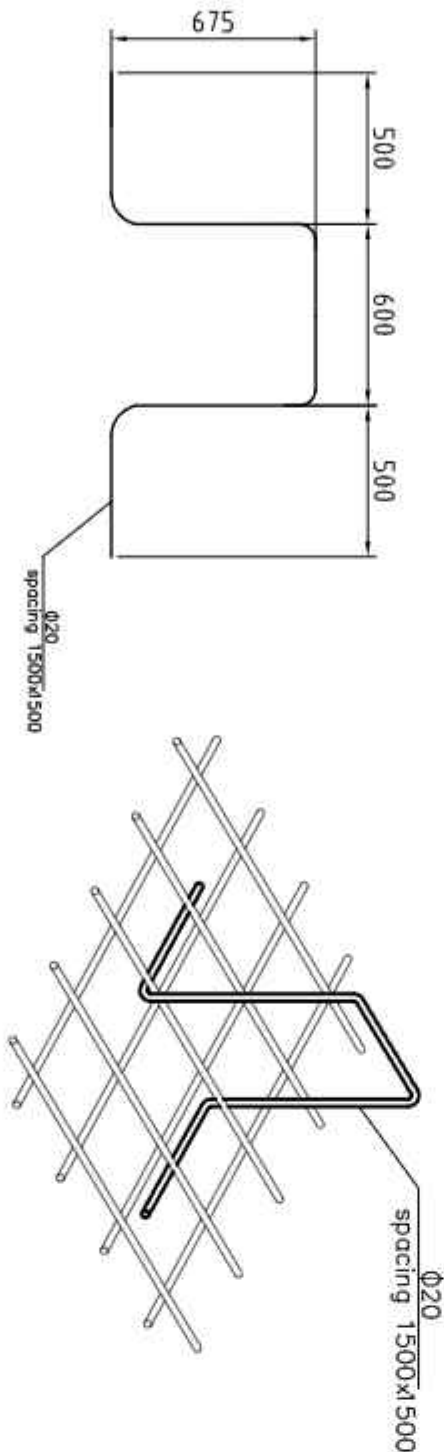
PILE LEGEND

TYPE	PILE MARKING	DIM (mm)	LENGTH (m)	QTY.
1	P-01~12	800	18	12



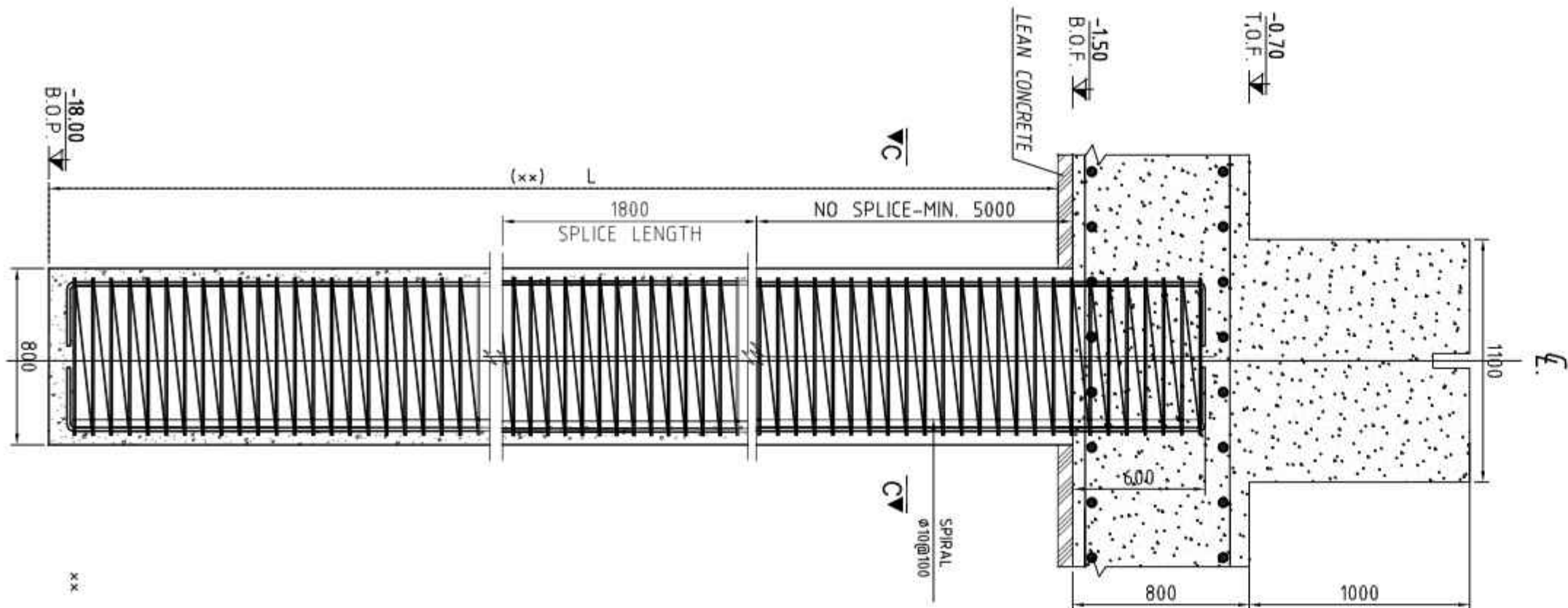
PILING PLAN

Sc: 1/50



Reinforcement Chair Installation Detail

Sc: 1/75



SECTION C-C

Sc: 1/20

** THE FINAL LENGTH SHALL BE DETERMINED BY PDA RESULTS WITH GEOTECHNICAL CONTRACTOR RECOMMENDATIONS

PILE DETAIL

Sc: 1/75

ACCORDING TO ACI 318-MBC 99 WITH C30 & S400



PEDISTAL SCHEDULE		
TYPE	SIZE (mm)	QTY (Pcs)
PED-1	1100X1100	4
PED-2	700X700	2

GENERAL NOTES

- 1- ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE.
- 2- ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.
- 3- ELEVATION OF +0.00 IS EQUAL TO +0.70m OF THE SITE.
- 4- ALL STRUCTURAL CONCRETE SHALL BE OF STRENGTH C35 USING TYPE II CEMENT.
- 5- ALL CONCRETE SURFACES IN CONTACT WITH SOIL SHALL HAVE A MINIMUM COVER OF 75mm.
- 6- THE MINIMUM COVER FOR WALL AND SLAB IS 50mm AND FOR COLUMNS AND BEAMS IS 50 mm.

SPECIFIC NOTES

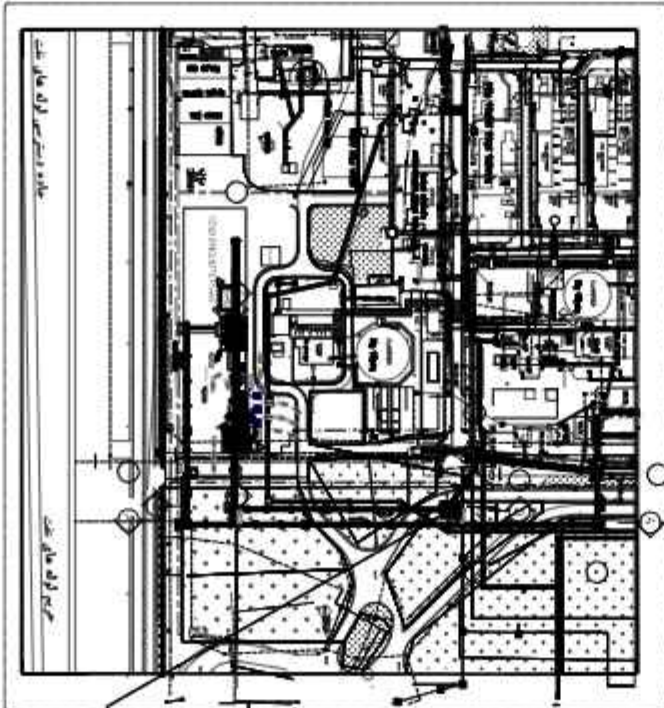
- 1- ALL DIMENSIONS ARE IN mm.
- 2- ALL ELEVATION AND CO-ORDINATES ARE IN METERS.
- 3- CONTRACTOR SHALL USE STRUCTURAL DRAWINGS IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL AND SITE DRAWINGS PRIOR TO CONSTRUCTION. ANY INCOMPATIBILITY BETWEEN MENTIONED DRAWINGS SHALL BE REPORTED AND SOLVED PRIOR TO CONSTRUCTION.
- 4- CONTRACTOR SHALL CHECK AND VERIFY DIMENSIONS AND ANY DISCREPANCY SHALL BE REPORTED BEFORE CONSTRUCTION COMMENCEMENT.
- 5- 28 DAY CHARACTERISTIC COMPRESSIVE STRENGTH OF CONCRETE IS 35.0 MPa ON CYLINDRICAL SPECIMEN UNLESS NOTED OTHERWISE.
- 6- LEAN CONCRETE SHALL HAVE MINIMUM CEMENT CONTENT OF 50 kg/m³.
- 7- REINFORCED REINFORCEMENT BAR TYPE IS AS A-III WITH YIELD STRESS OF F_y=400.0 MPa AND ULTIMATE STRESS OF 600.0 MPa.
- 8- MATERIAL OF WIRE IS AS HIGH STRENGTH GRADE (B9) ACCORDING TO EN 14397-4, WIRE WITH F_u=1000.0 MPa.
- 9- MATERIAL OF ANCHOR PLATE IS ST-37 WITH YIELD STRESS OF F_y=235.0 MPa UNLESS NOTED OTHERWISE.
- 10- CEMENT TO BE PORTLAND ACCORDING TO SOIL INVESTIGATION.
- 11- COVER FOR FOUNDATION AND PEDISTAL IS 50mm AND 75mm FOR THE PLATES THAT IS FACED WITH SOIL.
- 12- EXISTING SOIL UNDER FOUNDATION IS SEEN AS UNSUITABLE (REFILLED SOIL, EXCAVATION UNDER FOUNDATIONS SHALL BE CONTINUED UP TO THE RELIABLE SOIL LAYER BASE ON EXPERT GEOTECHNICAL ENGINEER CORRELATION, THEN EXCAVATED REGION SHALL BE FILLED WITH MASS CONCRETE UP TO THE BOTTOM OF FOUNDATION.
- 13- WHEREVER "HOLD SIGN" IS INDICATED IN THIS DRAWING, IT MEANS THAT CONSTRUCTION IS NOT PERMITTED UNTIL THE HOLD SIGN IS REMOVED.
- 14- POCKETS SHALL BE FILLED WITH EXPANDABLE GROUT WHEN ERECTION OF STRUCTURE OR EQUIPMENT IS COMPLETED.

ABBREVIATIONS & LEGEND

B.P.L.1	BOTTOM OF LEAN CONCRETE
P.F.L.1	FINISH FLOOR
C.L.	CENTER LINE
F.F.L.	FINISH GROUND LEVEL
H.P.L.	HIGH POINT OF PAVING
T.O.F.	TOP OF FOUNDATION
B.O.F.	BOTTOM OF FOUNDATION
T.O.P.E.D.	TOP OF PEDISTAL
T.O.W.	TOP OF WALL
T.O.S.	TOP OF SLAB
T.O.B.	TOP OF BEAM
T.A.B.	TOP AND BOTTOM
E.W.	EACH WAY
E.F.	EACH FACE
F.A.	FACE BAR

	NATURAL SOIL
	LEAN CONCRETE
	CONCRETE
	CENTER LINE

KEY PLAN



REFERENCE DRAWINGS

REF. NO.

DESCRIPTION

COMMENT TABLE

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☐	AP-PC: "Approved As Noted": Contractor/ Vendor/ Sub-Contractor shall correct / revise and if relevant incorporated.
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☐	RE: "Rejected": Contractor/ Vendor/ Sub-Contractor shall rework/modify/resubmit the document and resubmit the document before starting the construction/manufacturing process.

REVISION TABLE

REV.	Date	Description	By	Check
01	23.02.2025	JFC	Al-Badran	E.P
02	23.02.2025	JFC	Al-Badran	E.P
03	17.02.2025	JFC	N.A.	E.S.H
04	12.01.2025	JFC	N.A.	E.S.H
05	08.11.2024	JFC	N.A.	E.S.H
06	08.11.2024	JFC	N.A.	E.S.H

PROJECT TITLE: COLD BRIQUETTE SPONGE IRON PROJECT

DOCUMENT DESCRIPTION:

TRANSFER TOWER TT03-PILE AND FOUNDATION DRAWINGS

DOCUMENT NO.

415X15X1-115X120X-450-17

REV. SIZE SCALE SHEET NO.

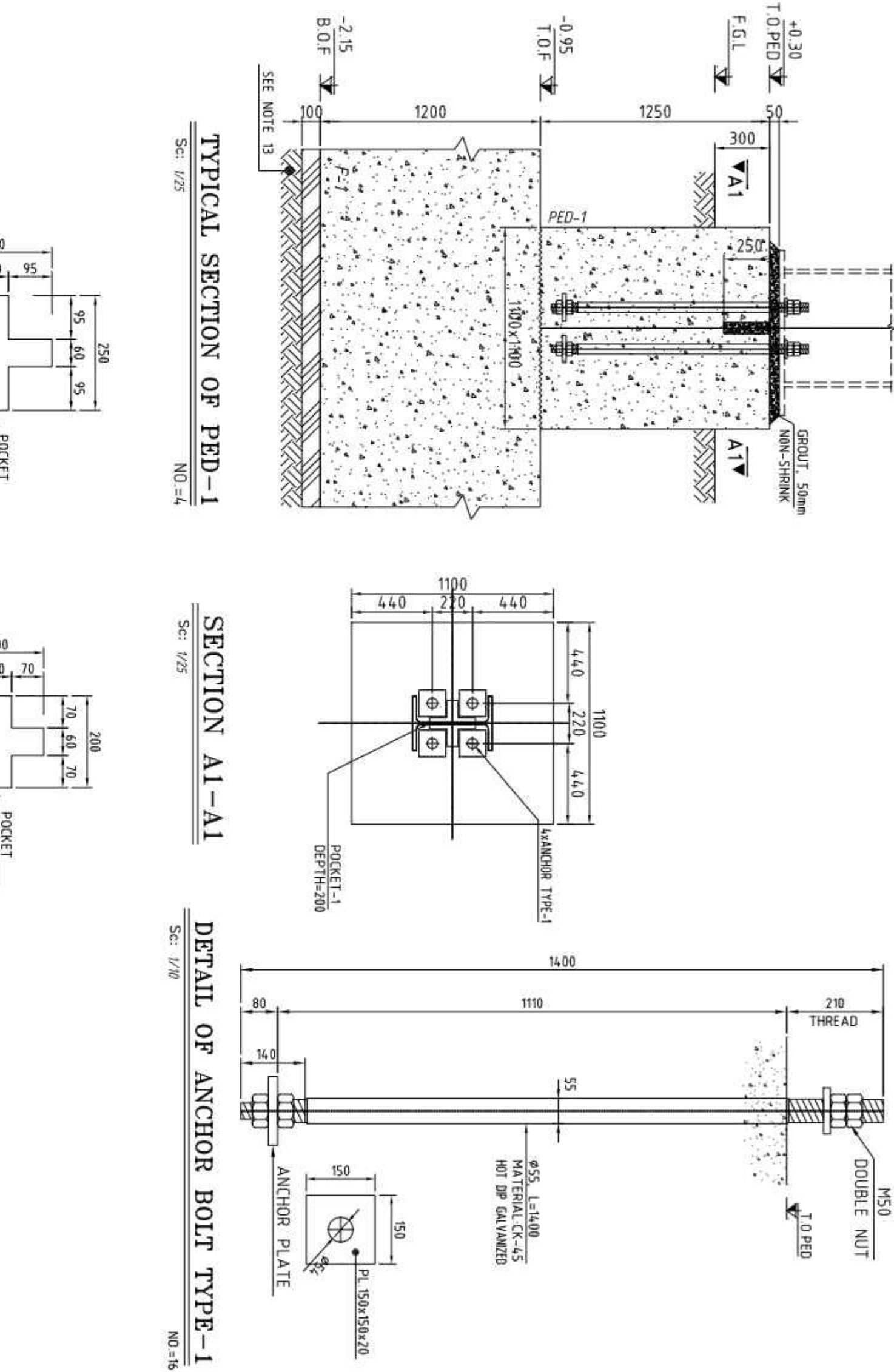
02 A1 1000 4.15

TYPE	SIZE (mm)	QTY (Pcs)
PED-1	1100X1100	4
PED-2	700X700	2

GENERAL NOTES

- 1- ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE.
- 2- ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.
- 3- ELEVATION OF +0.00 IS EQUAL TO +0.70m OF THE SITE.
- 4- ALL STRUCTURAL CONCRETE SHALL BE OF STRENGTH C35 USING TYPE II CEMENT.
- 5- ALL CONCRETE SURFACES IN CONTACT WITH SOIL SHALL HAVE A MINIMUM COVER OF 75mm.
- 6- THE MINIMUM COVER FOR WALL AND SLAB IS 50mm AND FOR COLUMNS AND BEAMS IS 50 mm.

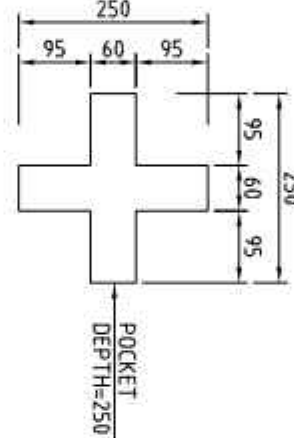
SPECIFIC NOTES



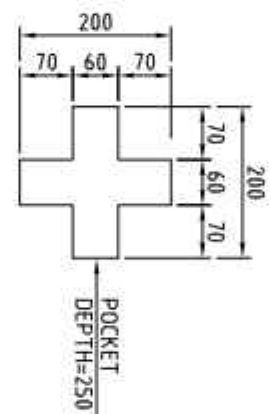
TYPICAL SECTION OF PED-1
NO-4

SECTION A1-A1
NO-5

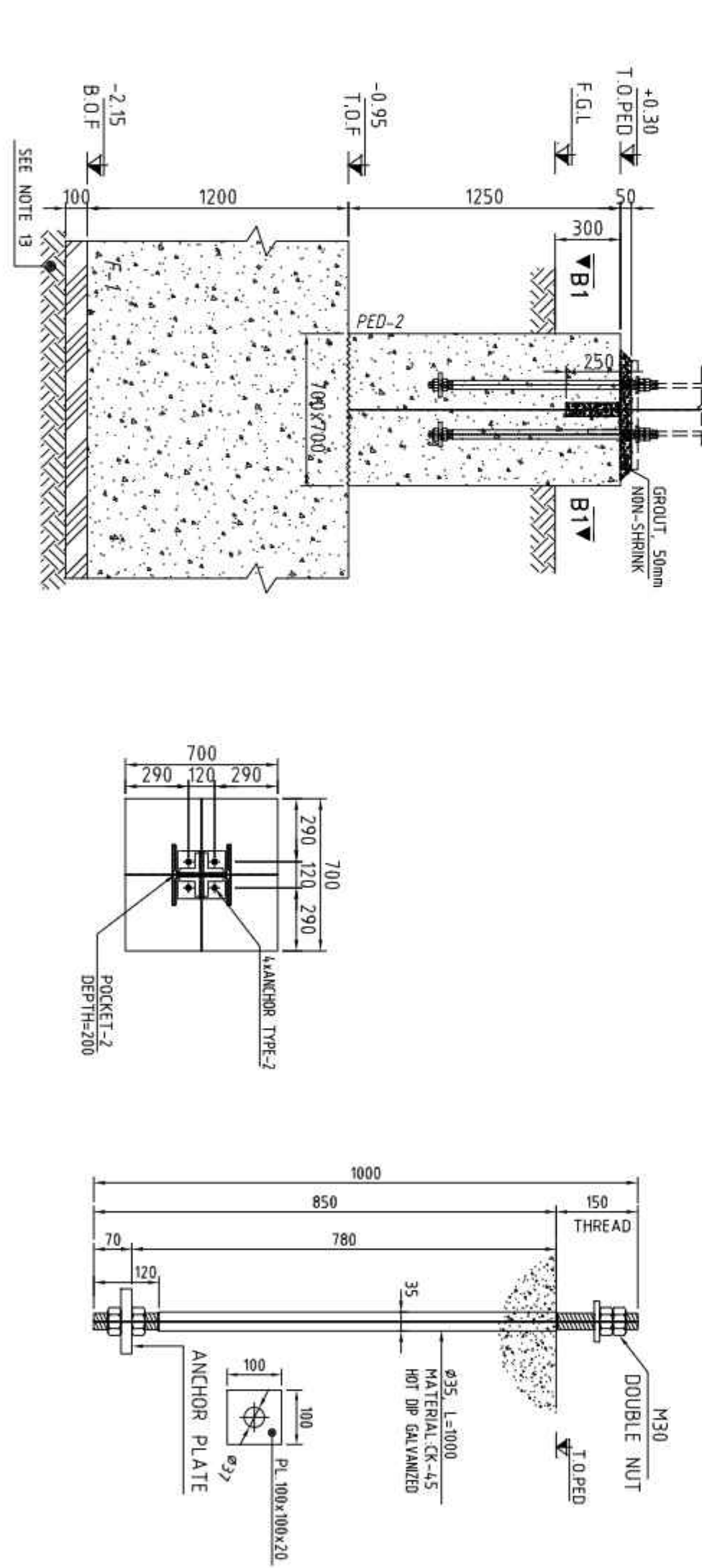
DETAIL OF ANCHOR BOLT TYPE-1
NO-6



DETAIL OF POCKET-1
NO-7



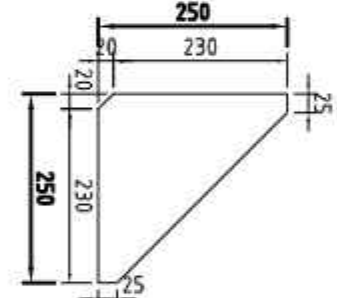
DETAIL OF POCKET-2
NO-8



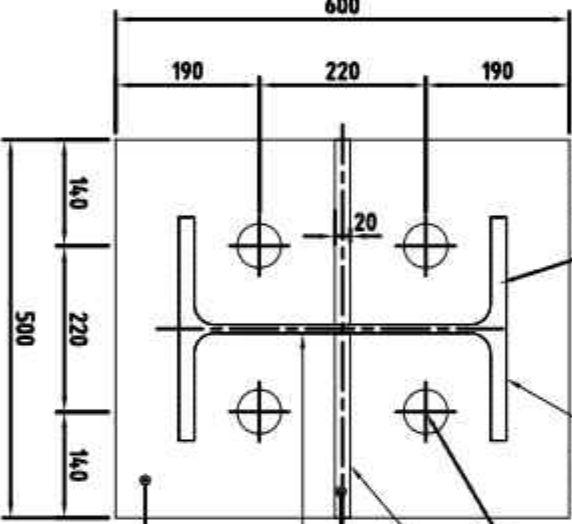
TYPICAL SECTION OF PED-2
NO-9

SECTION B1-B1
NO-10

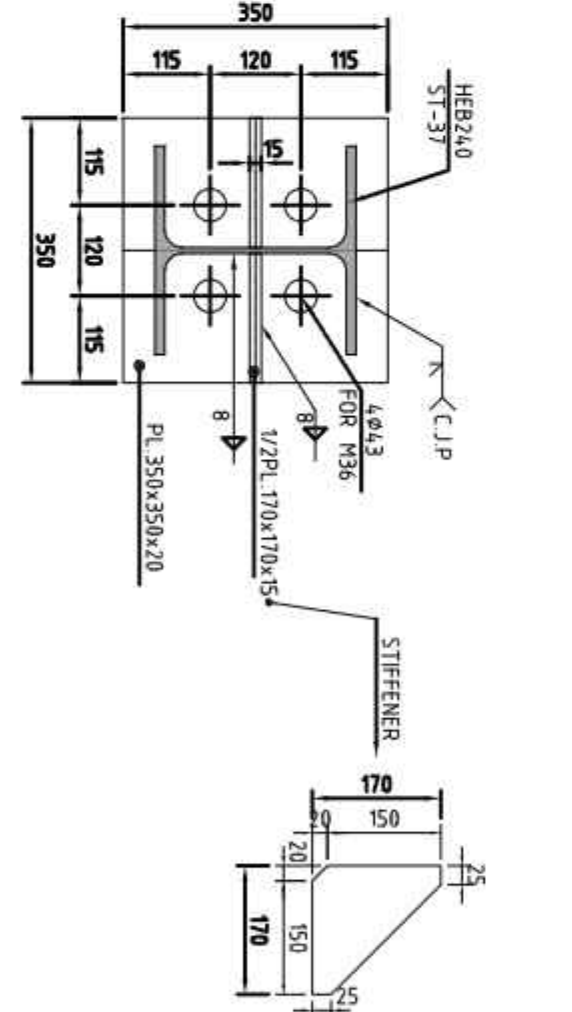
DETAIL OF ANCHOR BOLT TYPE-2
NO-11



SECTION B1-B1
NO-10



DETAIL OF BP-1
NO-12

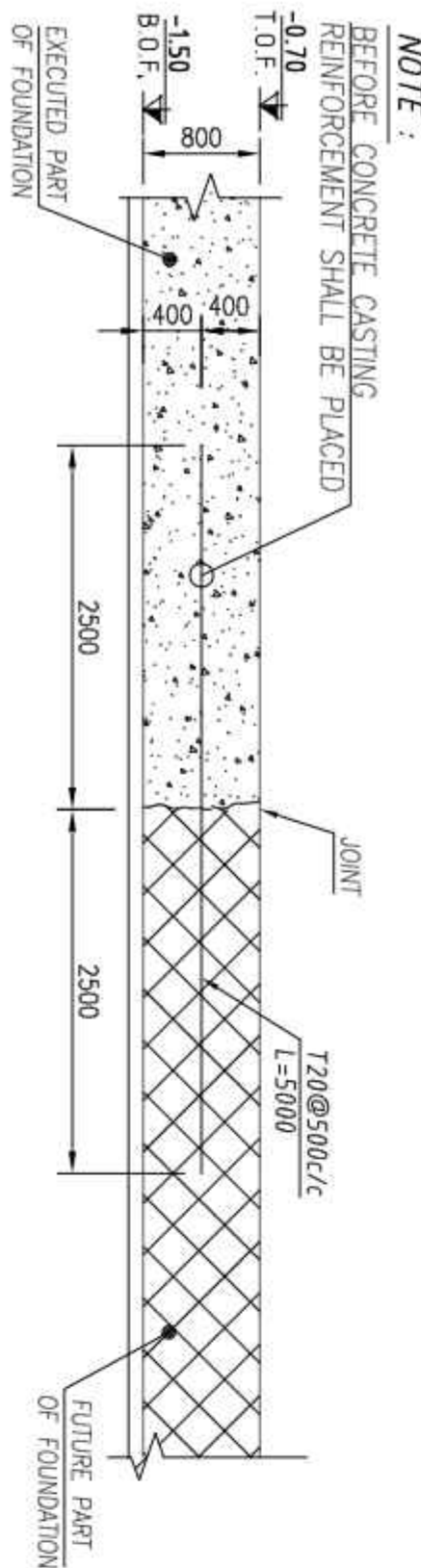


DETAIL OF BP-2
NO-13

FOUNDATION PLAN
SC: 1:50

FORMWORK - SECTION A-A
SC: 1:50

TYPICAL CONSTRUCTION JOINT DETAIL
SC: 1:50



NOTE:

BEFORE CONCRETE CASTING, REINFORCEMENT SHALL BE PLACED.

GENERAL NOTES

- 1- ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE.
2- ALL DIMENSIONS SHALL BE TO FACE UNLESS NOTED OTHERWISE.
3- ELEVATION OF +0.00 IS EQUAL TO +2.20m OF THE SITE.
4- ALL STRUCTURAL CONCRETE SHALL BE USING TYPE II CEMENT.
5- ALL CONCRETE SURFACES IN CONTACT WITH SOIL SHALL HAVE A MINIMUM COVER OF 75mm.
6- THE MINIMUM COVER FOR WALL AND SLAB IS 50mm AND FOR COLUMNS AND BEAMS IS 50 mm.

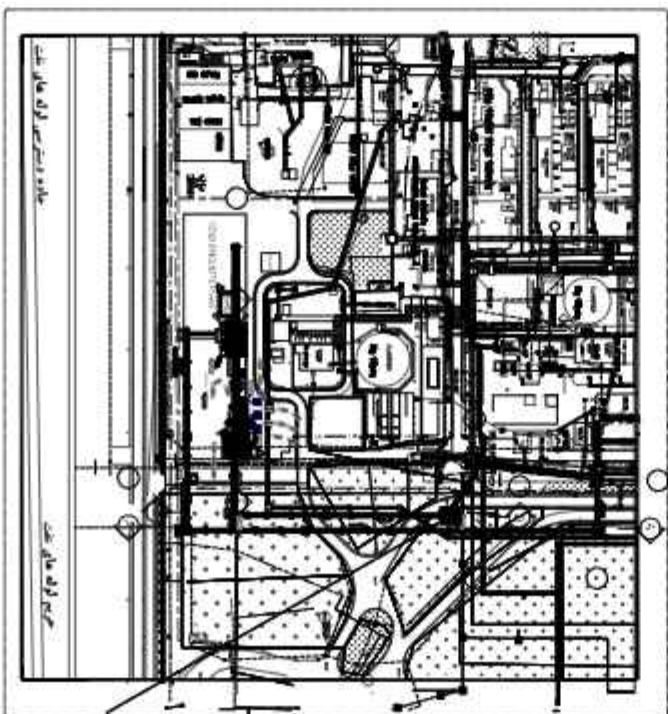
SPECIFIC NOTES

- 1- ALL DIMENSIONS ARE IN mm.
2- ALL ELEVATION AND CO-ORDINATES ARE IN METERS.
3- CONTRACTOR SHALL USE STRUCTURAL DRAWINGS IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL AND SITE DRAWINGS PRIOR TO CONSTRUCTION COMMENCEMENT. ANY INCOMPATIBILITY BETWEEN MENTIONED DRAWINGS SHALL BE REPORTED AND SOLVED PRIOR TO CONSTRUCTION.
4- CONTRACTOR SHALL CHECK AND VERIFY DIMENSIONS AND ANY DISCREPANCY SHALL BE REPORTED BEFORE CONSTRUCTION COMMENCEMENT.
5- 78 DAY CHARACTERISTIC COMPRESSIVE STRENGTH OF CONCRETE IS 300 kg/cm ON CYLINDRICAL SPECIMEN UNLESS NOTED OTHERWISE.
6- LEAN CONCRETE SHALL HAVE MINIMUM CEMENT CONTENT OF 50 kg/m.
7- REINFORCED REINFORCEMENT BAR TYPE IS AS 414 WITH YIELD STRESS OF $F_y=4000$ kg/cm AND ULTIMATE STRESS OF 6000 kg/cm.
8- MATERIAL OF WRT IS AS HIGH STRENGTH GRADE (M 9) ACCORDING TO EN 14397-4, "M" WITH $F_{cu}=8000$ kg/cm.
9- MATERIAL OF ANCHOR PLATE IS S137 WITH YIELD STRESS OF $F_y=2400$ kg/cm UNLESS NOTED OTHERWISE.
10- CEMENT TO BE PORTLAND ACCORDING TO SOIL INVESTIGATION.
11- COVER FOR FOUNDATION AND PERISTAL IS 50mm AND 75mm FOR THE PLATES THAT IS FACED WITH SOIL.
12- EXISTING SOIL UNDER FOUNDATION IS SEEN AS UNSUITABLE (REFILLED SOIL, EXCAVATION UNDER FOUNDATIONS SHALL BE CONTINUED UP TO THE RELIABLE SOIL LAYER BASE ON EXPERT GEOTECHNICAL ENGINEER CORRELATION). THEN EXCAVATED REGION SHALL BE FILLED WITH MASS CONCRETE UP TO THE BOTTOM OF FOUNDATION.
13- WHEREVER "HOLD SIGN" IS INDICATED IN THIS DRAWING, IT MEANS THAT CONSTRUCTION IS NOT PERMITTED UNTIL THE HOLD SIGN IS REMOVED.
14- POCKETS SHALL BE FILLED WITH EXPANDABLE GROUT WHEN ERECTION OF STRUCTURE OR EQUIPMENT IS COMPLETED.

ABBREVIATIONS & LEGEND

B.O.C.F. :	BOTTOM OF LEAN CONCRETE
P.F.L. :	PERISTAL FLOOR
C.L. :	CENTER LINE
F.G.L. :	FINISH GROUND LEVEL
H.P.P. :	HIGH POINT OF PAVING
T.O.F. :	TOP OF FOUNDATION
B.O.F. :	BOTTOM OF FOUNDATION
T.O.P.E.S. :	TOP OF PERISTAL
T.O.C. :	TOP OF CONCRETE
T.O.W. :	TOP OF WALL
T.O.S. :	TOP OF SLAB
T.A.B. :	TOP AND BOTTOM
C.O.N.T. :	CONTINUE BAR
E.W. :	EACH WAY
E.F. :	EACH FACE
F.A.B. :	FACE BAR

KEY PLAN



This Location

REFERENCE DRAWINGS

REF. NO.

COMMENT TABLE

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☐	APK- "Approved As Noted": Contractor/ Vendor/ Sub-Contractor shall correct / revise and if changes incorporated.
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☐	RE- "Rejected": Contractor/ Vendor/ Sub-Contractor shall rework/ redesign/ reprepare the documents shall be resubmitted before starting the construction/manufacturing process.

REVISION TABLE

REV	Date	Description	By	Check
02	23.02.2025	JFC	Al-Badran Al-Zaghrani	M.Bahit
02	17.02.2025	JFC	N.A.	E.S.H.
01	12.01.2025	JFC	N.A.	E.S.H.
00	08.11.2024	JFC	N.A.	E.S.H.
REV	Date	Prepared	Checked	Approved by
				Contractor

PROJECT TITLE: COLD BRIQUETTE SPONGE IRON PROJECT

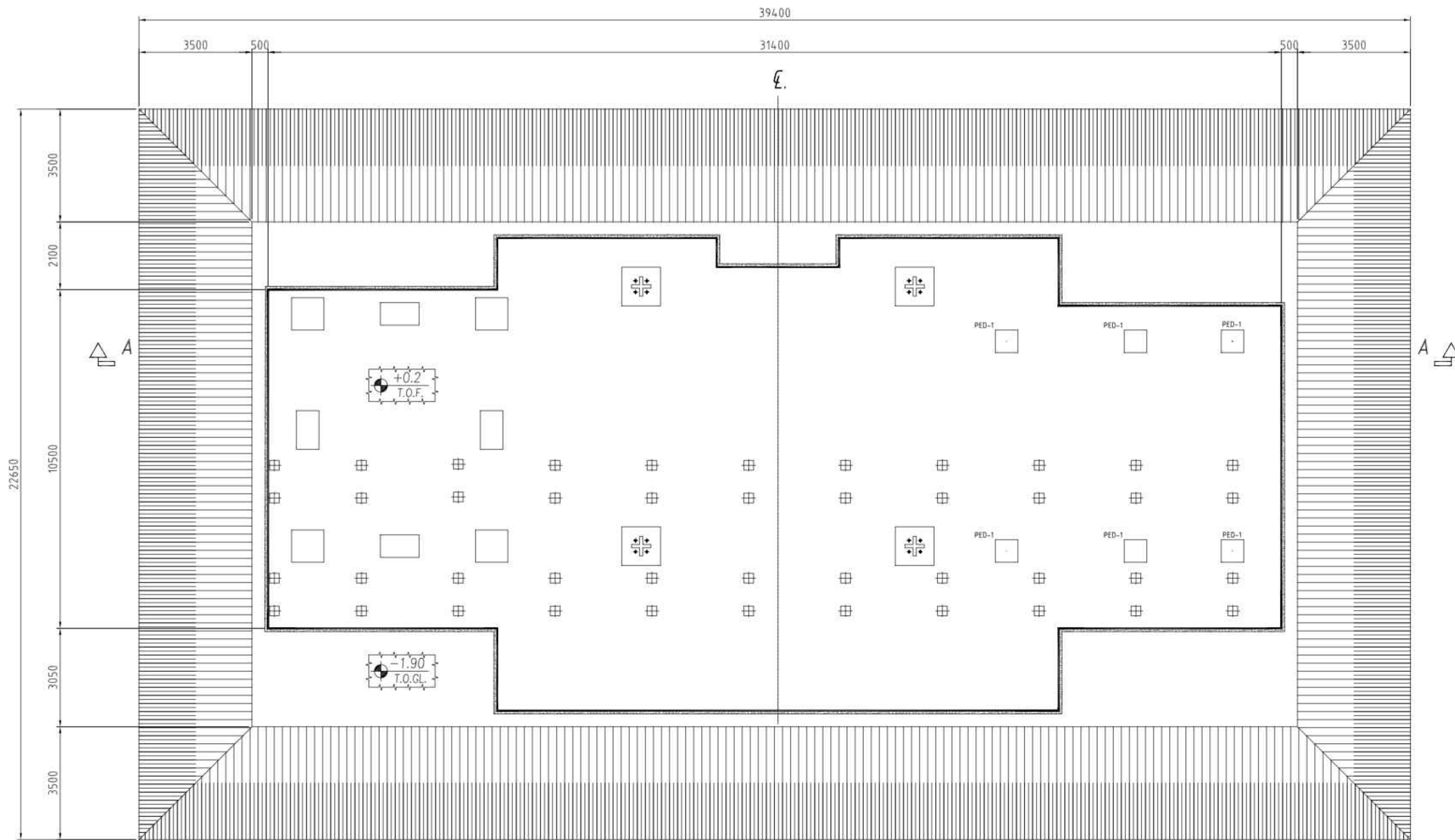
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TRANSFER TOWER TT03-PILE AND FOUNDATION DRAWINGS

DOCUMENT NO.

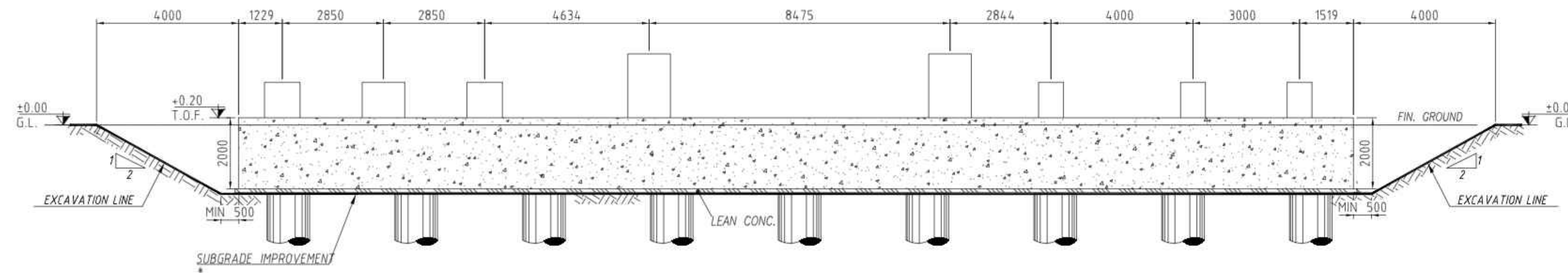
4153CASH-IJST-DW-450-17

REV	SIZE	SCALE	SHEET NO.
02	A1	1/100	5/15



EXCAVATION PLAN

Sc: 1/100



SECTION A-A

Sc: 1/100

* CEMENTED SAND LAYER SHALL BE EXTENDED BETWEEN AXIS INSIDE THE STRUCTURE AND AROUND FOUNDATIONS.
THICKNESS OF THIS LAYER SHALL BE FINALIZED BY GEOTECHNICAL CONTRACTOR.

GENERAL NOTES

- 1- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.
- 2- ALL THE ELEVATIONS ARE RELATED TO THE ± 0.00 OF THE SITE.
- 3- ELEVATION OF ± 0.00 IS EQUAL TO $+12.20$ OF THE SITE.
- 4- ALL STRUCTURAL CONCRETE SHALL BE OF STRENGTH C35, USING TYPE II CEMENT.
- 5- ALL CONCRETE SURFACES IN CONTACT WITH SOIL SHALL HAVE A MINIMUM COVER OF 75mm.
- 6- THE MINIMUM COVER FOR WALL AND SLAB IS 30mm AND FOR COLUMNS AND BEAMS IS 50 mm

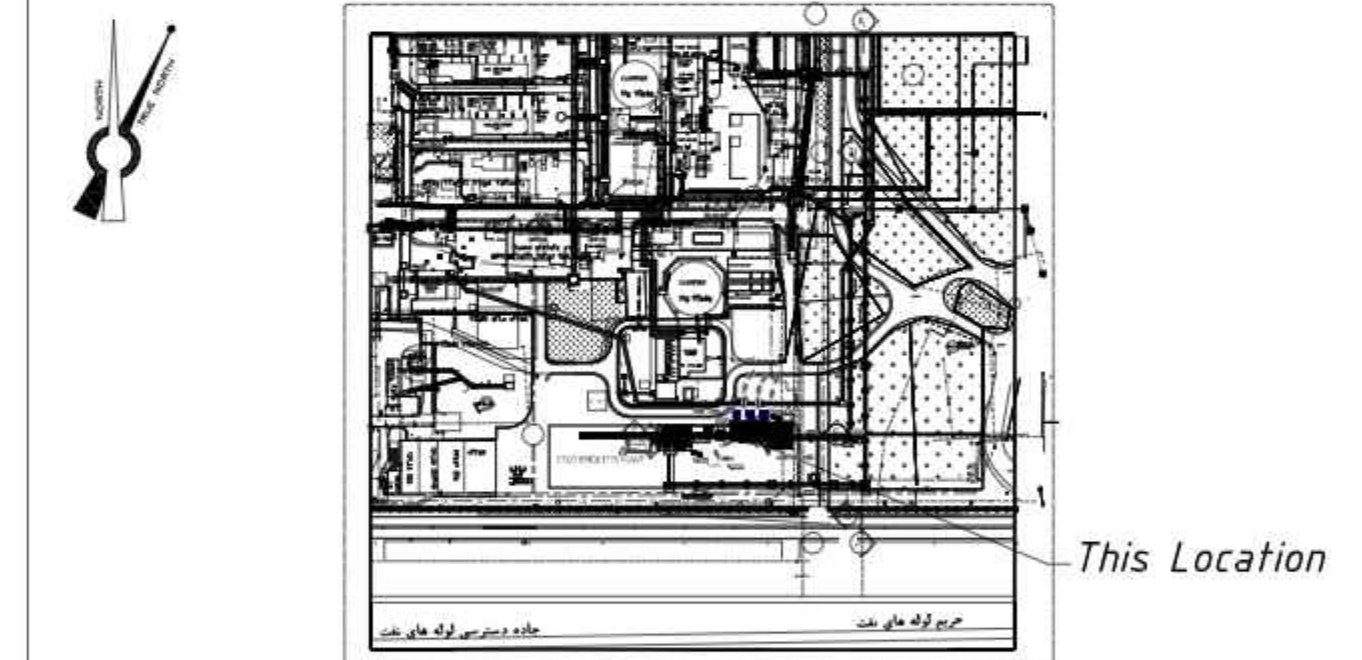
SPECIFIC NOTES

- 1- ALL DIMENSIONS ARE IN mm.
- 2- ALL ELEVATION AND CO-ORDINATES ARE IN METER.
- 3- CONTRACTOR SHALL USE STRUCTURAL DRAWINGS IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL AND SITE DRAWINGS PRIOR TO CONSTRUCTION COMMENCEMENT. ANY INCOMPATIBILITY BETWEEN MENTIONED DRAWINGS SHALL BE REPORTED AND SOLVED PRIOR TO CONSTRUCTION.
- 4- CONTRACTOR SHALL CHECK AND VERIFY DIMENSIONS AND ANY DISCREPANCY SHALL BE REPORTED BEFORE CONSTRUCTION COMMENCEMENT.
- 5- 28 DAY CHARACTERISTIC COMPRESSIVE STRENGTH OF CONCRETE IS 350 Kg/cm ON CYLINDRICAL SPECIMEN UNLESS NOTED OTHERWISE.
- 6- LEAN CONCRETE SHALL HAVE MINIMUM CEMENT CONTENT OF 150 kg/m.
- 7- DEFORMED REINFORCEMENT BAR TYPE IS AS A-III WITH YIELD STRESS OF $F_y=4000$ kg/cm AND ULTIMATE STRESS OF 6000 kg/cm.
- 8- MATERIAL OF NUT IS AS HIGH STRENGTH GRADE (10.9) ACCORDING TO "EN 14399-4, HV" WITH $F_u=10000$ kg/cm.
- 9- MATERIAL OF ANCHOR PLATE IS ST-37 WITH YIELD STRESS OF $F_y=2400$ kg/cm UNLESS NOTED OTHERWISE.
- 10- CEMENT TO BE PORTLAND ACCORDING TO SOIL INVESTIGATION.
- 11- COVER FOR FOUNDATION AND PEDESTAL IS 40mm AND 75mm FOR THE PLACES THAT IS FACED WITH SOIL.
- 12- IF EXISTING SOIL UNDER FOUNDATION IS SEEN AS UNSUITABLE (REFILLED) SOIL, EXCAVATION UNDER FOUNDATIONS SHALL BE CONTINUED UP TO THE RELIABLE SOIL LAYER BASE ON EXPERT GEOTECHNICAL ENGINEER CONFIRMATION, THEN EXCAVATED REGION SHALL BE FILLED WITH MASS CONCRETE UP TO THE BOTTOM OF FOUNDATION.
- 13- WHEREVER "HOLD" SIGN IS INDICATED IN THIS DRAWING, IT MEANS THAT CONSTRUCTION IS NOT PERMITTED UNTIL THE HOLD SIGN IS REMOVED.
- 14- POCKETS SHALL BE FILLED WITH EXPANDABLE GROUT WHEN ERECTION OF STRUCTURE OR EQUIPMENT IS COMPLETED.

ABBREVIATIONS & LEGEND

B.O.L.C. :	BOTTOM OF LEAN CONCRETE		NATURAL SOIL
F.F.L. :	FINISH FLOOR		LEAN CONCRETE
CL. :	CENTER LINE		CONCRETE
F.G.L. :	FINISH GROUND LEVEL		CENTER LINE
H.P.P. :	HIGH POINT OF PAVING		
T.O.F. :	TOP OF FOUNDATION		
B.O.F. :	BOTTOM OF FOUNDATION		
T.O.PED. :	TOP OF PEDESTAL		
T.O.C. :	TOP OF CONCRETE		
T.O.W. :	TOP OF WALL		
T.O.S. :	TOP OF SLAB		
T.O.B. :	TOP OF BEAM		
T.A.B. :	TOP AND BOTTOM		
CONT. :	CONTINUE BAR		
E.W. :	EACH WAY		
E.F. :	EACH FACE		
F.B. :	FACE BAR		

KEY PLAN



REFERENCE DRAWINGS

DESCRIPTION	REF. NO.

COMMENT TABLE

☐	AP: "Approved": No comment and the document is released for construction/manufacturing
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☐	CO: "Commented": Contractor, Vendor, Sub-Contractor shall correct / revise and resubmit the document by the date specified.
☐	RE: "Reject": Contractor, Vendor, Sub-Contractor shall rework/redesign/respect the contents of the documents according to the comments/reasons for rejection. All corrected documents shall be resubmitted before starting the construction/manufacturing process.

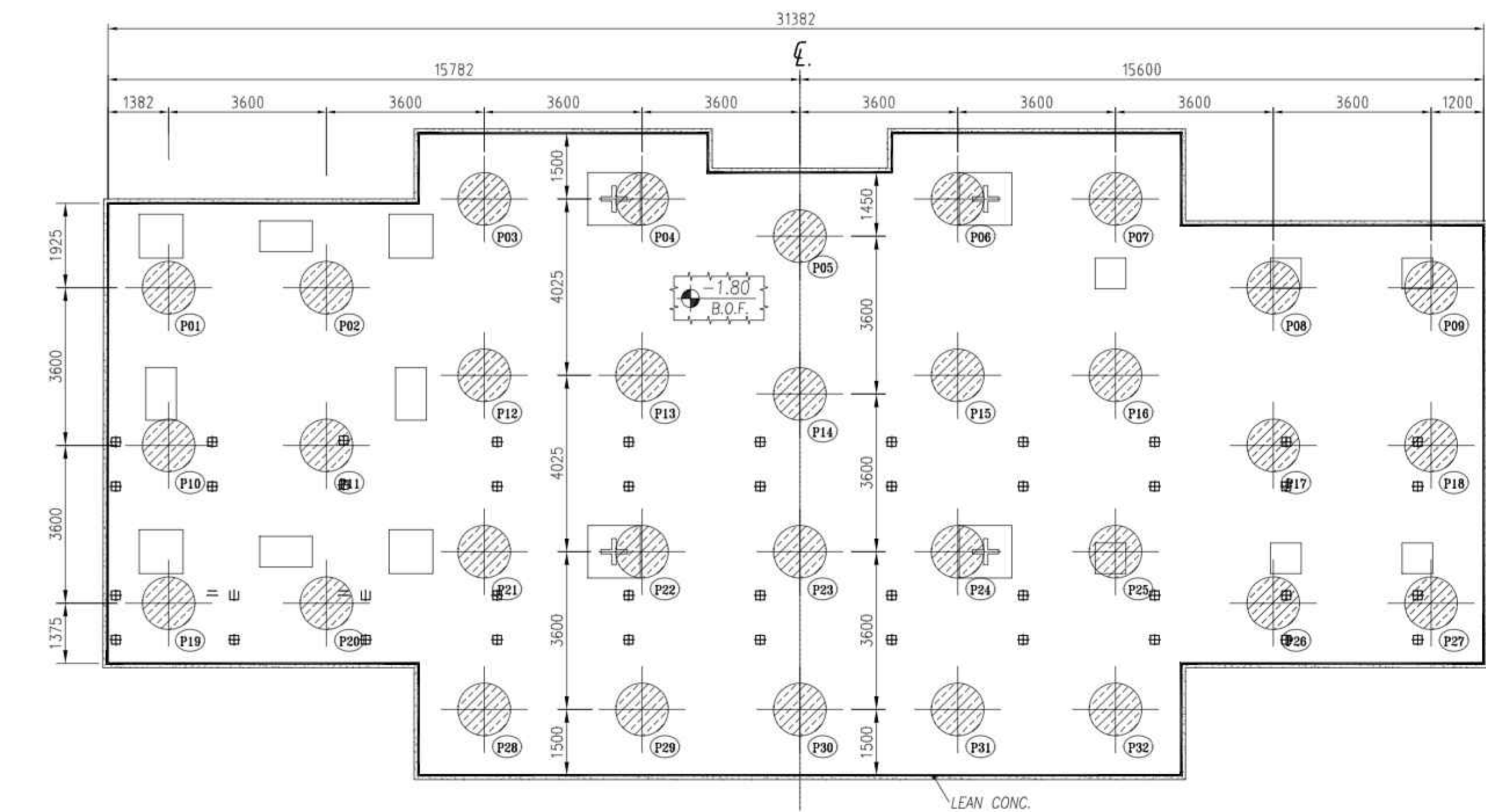
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	Signature:
	Date:
	Signature:

REVISION TABLE

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02	03.03.2025	IFR	N.A.	N.A.	E.SH.	EP
01	12.01.2025	IFR	N.A.	N.A.	E.SH.	EP
00	23.11.2024	IFR	N.A.	N.A.	E.SH.	EP
REV.	Date	POI	Prepared	Checked	Approved by Contractor	Approved by Client

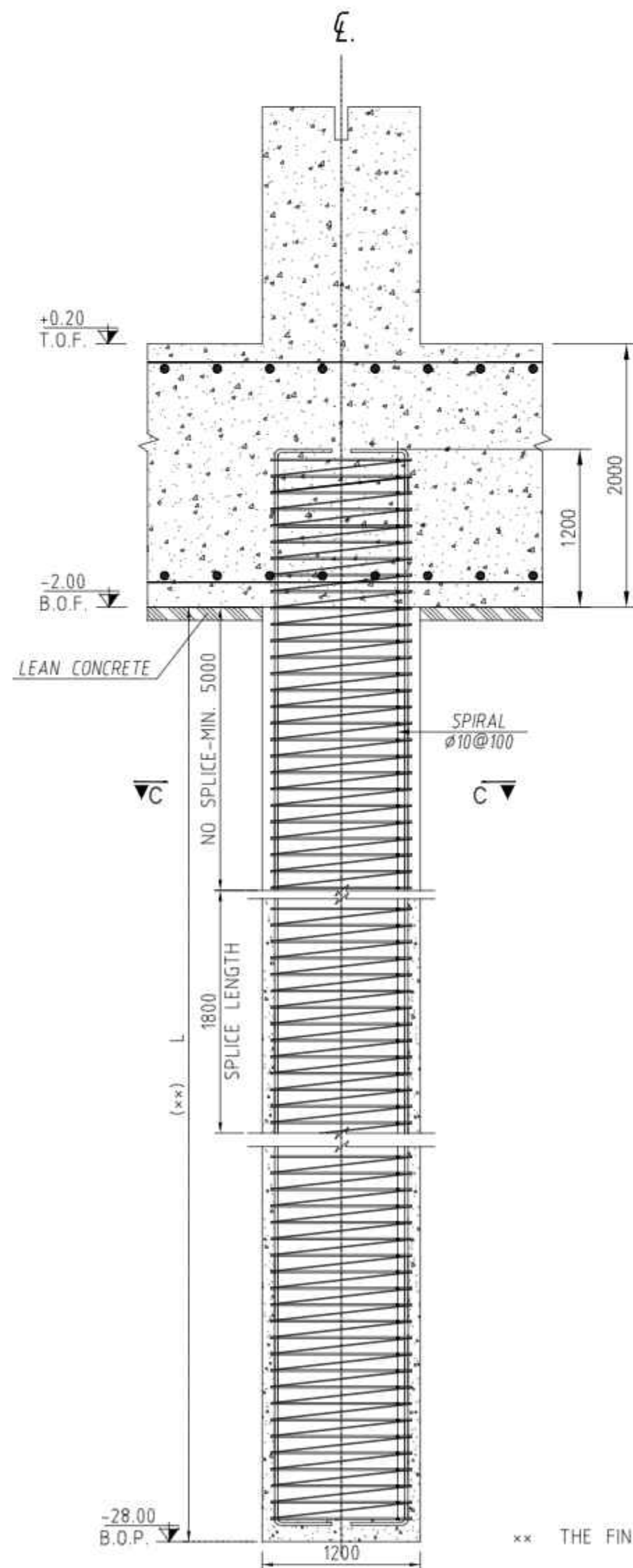
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	COLD BRIQUETTE SPONGE IRON PROJECT	
	DOCUMENT DESCRIPTION:	
	TRANSFER TOWER TT04-PILE AND FOUNDATION DRAWINGS	

DOCUMENT NO.	REV.	SIZE	SCALE	SHEET NO.
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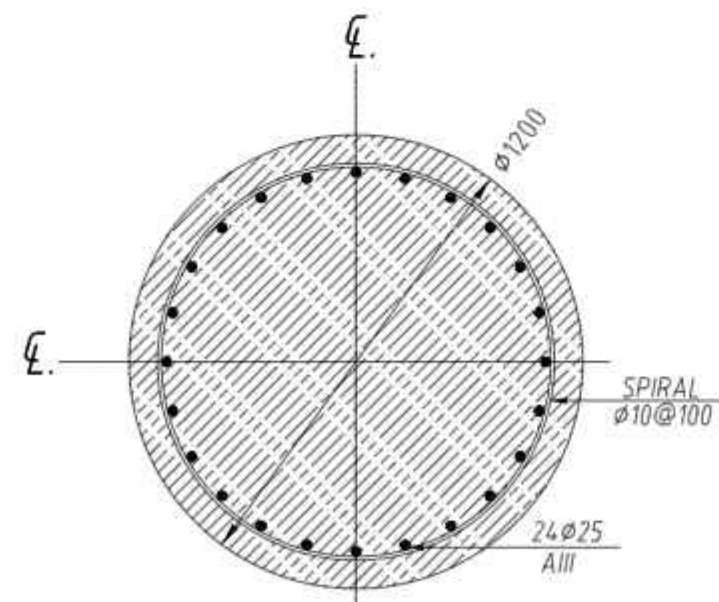
PILING PLAN

Sc: 1/100



PILE DETAIL

Sc: 1/40



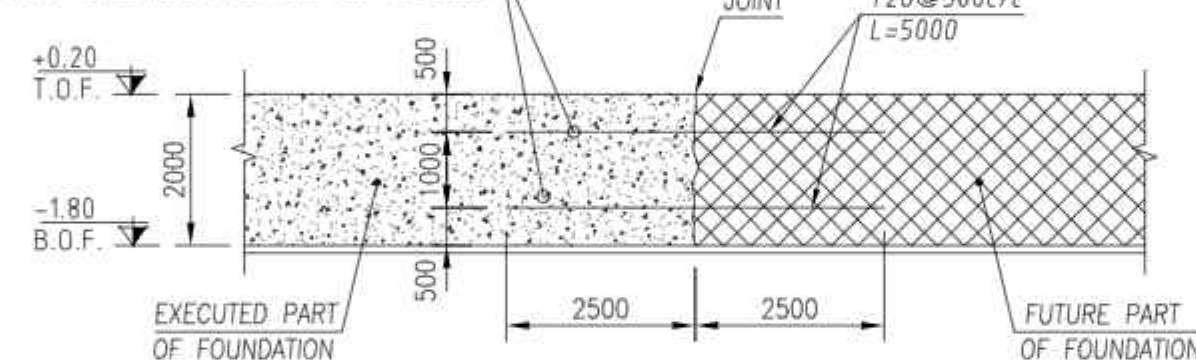
SECTION C-C

Sc: 1/20

xx THE FINAL LENGTH SHALL BE DETERMINED BY PDA RESULTS WITH GEOTECHNICAL CONTRACTOR RECOMMENDATIONS.

NOTE :

BEFORE CONCRETE CASTING
REINFORCEMENT SHALL BE PLACED



TYPICAL CONSTRUCTION JOINT DETAIL

Sc: 1/100

PILE LEGEND

TYP.	PILE MARKING	DIM.(mm)	LENGTH (m)	QTY.
1	P-01~32	1200	28	32

PILE COORDINATION

No.	X	Y
P01	1226782.6	5077789.4
P02	1230382.6	5077789.4
P03	1233982.7	5079814.4
P04	1237582.7	5079814.4
P05	1241182.7	5079814.4
P06	1244782.7	5079814.4
P07	1248382.7	5079814.4
P08	1251982.7	5077789.4
P09	1255582.7	5077789.4
P10	1259182.7	5074189.4
P11	1262782.7	5074189.4
P12	1266382.7	5074189.4
P13	1269982.7	5075789.4
P14	1273582.7	5075789.4
P15	1277182.7	5075789.4
P16	1280782.7	5075789.4
P17	1284382.7	5075789.4
P18	1287982.7	5074189.4
P19	1291582.7	5074189.4
P20	1295182.7	5070589.4
P21	1298782.7	5070589.4
P22	1302382.7	5071764.4
P23	1305982.7	5071764.4
P24	1309582.7	5071764.4
P25	1313182.7	5071764.4
P26	1316782.7	5070589.4
P27	1320382.7	5070589.4
P28	1323982.7	5068164.4
P29	1327582.7	5068164.4
P30	1331182.7	5068164.4
P31	1334782.7	5068164.4
P32	1338382.7	5068136.1

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.
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3. ELEVATION OF +0.00 IS EQUAL TO +12.20 OF THE SITE.
4. ALL STRUCTURAL CONCRETE SHALL BE OF STRENGTH C30, USING TYPE II CEMENT.
5. ALL CONCRETE SURFACES IN CONTACT WITH SOIL SHALL HAVE A MINIMUM COVER OF 75mm
- THE MINIMUM COVER FOR WALL AND SLAB IS 30mm AND FOR COLUMNS AND BEAMS IS 50 mm

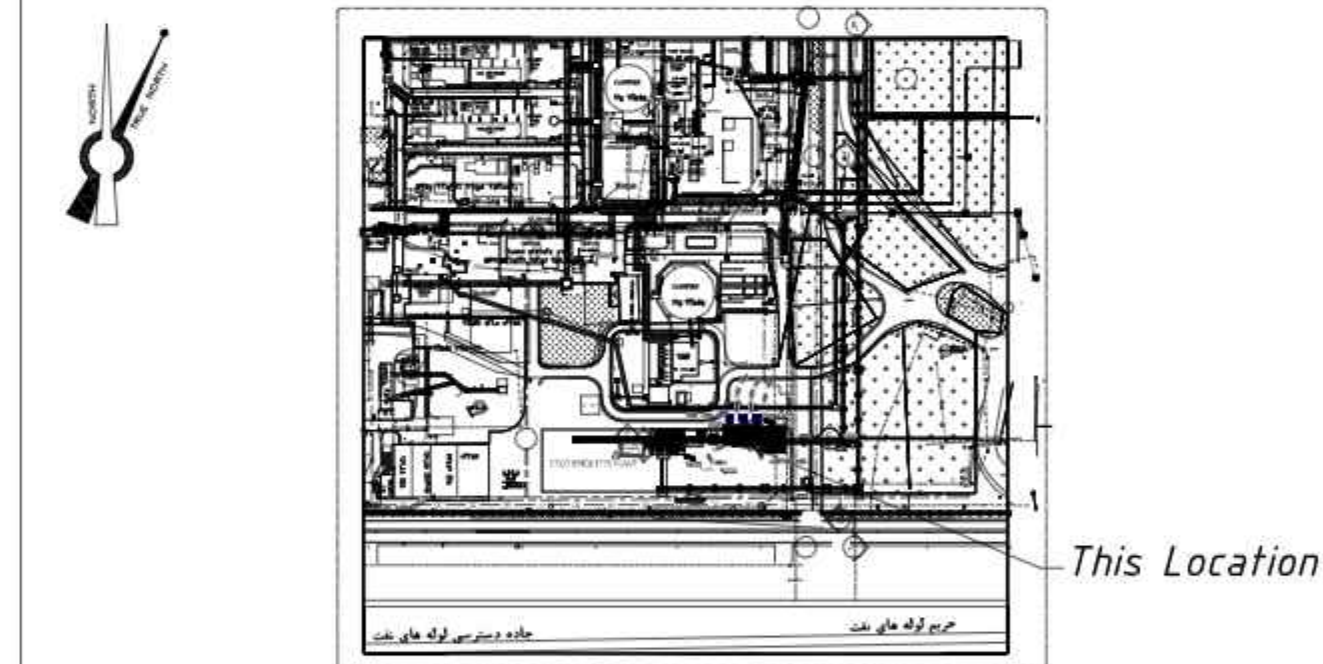
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- 12- IF EXISTING SOIL UNDER FOUNDATION IS SEEN AS UNSUITABLE (REFILLED) SOIL, EXCAVATION UNDER FOUNDATIONS SHALL BE CONTINUED UP TO THE RELIABLE SOIL LAYER BASE ON EXPERT GEOTECHNICAL ENGINEER CONFIRMATION, THEN EXCAVATED REGION SHALL BE FILLED WITH MASS CONCRETE UP TO THE BOTTOM OF FOUNDATION.
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ABBREVIATIONS & LEGEND

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CONT. : CONTINUE BAR	
E.W. : EACH WAY	
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KEY PLAN



REFERENCE DRAWINGS

DESCRIPTION	REF. NO.

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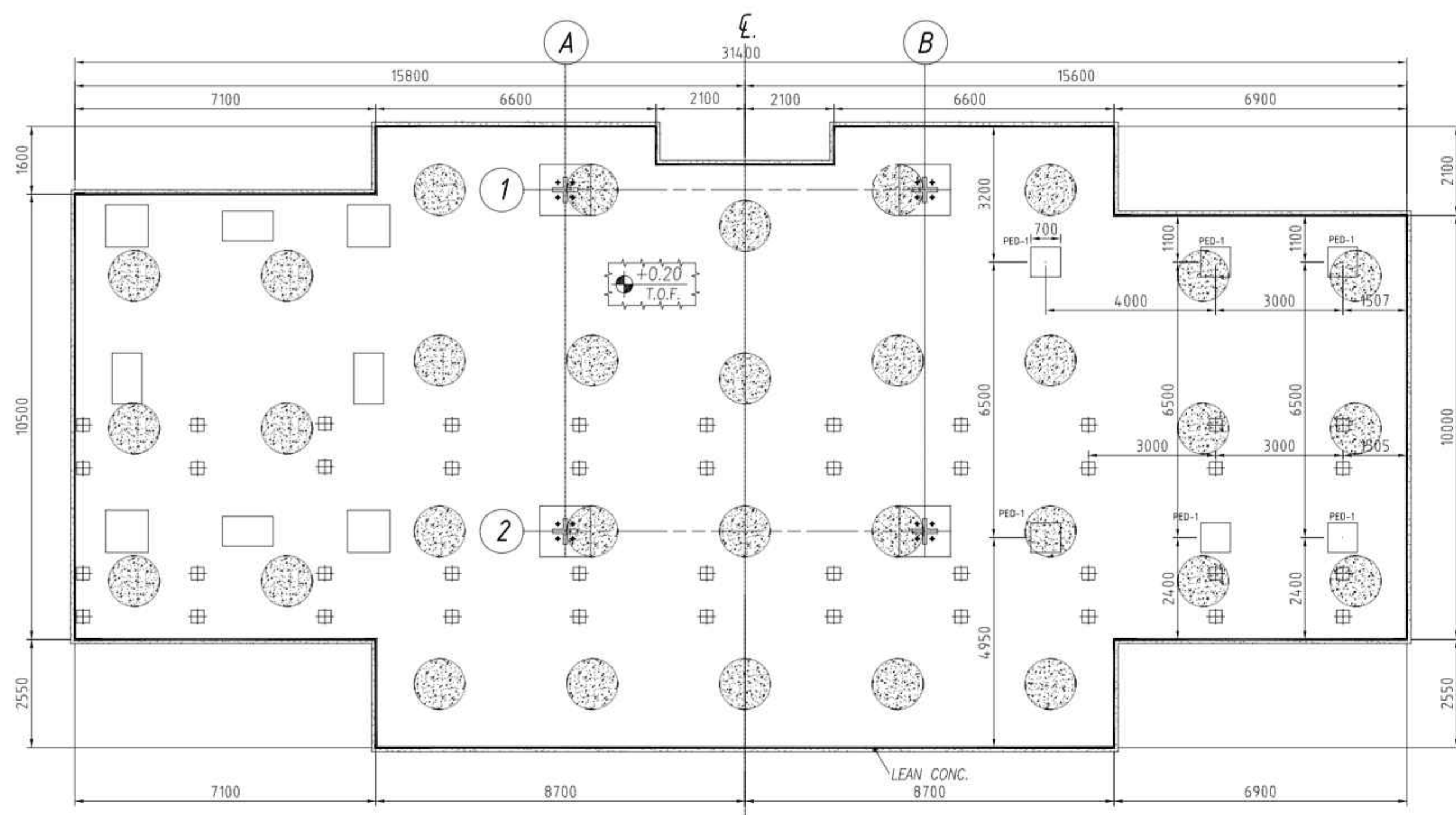
REVISION TABLE

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02	03.03.2025	IFR	N.A.	N.A.	E.S.H.	EP
01	12.01.2025	IFR	N.A.	N.A.	E.S.H.	EP
00	23.11.2024	IFR	N.A.	N.A.	E.S.H.	EP

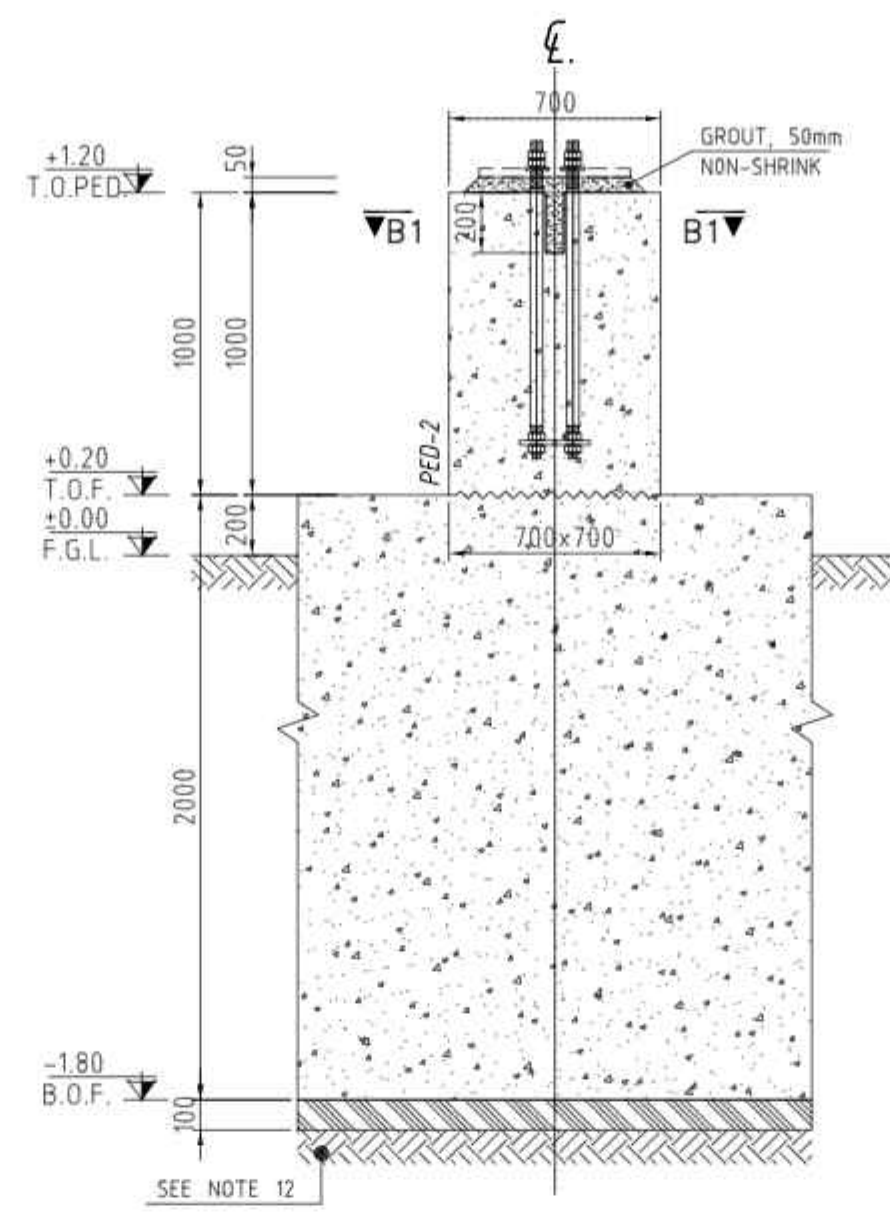
PROJECT TITLE:	COLD BRIQUETTE SPONGE IRON PROJECT
DOCUMENT DESCRIPTION:	TRANSFER TOWER TT04-PILE AND FOUNDATION DRAWINGS

DOCUMENT NO.	4152CBSI-1H-ST-DW-450-19	REV.	SIZE	SCALE	SHEET NO.
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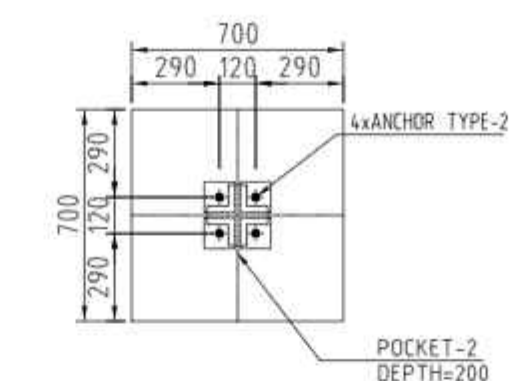
ACCORDING TO ACI 318-INBC 99 WITH C30 & S400



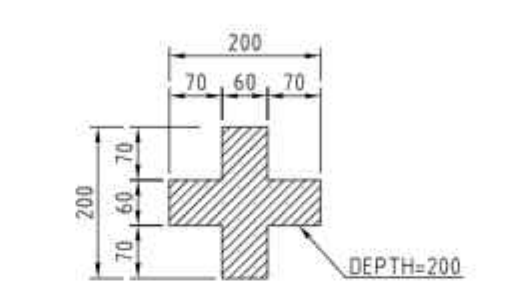
FOUNDATION PLAN
Sc: 1/100



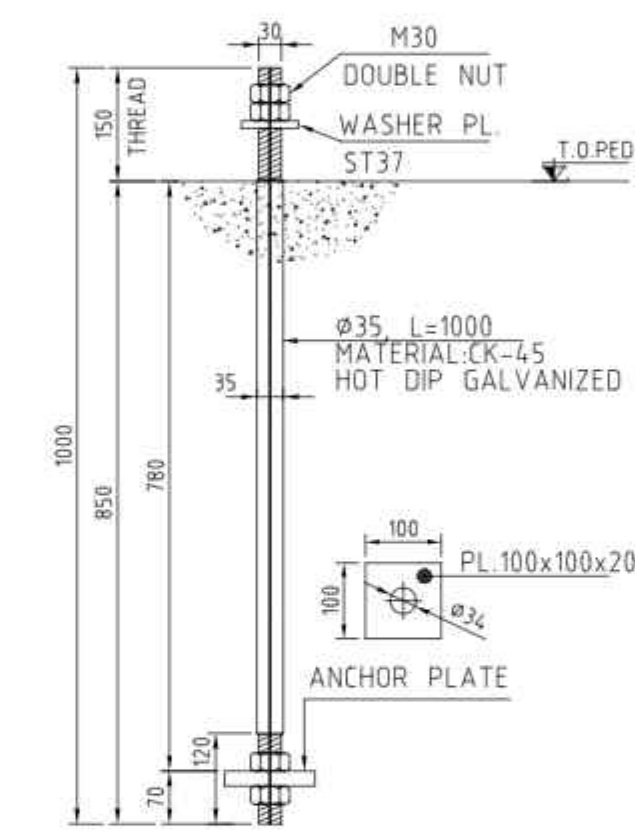
TYPICAL SECTION OF PED-1
Sc: 1/25 NO.:4



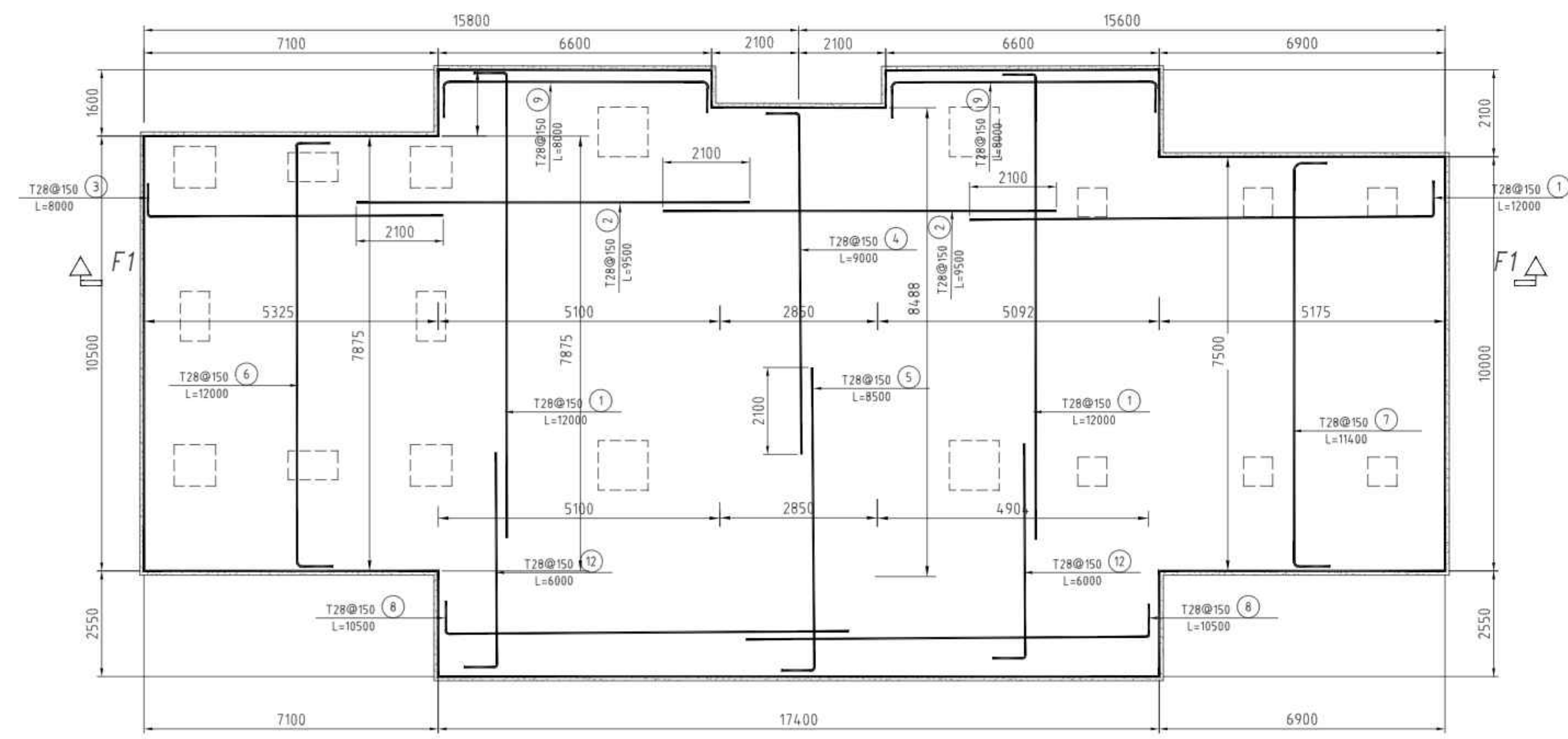
SECTION B1-B1
Sc: 1/25



DETAIL OF POCKET-2
Sc: 1/10



DETAIL OF ANCHOR BOLT TYPE-1
Sc: 1/10 NO.:112



TOP REINFORCEMENT PLAN
Sc: 1/100

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NATURAL SOIL
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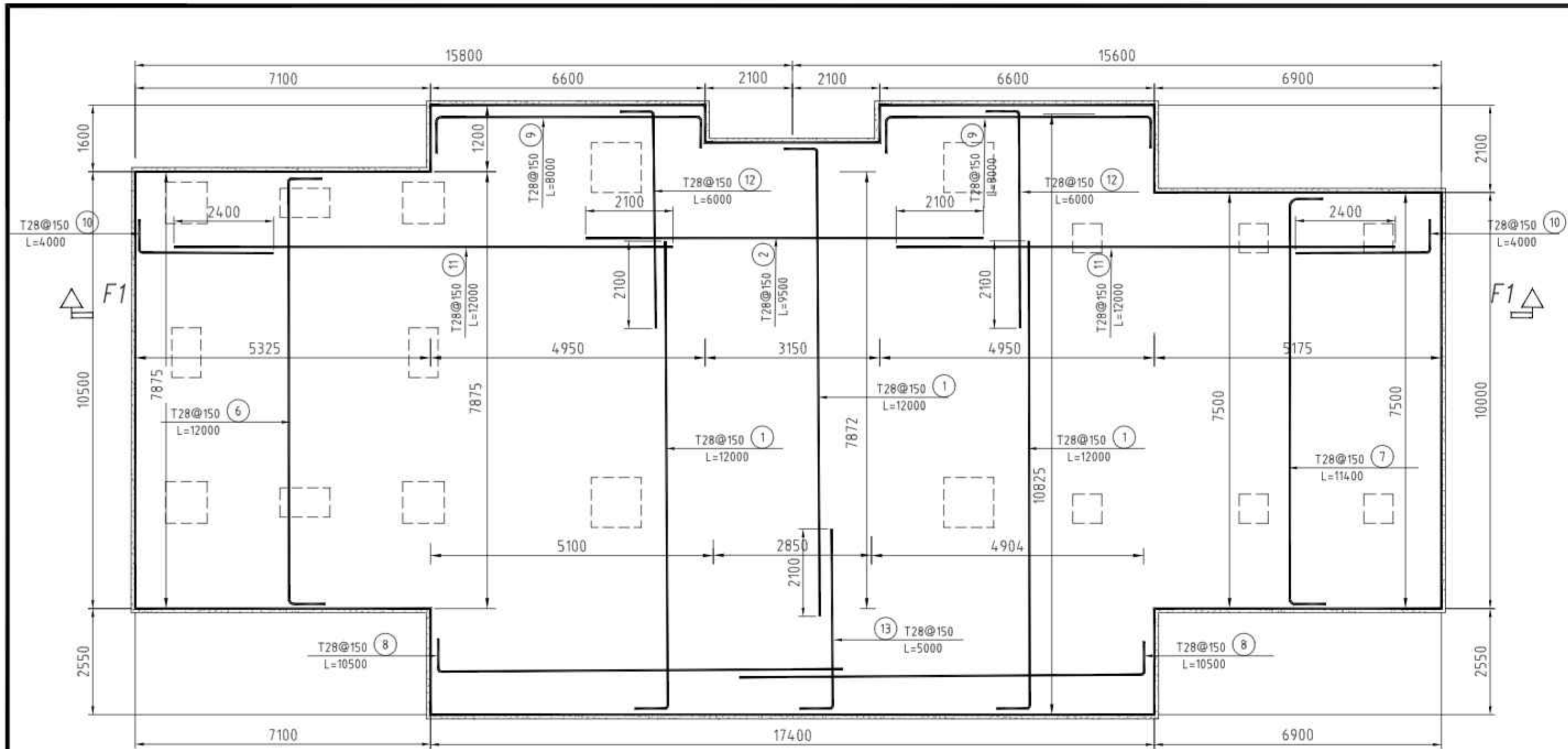
KEY PLAN
This Location

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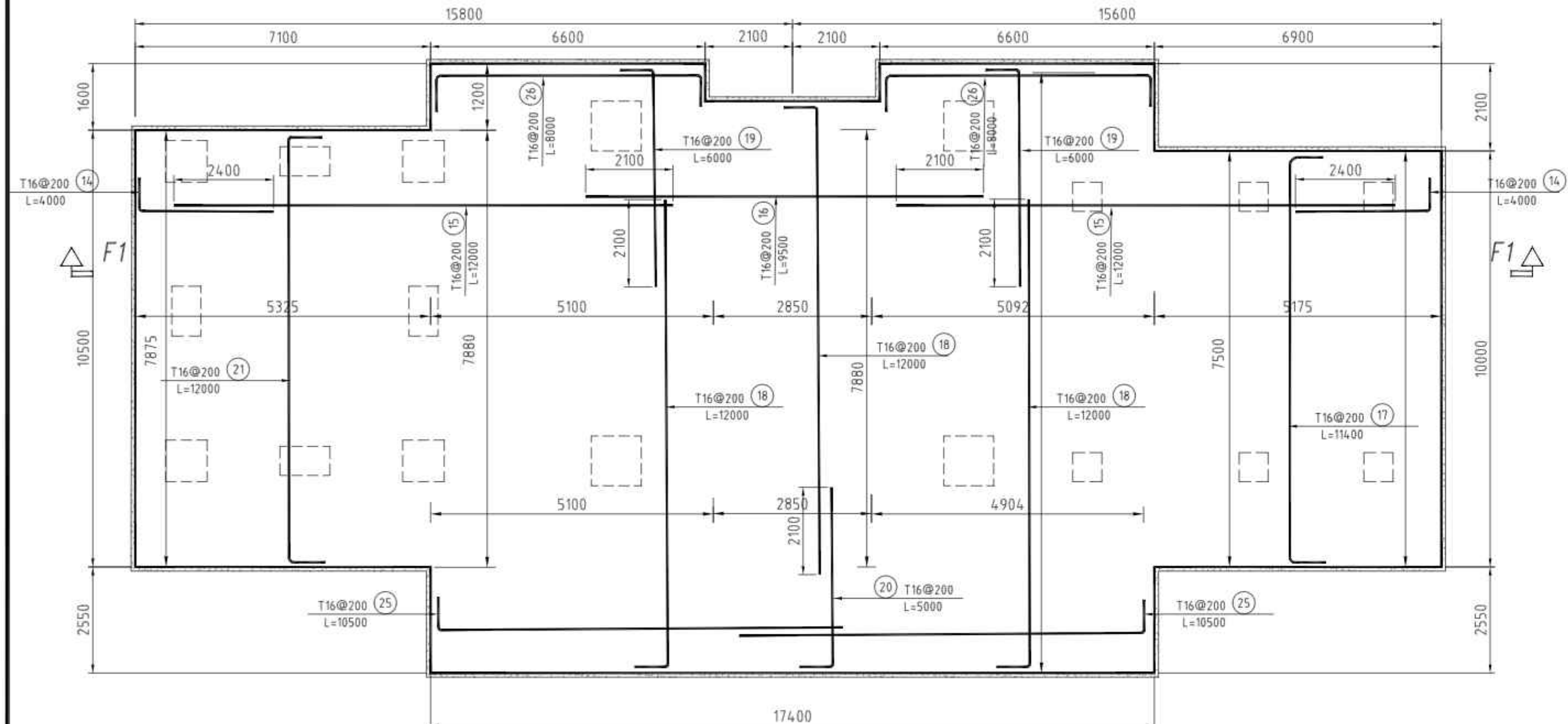
REVISION TABLE
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02 03.03.2025 IFR N.A. N.A. E.SH. EP
01 12.01.2025 IFR N.A. N.A. E.SH. EP
00 23.11.2024 IFR N.A. N.A. E.SH. EP

PROJECT TITLE: COLD BRIQUETTE SPONGE IRON PROJECT
DOCUMENT DESCRIPTION: TRANSFER TOWER TT04-PILE AND FOUNDATION DRAWINGS
DOCUMENT NO. 4152CBSI-1H-ST-DW-450-19 REV. 02 SIZE A1 SCALE 1/150 SHEET NO. 4/6



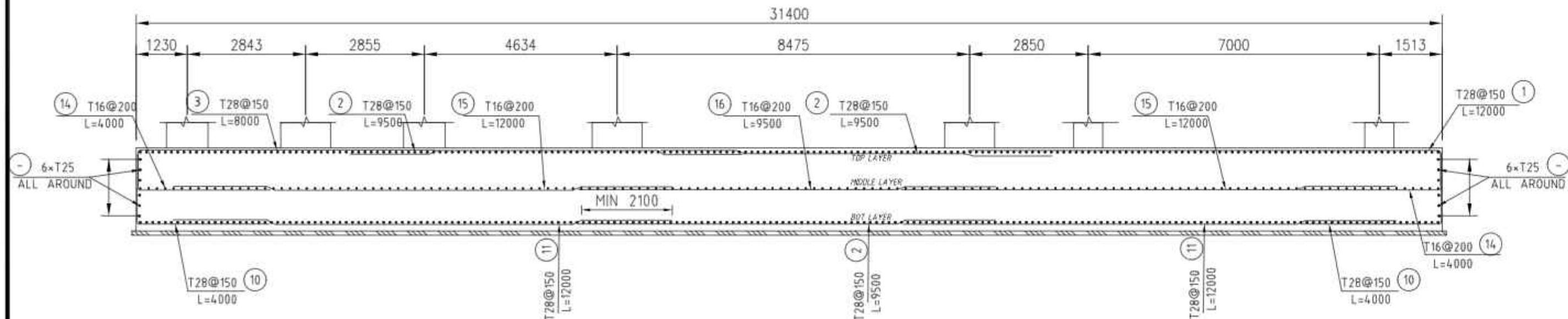
BOTTOM REINFORCEMENT PLAN

Sc: 1/200



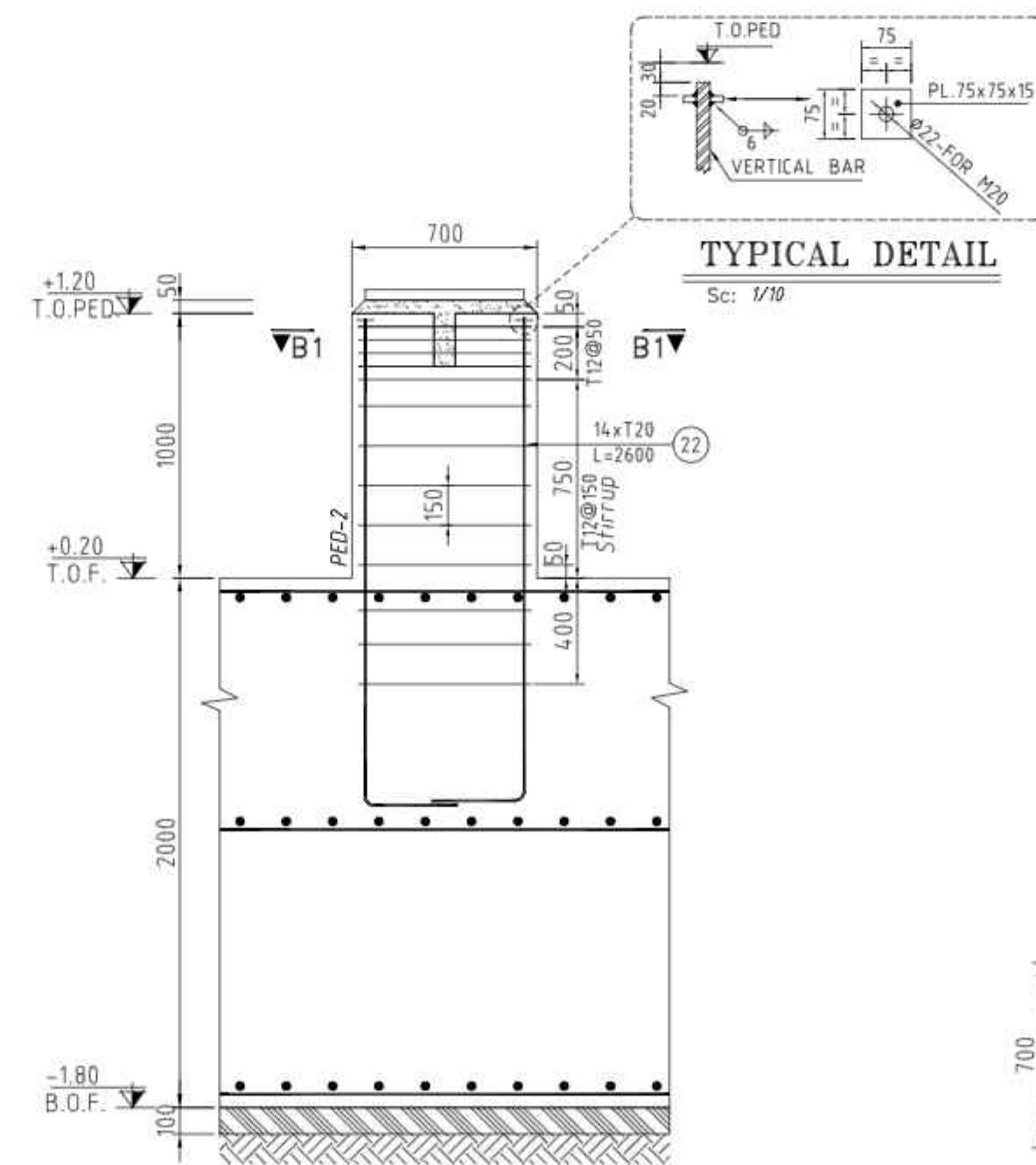
MIDDLE LAYER REINFORCEMENT PLAN

Sc: 1/200



SECTION F1-F1

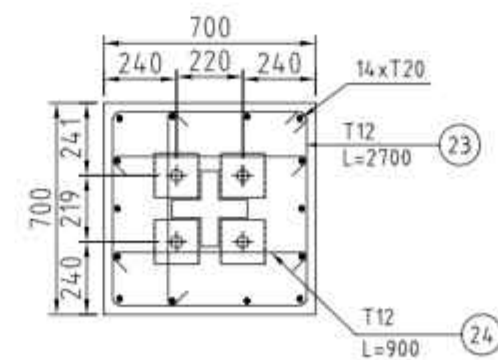
Sc: 1/100



TYPICAL REINFORCEMENT SECTION OF PED-1

Sc: 1/25

NO: 4



SECTION B1-B1

Sc: 1/25

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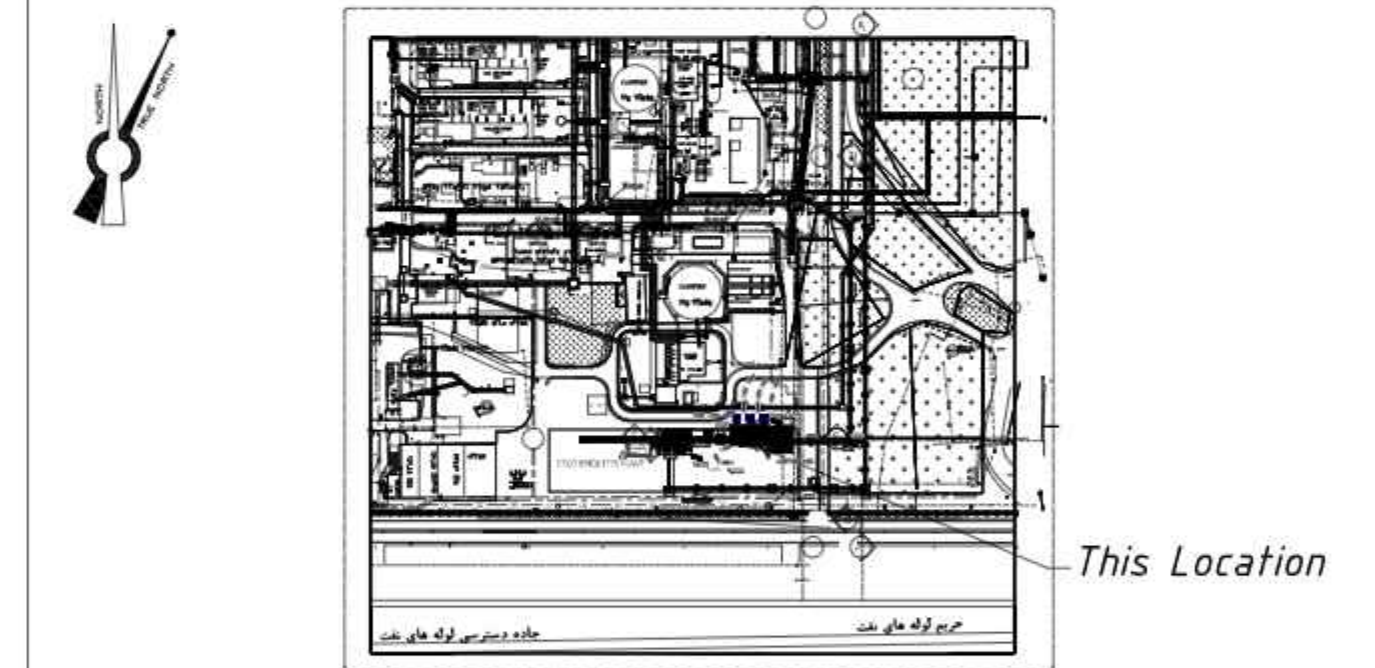
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KEY PLAN



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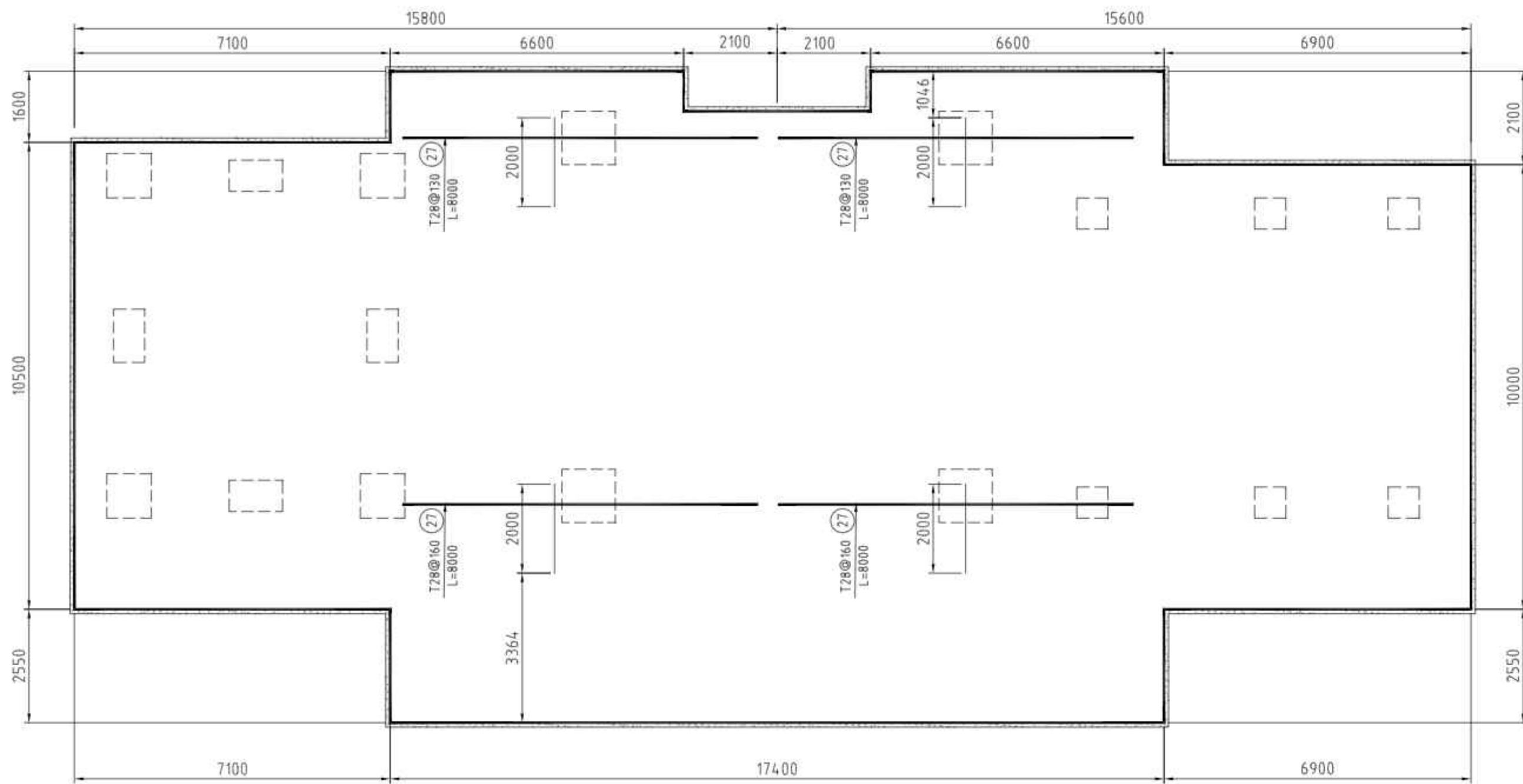
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PROJECT TITLE:	COLD BRIQUETTE SPONGE IRON PROJECT
DOCUMENT DESCRIPTION:	TRANSFER TOWER TT04-PILE AND FOUNDATION DRAWINGS

DOCUMENT NO.	4152CBSI-1H-ST-DW-450-19	REV.	SIZE	SCALE	SHEET NO.
		02	A1	1/150	5/6



BOTTOM ADDITIONAL REINFORCEMENT PLAN

Sc: 1/100

ROUND BARS SCHEDULE													
NAME	POS.	Ø	NO.	LENGTH OF BAR IN METER	LENGTH BY DIAMETER							SHAPE OF BAR	
					Ø10	Ø12	Ø14	Ø16	Ø20	Ø25	Ø28		
1	28	277	12.00								3324.0	800	15000
2	28	210	9.5								1995.0	800	9500
3	28	70	8.00								560.0	800	7200
4	28	25	9.00								207.0	800	8200
5	28	23	8.5								195.5	800	7100
6	28	82	12								1104.0	800	10400
7	28	82	11.4								1048.8	800	9300
8	28	68	10.5								714.0	800	5700
9	28	52	8								416.0	800	4500
10	28	137	4.00								548.0	800	3200
11	28	210	12								714.0	800	10000
12	28	184	8.00								1104.0	800	5200
13	28	52	5.00								260.0	800	5200
14	16	103	4.00						412.0			800	3200
15	16	103	12						1236.0			800	10000
16	16	50	9.5						475.0			800	9200
17	16	46	11.4						524.4			800	8300
18	16	87	12						1044.0			800	10000
19	16	68	6						408.0			800	5200
20	16	19	5						95.0			800	5200
21	16	47	12						564.0			800	10500
22	25	84	2.6							218.4		800	22
23	12	84	2.7			226.8						800	100
24	12	168	0.9			151.2						800	100
25	16	34	10.5						357.0000			800	9200
26	16	28	8						208			800	6400
27	28	56	8.00								448.0000	800	8000
TOTAL LENGTH m.						378.00		5323.40		218.40	12638.30		
UNIT WEIGHT kg/m						0.617	0.888	1.210	2.000	2.980	3.850	4.830	
TOTAL WEIGHT kg						335.66				840.84	41042.99		
GRAND TOTAL kg								62219.49					

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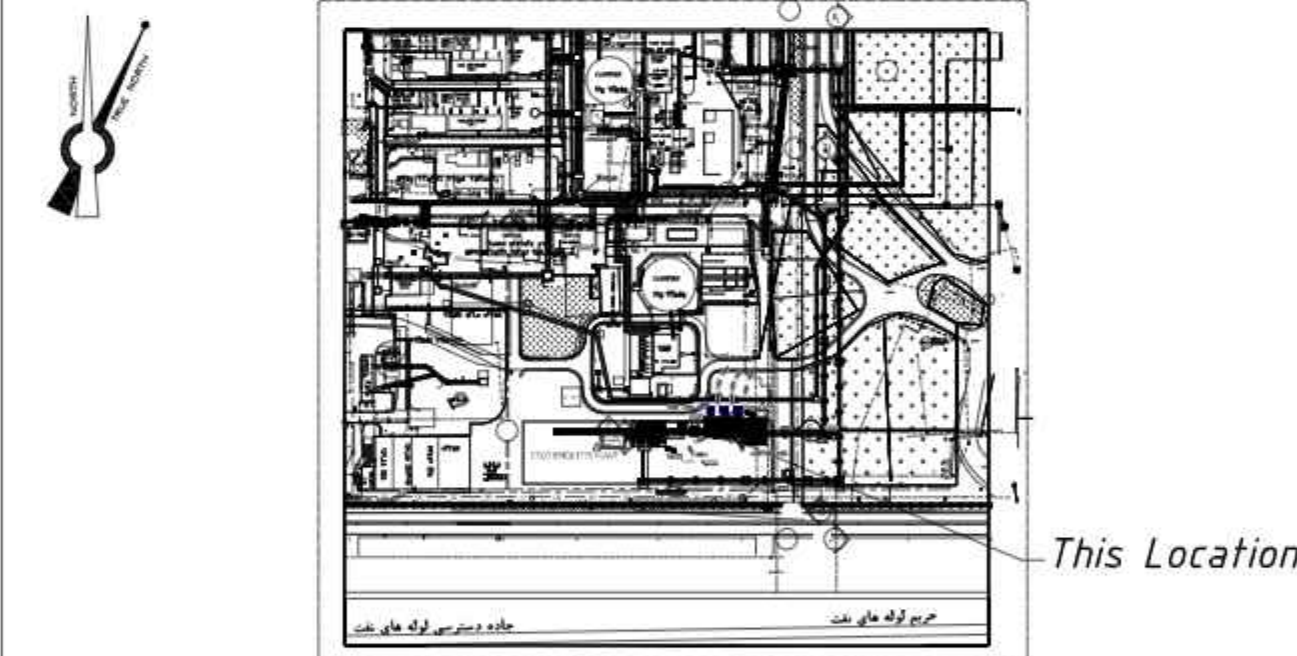
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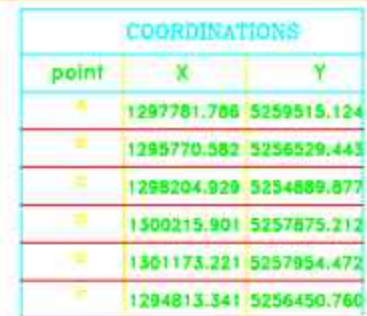
REVISION TABLE

REV.	Date	DESCRIPTION	Prepared	Checked	Approved by Contractor	Approved by Client
02	06.04.2025	IFC	M.K.Kazem	M.Zargarani	M.Bakhit	EP
02	03.03.2025	IFR	N.A.	N.A.	E.SH.	EP
01	12.01.2025	IFR	N.A.	N.A.	E.SH.	EP
00	23.11.2024	IFR	N.A.	N.A.	E.SH.	EP

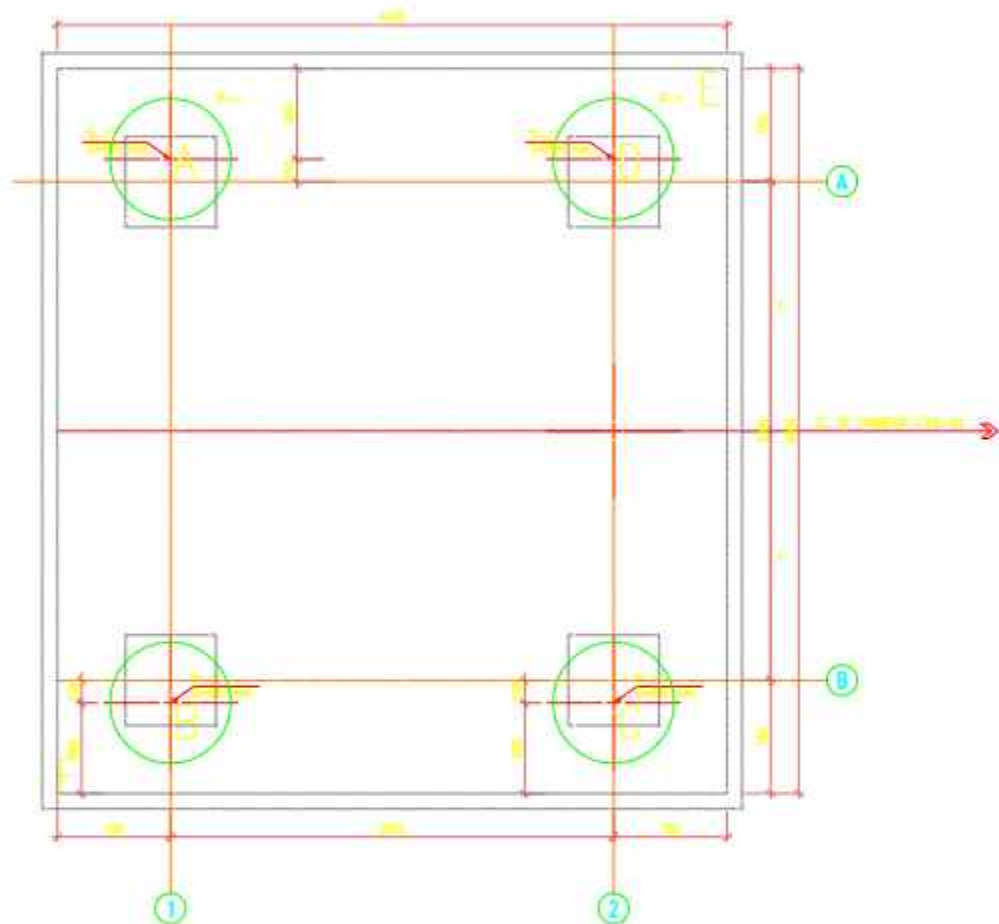
PROJECT TITLE: COLD BRIQUETTE SPONGE IRON PROJECT

DOCUMENT DESCRIPTION: TRANSFER TOWER TT04-PILE AND FOUNDATION DRAWINGS

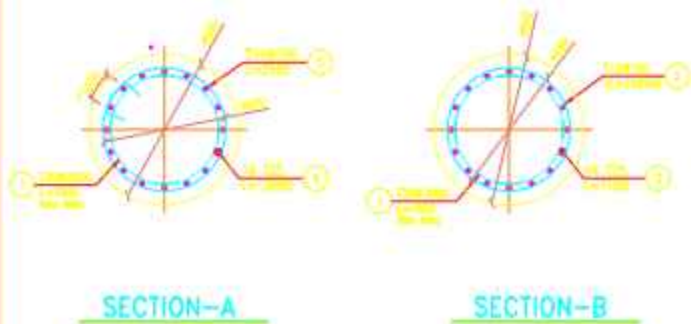
DOCUMENT NO.	4152CBSI-1H-ST-DW-450-19	REV.	SIZE	SCALE	SHEET NO.
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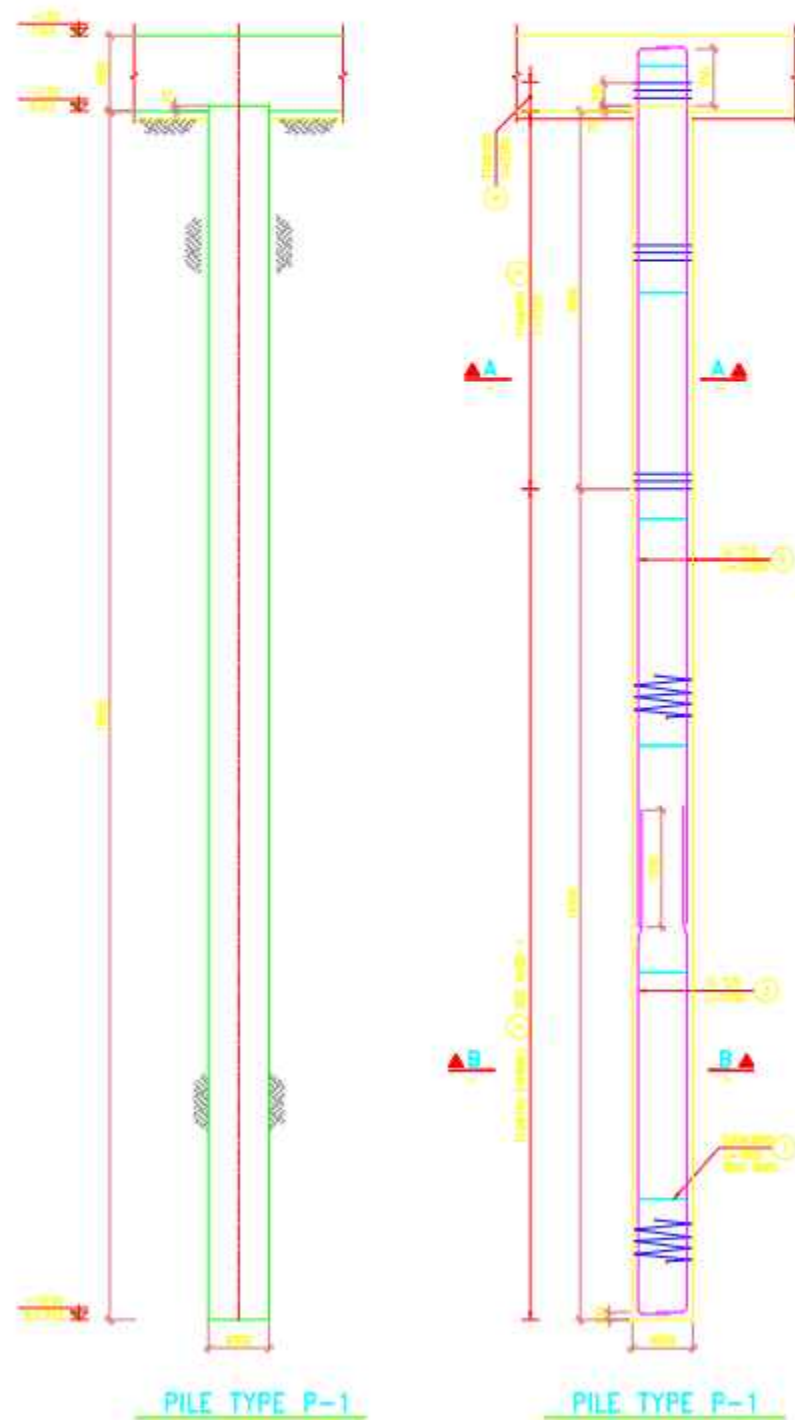
FOUNDATION LAYOUT PLAN OF CONVEYOR C.V.B.-02



PILE ARRANGEMENT PLAN



BAR BENDING SCHEDULE FOR PILE								
Pos.	Spec.	Shape	L	No.	T12	T14	T20	T25
1	T20		1.000	14			42.00	
2	T12		0.666.66	1	666.66			
3	T20		0.71	14				42.00
4	T20		1.2	11				42.00
5	T12		2.25	200		450		
6	T12		2.00	10		20.00		
TOTAL LENGTH (m)					404.26	666.66	42.00	722.00
UNIT WEIGHT (kg)					1.328	1.208	2.468	2.985
WEIGHT (kg)					536.7	805.2	103.8	2151.6
GRAND TOTAL (Kg)					6036			



GENERAL NOTES

- 1- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.
2- ALL THE ELEVATIONS ARE RELATED TO THE +0.00 OF THE SITE.
3- ELEVATION OF +0.00 IS EQUAL TO +0.31 OF THE SITE.
4- ALL STRUCTURAL CONCRETE SHALL BE OF STRENGTH CLASS USING TYPE 4 CEMENT.
5- ALL CONCRETE CORNICES IN CONTACT WITH SOIL SHALL HAVE A MINIMUM COVER OF 75MM.
THE MINIMUM COVER FOR WALL AND SLAB IS 50mm AND FOR COLUMNS AND BEAMS IS 50

SPECIFIC NOTES

- 3- ALL DIMENSIONS ARE IN MM.
- 3- ALL ELEVATION AND CO-ORDINATES ARE IN METER.
- 3- CONTRACTOR SHALL USE STRUCTURAL DRAWINGS IN CONNECTION WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL AND SITE DRAWINGS PRIOR TO CONSTRUCTION COMMENCEMENT. ANY INCONSISTENCY BETWEEN MENTIONED DRAWINGS SHALL BE REPORTED AND SOLVED PRIOR TO CONSTRUCTION.
- 4- CONSTRUCTION SHALL ENDOX AND HONEY DIMENSIONS AND ANY DISCREPANCY SHALL BE REPORTED BEFORE CONSTRUCTION COMMENCEMENT.
- 3- 28 DAY CHARACTERISTIC COMPRESSIVE STRENGTH OF CONCRETE IS 25 MPA FOR CYLINDRICAL SPECIMEN UNLESS NOTED OTHERWISE.
- 4- LEAN CONCRETE SHALL HAVE MINIMUM CEMENT CONTENT OF 50 Kg/m³.
- 1- DEVELOPED REINFORCEMENT BAR TYPE IS AS FOLLOWS WITH YIELD STRESS OF $F_y = 460 \text{ N/mm}^2$ AND ULTIMATE STRESS OF 560 MPa.
- 8- MATERIAL OF SPOT IS AS HIGH STRENGTH GRADE 10.9% ACCORDING TO "EN 14398, 10.9" WITH FINISHED SURFACE.
- 4- MATERIAL OF ANCHOR PLATE IS ST-55 WITH YIELD STRESS OF $F_y = 460 \text{ N/mm}^2$ UNLESS NOTED OTHERWISE.
- 10- CEMENT TO BE PORTLAND ACCORDING TO SNI SPECIFICATION.
- 11- COVER FOR FOUNDATION AND PILEHEAD IS GIVEN AS FOLLOWS FOR THE PLACES THAT IS PAVED WITH SOIL.
- 12- IF EXISTING SOIL UNDER FOUNDATION IS SOFT AS INDICATED BY SPT, OR EXAMINATION UNDER FOUNDATIONS SHALL BE CONTINUED UP TO THE REMAINING SOIL LAYER BASE ON EXPERT GEO-TECHNICAL ENGINEER CONSIDERATION, THEN EXCAVATED REGION SHALL BE FILLED WITH MASS CONCRETE UP TO THE BOTTOM OF FOUNDATION.
- 13- whenever "SOIL" SOIL IS INDICATED IN THIS DRAWING, IT MEANS THAT CONSTRUCTION IS NOT PERMITTED UNTIL THE SOIL IS REMOVED.
- 14- PROCESS SHALL BE FILLED WITH EXPANDABLE GROUT WHEN DIRECTION OF STRUCTURE OR ELEMENT IS COMPLETE.

ABBREVIATIONS & LEGEND

3.1.1.1	BOTTOM OF ASH CONCRETE		Bottom Ash
3.1.1.2	WALL ASH		Wall Ash
3.1.1.3	SHOWER WALL		Shower Wall
3.1.1.4	SHOWER DRAINAGE LEVEL		Shower Drainage
3.1.1.5	WALL JOINT OF ASH		Shower Wall
3.1.1.6	TOP OF INSULATION		Shower Wall
3.1.1.7	BOTTOM OF INSULATION		Shower Wall
3.1.1.8	TOP OF INSULATION		Shower Wall
3.1.1.9	TOP OF CONCRETE		Shower Wall
3.1.1.10	TOP OF WALL		Shower Wall
3.1.1.11	TOP OF SLAB		Shower Wall
3.1.1.12	TOP OF JOINT		Shower Wall
3.1.1.13	TOP JOINT BOTTOM		Shower Wall
3.1.1.14	SHOWER DRAIN		Shower Wall
3.1.1.15	SHOWER JOINT		Shower Wall
3.1.1.16	SHOWER JOINT		Shower Wall

KEY PLAN



REFERENCE DRAWINGS

DESCRIPTION	REF. NO.

CONVENT TABL

- | | |
|--------------------------|---|
| ☐ | AP: "Approved": No comment and the document is released for construction manufacturing |
| ☐ | AP: "Approve in Part": Contractor, Vendor, Sub-Contractor shall correct, revise and release the document. The document can be released for construction/manufacturing if changes recognized |
| ☐ | CO: "Commented": Contractor, Vendor, Sub-Contractor shall correct, revise and resubmit the document by the date specified |
| ☐ | RE: "Reject": Contractor, Vendor, Sub-Contractor shall resubmit redesigning the document. The document is not to be released for construction/manufacturing. The contractor documents shall be resubmitted before starting the construction/manufacturing process |



Date: _____
Signature: _____

REVISION TABLE

FACILITY INFORMATION					
REV.	DATE	POI	Prepared	Checked	Approved
02	10.01.2025	(FR)	R.D.	N.D.	CSH



PROJECT TITLE	PROJECT NUMBER	PROJECT TYPE	PROJECT STATUS	PROJECT START DATE	PROJECT END DATE	PROJECT BUDGET	PROJECT MANAGER	PROJECT TEAM	PROJECT DESCRIPTION	PROJECT COMMENTS
Project A	101	Software Development	In Progress	2023-01-01	2023-06-30	\$1,200,000	John Doe	John Doe, Jane Smith, Bob Johnson	Develop a new software application for the company's internal use.	Project is on track. All milestones are being met.
Project B	102	Hardware Upgrade	Completed	2022-03-01	2022-09-30	\$800,000	Jane Smith	Jane Smith, Bob Johnson, Alice Brown	Upgrade the company's server infrastructure to improve performance.	Project completed successfully. All hardware is installed and running.
Project C	103	Marketing Campaign	On Hold	2023-07-01	2023-12-31	\$500,000	Bob Johnson	Bob Johnson, Alice Brown, John Doe	Launch a new marketing campaign for the company's latest product.	Project is on hold due to budget constraints.
Project D	104	Research & Development	Planned	2024-01-01	2024-12-31	\$2,000,000	Alice Brown	Alice Brown, John Doe, Jane Smith	Conduct research and development for a new product line.	Project is in the planning phase.

COLD BRIQUETTE SPONGE IRON PROJECT

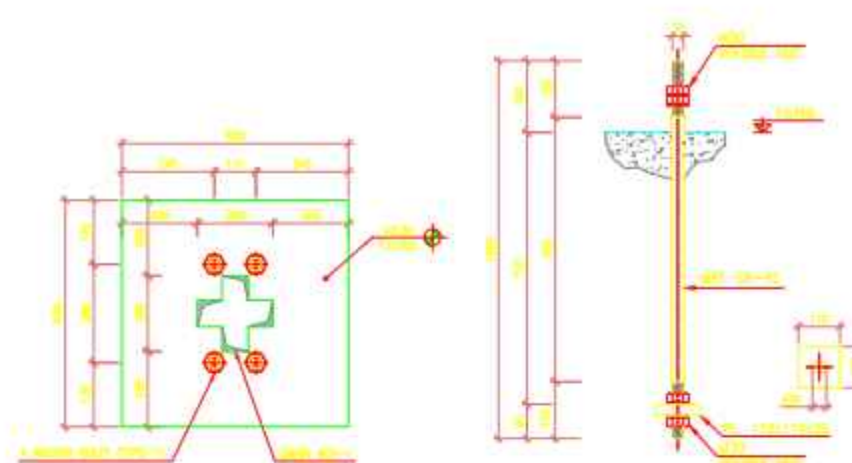


SIC	
DOCUMENT DESCRIPTION	

Gallery of CVB02-Pile and Foundation Drawings

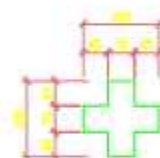
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FOUNDATION PLAN TYPE F-1

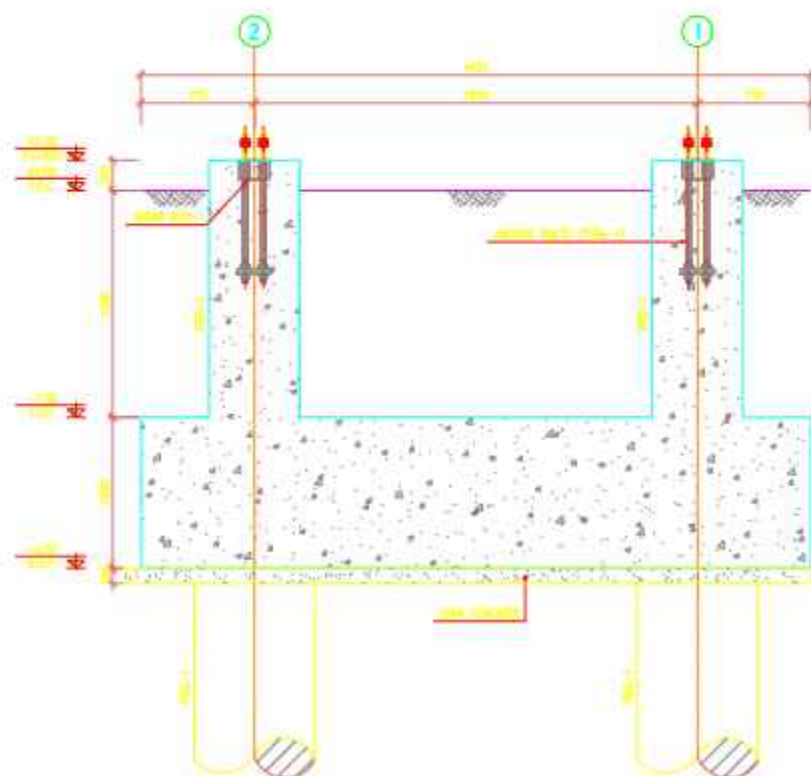


PEDESTAL TYPE PED-1

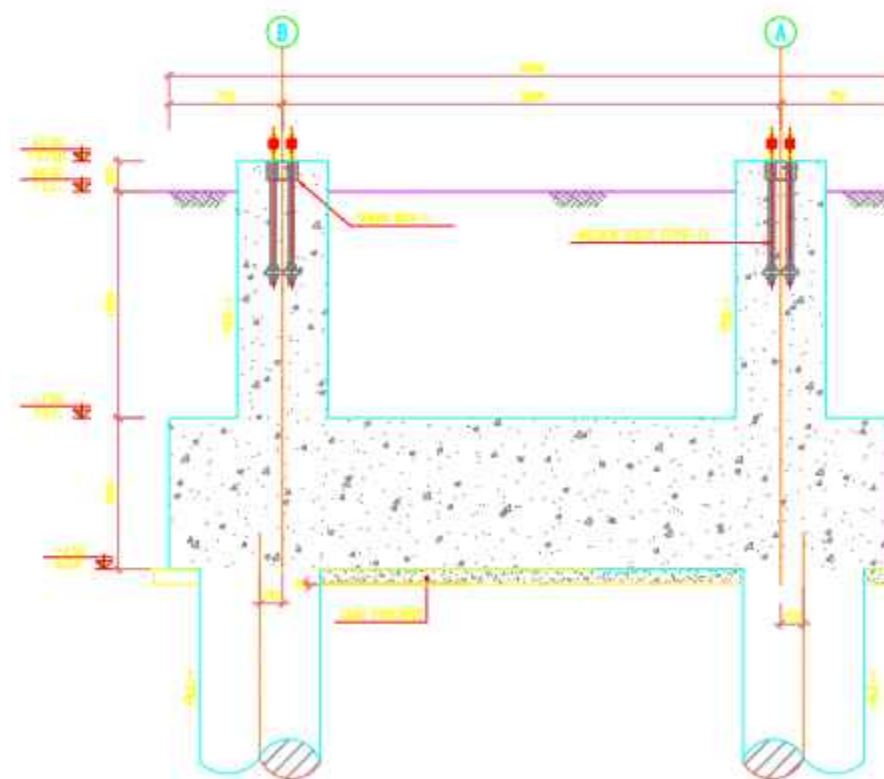
ANCHORE BOLT (TYPE-1)



SHEAR BOX-1



SECTION-A



SECTION-B

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.
2. ALL THE ELEVATIONS ARE RELATED TO THE +0.00 OF THE SITE.
3. ELEVATION OF +0.00 IS EQUAL TO +0.10 OF THE SITE.
4- ALL STRUCTURAL CONCRETE SHALL BE OF STRENGTH CLASS USING TYPE 4 CEMENT.
5- ALL CONCRETE SURFACES IN CONTACT WITH SOIL SHALL HAVE A MINIMUM COVER OF 75mm.
THE MINIMUM COVER FOR WALL AND SLAB IS 30mm AND FOR COLUMN AND BEAMS IS 50 mm

SPECIFIC NOTES

- 3- ALL DIMENSIONS ARE IN INCH.
- 3- ALL ELEVATION AND CO-ORDINATES ARE IN FEET.
- 3- CONTRACTOR SHALL USE STRUCTURAL DRAWINGS IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL AND SITE DRAWINGS PRIOR TO CONSTRUCTION COMMENCEMENT. ANY INCONSISTENCY BETWEEN MENTIONED DRAWINGS SHALL BE REPORTED AND SOLVED PRIOR TO CONSTRUCTION.
- 4- (CONTRACTOR SHALL) CHECK AND VERIFY DIMENSIONS AND ANY INCONSISTENCY SHALL BE REPORTED BEFORE CONSTRUCTION COMMENCEMENT.
- 5- 28 DAY CHARACTERISTIC COMPRESSIVE STRENGTH OF CONCRETE IS 5000 PSI IN CYLINDRICAL. (WHEN RESULTS NOTED OTHERWISE)
- 6- LEAN CONCRETE SHALL HAVE MINIMUM CEMENT CONTENT OF 150 LBS/CY.
- 7- REINFORCED REINFORCED BAR TYPE IS A5-A WITH YIELD STRESS OF 60,000 LBS/IN² AND ULTIMATE STRESS AT BREAK 80,000.
- 8- MATERIAL OF NAIL IS A5-A HIGH STRENGTH GRADE 100% ACCORDING TO "AISC 360-16" WITH FUNDING 50KSI.
- 8- MATERIAL OF ANCHOR PLATE IS 57-50 WITH YIELD STRESS OF 60,000 LBS/IN² (WHEN NOTED OTHERWISE)
- 9- CEMENT TO BE PORTLAND ACCORDING TO AISC SPECIFICATION.
- 10- OTHER FOR FOUNDATION AND FOOTING IS AS SHOWN AND SAME FOR THE PLACES THAT IS PAVED WITH SOL.
- 10-4 EXISTING SOIL UNDER FOUNDATION IS SOIL AS INDICATED BY THE PLACES THAT IS PAVED WITH SOL. FOUNDATIONS SHALL BE CONSTRUCTED UP TO THE REMAINING SOIL LAYER BASE ON EXISTING GEOTECHNICAL DESIGN INFORMATION. THEN EXCAVATED REGION SHALL BE FILLED WITH MASS CONCRETE UP TO THE BOTTOM OF FOUNDATION.
- 10-5 EXISTING "SOIL" IS INDICATED IN THIS DRAWING. IT MEANS THAT CONSTRUCTION IS NOT PERMITTED UNTIL THE SOIL IS REMOVED.
- 10-6 REINFORCING SHALL BE FILLED WITH EXPANSIBLE GROUT WHEN DIRECTION OF STRUCTURE OR ELEMENT IS COMPLETE.

ABBREVIATIONS & LEGEND

4.2.1.1	ATTEN AT JAIL CONCRETE		ATTEN AT JAIL
4.2.1.2	WALL CURB		JAIL CURB
4.2.1.3	CONCRETE LINE		CONCRETE
4.2.1.4	FINISH GRADE LEVEL		
4.2.1.5	WALL POINT OF BEGINNING		
4.2.1.6	TOP OF FOUNDATION		
4.2.1.7	ATTEN AT FOUNDATION		
4.2.1.8	TOP OF FOUNDATION		
4.2.1.9	TOP OF CONCRETE		
4.2.1.10	TOP OF WALL		
4.2.1.11	TOP OF SLAB		
4.2.1.12	TOP OF BRICK		
4.2.1.13	TOP AND BOTTOM		
4.2.1.14	CONCRETE BAR		
4.2	BACK VIEW		
4.2.1	BACK VIEW		
4.2	BACK VIEW		
4.2	BACK VIEW		

KEY PLAN



REFERENCE DRAWINGS

DESCRIPTION	REF. NO.

CONVENT TABLE

- | | |
|--------------------------|--|
| ☐ | IP: "Approved": No comment and the document is released for construction/manufacturing |
| ☐ | IP: "Approval in Progress": Contractor, Vendor, Sub-Contractor shall correct / revise and resubmit the document. The document can be released for construction/manufacturing if change is approved. |
| ☐ | CO: "Commented": Contractor, Vendor, Sub-Contractor shall correct / revise and / resubmit the document by the date stated. |
| ☐ | RE: "Reject": Contractor, Vendor, Sub-Contractor shall submit resignation/stop the document according to the comments / reasons for rejection. If the comments / reasons shall be resolved before starting the construction/manufacturing process. |

Date: _____
Signature: _____

REVISION TABLE

EXPENDITURE STATEMENT							
NO.	DATE	DESCRIPTION	AMOUNT	CHECK NO.	CHECK DATE	APPROVED BY	REMARKS
01	12/21/2023	OFFICE SUPPLIES	100.00	1234	12/21/23	J. SMITH	
02	12/22/2023	TRAVEL EXPENSE	250.00	5678	12/22/23	J. SMITH	
03	12/23/2023	TELEPHONE BILLS	75.00	9012	12/23/23	J. SMITH	
04	12/24/2023	RENTAL CAR	150.00	3456	12/24/23	J. SMITH	
05	12/25/2023	FOOD & BEVERAGE	80.00	7890	12/25/23	J. SMITH	
06	12/26/2023	UTILITIES	120.00	2345	12/26/23	J. SMITH	
07	12/27/2023	MAINTENANCE	90.00	6789	12/27/23	J. SMITH	
08	12/28/2023	INSURANCE	110.00	0123	12/28/23	J. SMITH	
09	12/29/2023	POSTAGE	40.00	4567	12/29/23	J. SMITH	
10	12/30/2023	OTHER	60.00	8901	12/30/23	J. SMITH	
TOTAL			1,085.00				



PROJECT TITLE	PROJECT NUMBER	PROJECT TYPE	PROJECT STATUS	PROJECT START DATE	PROJECT END DATE	PROJECT BUDGET	PROJECT MANAGER	PROJECT TEAM	PROJECT DESCRIPTION	PROJECT OUTCOMES	PROJECT CHALLENGES	PROJECT LESSONS LEARNED
Project A	101	Software Development	Completed	2023-01-01	2023-03-31	\$50,000	John Doe	John Doe, Jane Smith, Bob Johnson	Developed a new software application for the company's internal use.	Improved efficiency and reduced errors.	Scope creep and budget overruns.	Clear communication and strict budget control.
Project B	102	Hardware Upgrade	In Progress	2023-04-01	2023-06-30	\$75,000	Jane Smith	Jane Smith, Bob Johnson, Alice Brown	Upgraded the company's server infrastructure to improve performance.	Increased system reliability and speed.	Hardware delays and compatibility issues.	Thorough testing and vendor management.
Project C	103	Marketing Campaign	Planned	2023-07-01	2023-09-30	\$30,000	Bob Johnson	Bob Johnson, Alice Brown, John Doe	Launched a new marketing campaign to promote the company's products.	Increased brand awareness and sales.	Low engagement and budget constraints.	Targeted messaging and creative content.
Project D	104	Research & Development	On Hold	2023-01-01	2023-05-31	\$100,000	Alice Brown	Alice Brown, John Doe, Jane Smith	Conducted research and development for a new product line.	Identified market opportunities and potential risks.	Lack of funding and market uncertainty.	Strategic planning and risk mitigation.

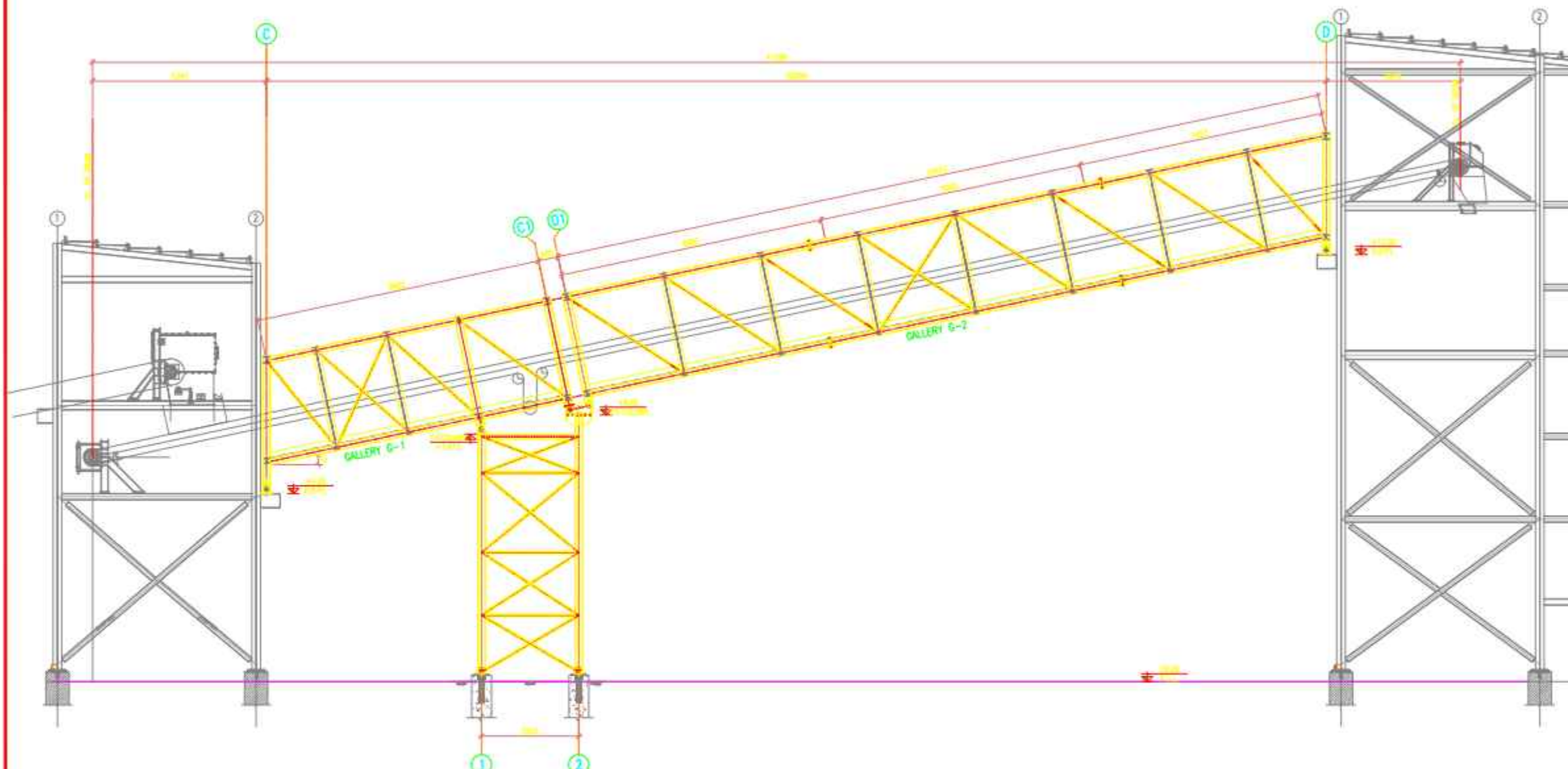
COLD BRIQUETTE SPONGE IRON PROJECT



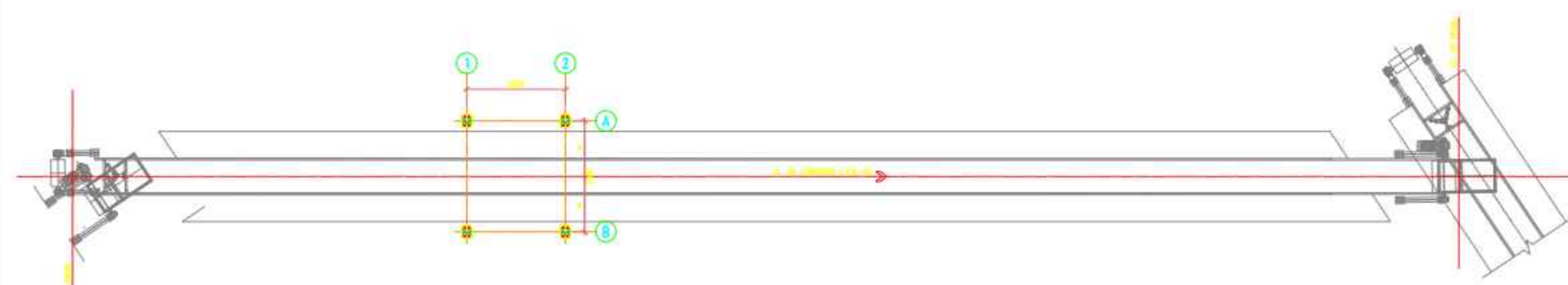
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DOCUMENT DESCRIPTION	

Gallery of CVB02-Pile and Foundation Drawings

DOCUMENT NO.	1122222-1A-ST-27M-420-00	REV.	SIZE	SCALE	SHEET
		00	SIZE	SCALE	1



FRAMING ELEVATION LAYOUT



FRAMING LAYOUT PLAN

GENERAL NOTES

1. ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE.
2. ALL THE ELEVATIONS ARE RELATED TO THE JUMP OF THE SITE.
3. ELEVATION OF JUMP IS EQUAL TO +0.25 OF THE SITE.
4. ALL STRUCTURAL CONCRETE SHALL BE OF STRENGTH C30, GRADE TYPE B CONCRETE.
5. ALL CONCRETE SURFACES IN CONTACT WITH SOIL SHALL HAVE A MINIMUM COVER OF 75mm. THE MINIMUM COVER FOR WALL AND SLAB IS 50mm AND FOR COLUMNS AND BEAMS IS 30mm.

SPECIFIC NOTES

1. ALL DIMENSIONS ARE IN mm.
2. ALL ELEVATION AND CO-ORDINATES ARE IN METERS.
3. CONTRACTOR SHALL CO-ORDINATE DIMENSIONS IN CONNECTION WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL AND ITS DIMENSIONS FROM TO CONSTRUCTION COMMENCEMENT. ANY INCONGRUITY BETWEEN DIMENSIONS DIMENSIONS SHALL BE REPORTED AND TOLERANCE FROM TO CONSTRUCTION.
4. CONTRACTOR SHALL COVER AND PROTECT DIMENSIONS AND ANY DIMENSIONS SHALL BE REPORTED BEFORE CONSTRUCTION COMMENCEMENT.
5. IN CASE CONTRACTOR'S COMPRESSION STRENGTH OF CONCRETE IS NOT AS PER STRENGTH OF CONCRETE SPECIFIED IN THE SPECIFICATION.
6. LEAN CONCRETE SHALL BE IN PROPORTION OF 1:1.5:3.
7. DIMENSIONS AND STRENGTH OF TYPE IS AS A-B WITH YIELD STRENGTH OF 415 MPa and 250 MPa.
8. MATERIAL OF RAIL IS AS PER STRENGTH SPECIFIED IN THE SPECIFICATION, WITH YIELD STRENGTH OF 415 MPa.
9. MATERIAL OF ANCHOR PLATE IS 10-12 WITH YIELD STRENGTH OF 415 MPa and 250 MPa.
10. CONCRETE TO BE PROTECTED AND COVERED BY THE CONTRACTOR.
11. COVER FOR FOUNDATION AND PROTECT IS 75mm AND THE PLATE THAT IS FACED WITH SOIL.
12. IF DIMENSIONS FOR FOUNDATION, SUCH AS DIMENSIONS, SHALL BE REPORTED TO THE CONTRACTOR BEFORE FOUNDATION SHALL BE CONTINUED BY THE CONTRACTOR, LATER BASE ON THE CONTRACTOR'S DIMENSIONS DIMENSIONS. THEN FOUNDATION SHALL BE FILLED WITH MASS CONCRETE UP TO THE BOTTOM OF FOUNDATION.
13. WHEN ANY DIMENSIONS IS NOT SPECIFIED IN THE DRAWING, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPORT THE DIMENSIONS TO THE CONTRACTOR.
14. DIMENSIONS SHALL BE FILLED WITH DIMENSIONS SHALL BE REPORTED TO THE CONTRACTOR.

ABBREVIATIONS & LEGEND

AS-1	SECTION OF JUMP CONCRETE	AS-1	SECTION OF JUMP CONCRETE
AS-2	SECTION OF JUMP CONCRETE	AS-2	SECTION OF JUMP CONCRETE
AS-3	SECTION OF JUMP CONCRETE	AS-3	SECTION OF JUMP CONCRETE
AS-4	SECTION OF JUMP CONCRETE	AS-4	SECTION OF JUMP CONCRETE
AS-5	SECTION OF JUMP CONCRETE	AS-5	SECTION OF JUMP CONCRETE
AS-6	SECTION OF JUMP CONCRETE	AS-6	SECTION OF JUMP CONCRETE
AS-7	SECTION OF JUMP CONCRETE	AS-7	SECTION OF JUMP CONCRETE
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AS-9	SECTION OF JUMP CONCRETE	AS-9	SECTION OF JUMP CONCRETE
AS-10	SECTION OF JUMP CONCRETE	AS-10	SECTION OF JUMP CONCRETE
AS-11	SECTION OF JUMP CONCRETE	AS-11	SECTION OF JUMP CONCRETE
AS-12	SECTION OF JUMP CONCRETE	AS-12	SECTION OF JUMP CONCRETE
AS-13	SECTION OF JUMP CONCRETE	AS-13	SECTION OF JUMP CONCRETE
AS-14	SECTION OF JUMP CONCRETE	AS-14	SECTION OF JUMP CONCRETE
AS-15	SECTION OF JUMP CONCRETE	AS-15	SECTION OF JUMP CONCRETE
AS-16	SECTION OF JUMP CONCRETE	AS-16	SECTION OF JUMP CONCRETE
AS-17	SECTION OF JUMP CONCRETE	AS-17	SECTION OF JUMP CONCRETE
AS-18	SECTION OF JUMP CONCRETE	AS-18	SECTION OF JUMP CONCRETE
AS-19	SECTION OF JUMP CONCRETE	AS-19	SECTION OF JUMP CONCRETE
AS-20	SECTION OF JUMP CONCRETE	AS-20	SECTION OF JUMP CONCRETE

KEY PLAN



REFERENCE DRAWINGS

DESCRIPTION	REF. NO.

COMMENT TABLE

☐	AP: "Approved". No comment and the document is released for construction/manufacturing.
☐	APR: "Approved (Action)". Contractor, Vendor/Sub-Contractor shall correct / revise and resubmit the document. The document can be released for construction/manufacturing.
☐	CO: "Commented". Contractor, Vendor/Sub-Contractor shall correct / revise and resubmit the document by the date specified.
☐	RE: "Reject". Contractor, Vendor/Sub-Contractor shall resubmit/re-design/modify the document of the document according to the comments/reasons for rejection. All corrected documents shall be resubmitted before starting the construction/manufacturing process.

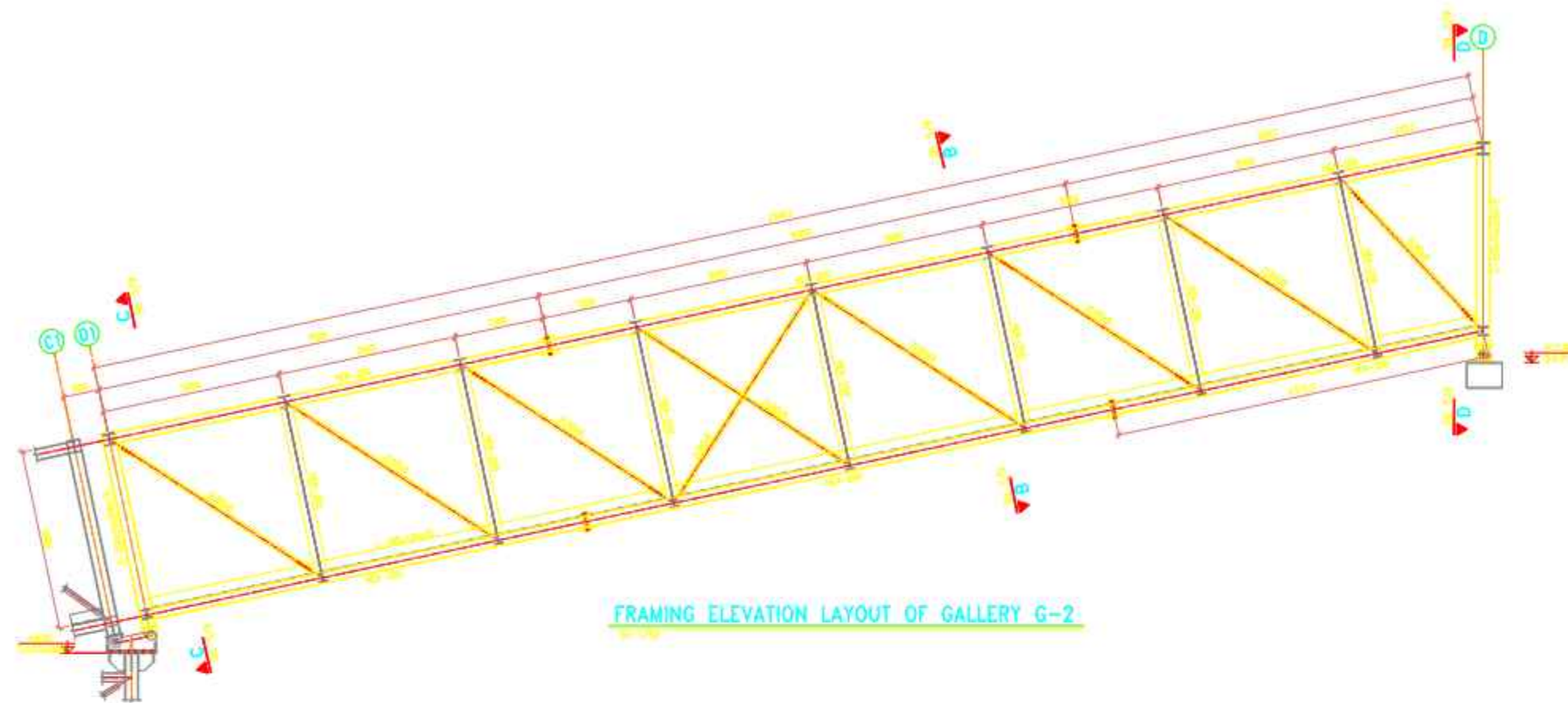
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REVISION TABLE

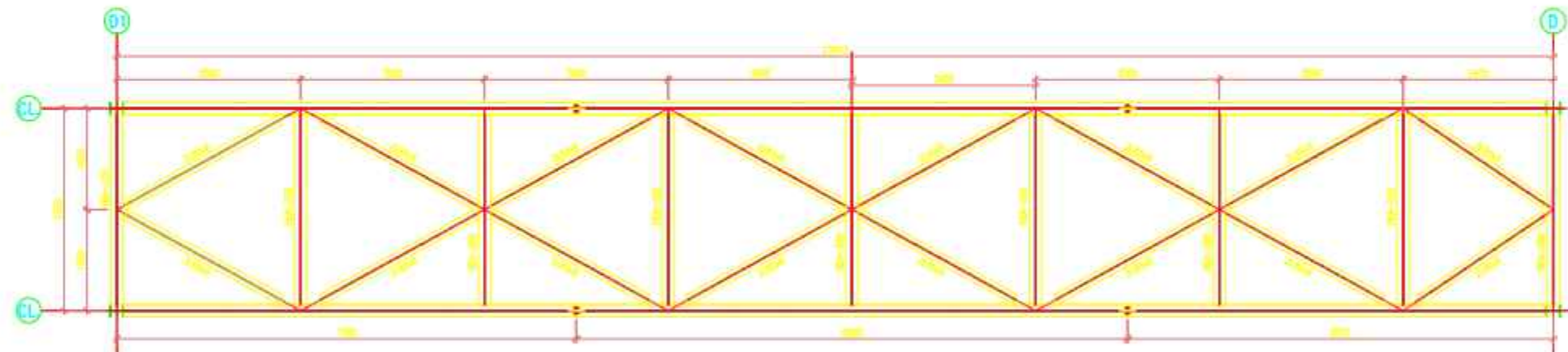
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03						
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	DOCUMENT DESCRIPTION: Gallery of CVB02-Structure and Trestle Drawings	

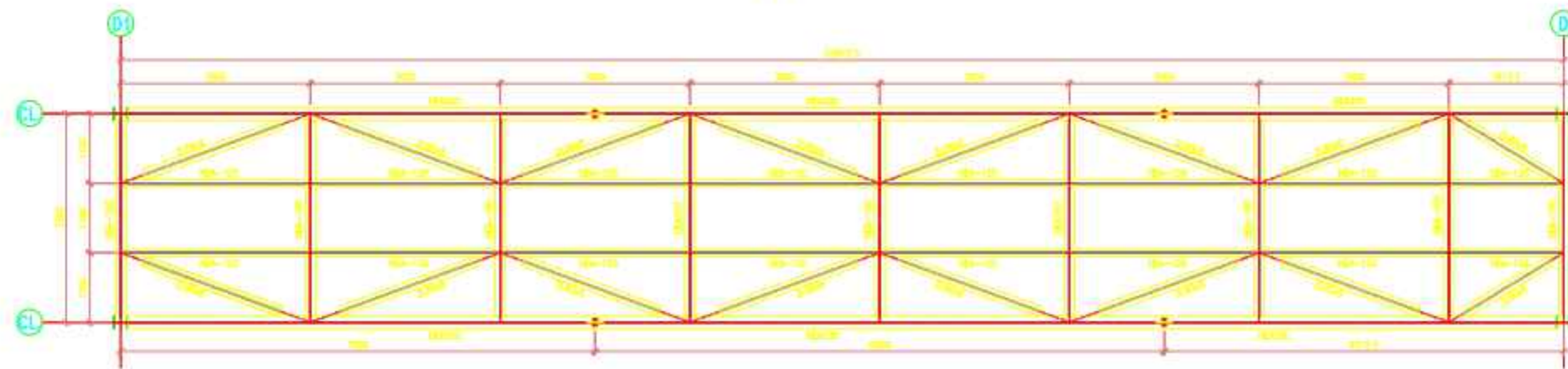
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FRAMING ELEVATION LAYOUT OF GALLERY G-2



TOP CHORD GALLERY G-2



BOTTOM CHORD GALLERY G-2

GENERAL NOTES

1. ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE.
2. ALL THE ELEVATIONS ARE RELATED TO THE JUMP OF THE SITE.
3. ELEVATION OF GROUND IS TAKEN TO +0.25 ON THE SITE.
4. ALL STRUCTURAL CONCRETE SHALL BE OF STRENGTH C30, UNLESS OTHERWISE STATED.
5. ALL CONCRETE SURFACES IN CONTACT WITH SOIL SHALL HAVE A MINIMUM COVER OF 75mm. THE MINIMUM COVER FOR WALL AND SLAB IS 50mm AND FOR COLUMNS AND BEAMS IS 30mm.

SPECIFIC NOTES

1. ALL DIMENSIONS ARE IN METERS.
2. ALL ELEVATIONS AND COORDINATES ARE IN METERS.
3. CONTRACTOR SHALL CO-ORDINATE DIMENSIONS IN CONNECTION WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL AND SITE DIMENSIONS FROM TO CONSTRUCTION COMMENCEMENT. ANY INCONGRUITY BETWEEN DIMENSIONS SHALL BE REPORTED AND TOLERANCE SHALL BE REPORTED BEFORE CONSTRUCTION COMMENCEMENT.
4. CONTRACTOR SHALL CHECK AND VERIFY DIMENSIONS AND ANY INCONGRUITY SHALL BE REPORTED BEFORE CONSTRUCTION COMMENCEMENT.
5. IN CASE OF CONTRACTOR'S COMPRESSION LENGTH OF CONCRETE IS NOT SUFFICIENT IN CIRCULAR SPACING THREE TIMES SPACING.
6. LEAN CONCRETE SHALL BE IN PROPORTION OF 1:1.5:3.
7. DIMENSIONS AND SPACING OF TYPE IS AS A-B WITH HOLD STRESS OF 400 N/mm² AND 300 N/mm² STRESS AS PER IS 456.
8. MATERIAL OF REINFORCEMENT SHALL BE AS PER IS 456 WITH HOLD STRESS OF 400 N/mm² AND 300 N/mm² STRESS AS PER IS 456.
9. MATERIAL OF ANCHOR PLATE IS 10-11 WITH HOLD STRESS OF 400 N/mm² AND 300 N/mm² STRESS AS PER IS 456.
10. CONCRETE SHALL BE PLACED AND COMPACTED ACCORDING TO IS 456.
11. CONCRETE SHALL BE PLACED AND COMPACTED IN AREA AND TOLERANCE SHALL BE 10mm.
12. CONCRETE SHALL BE PLACED AND COMPACTED IN AREA AND TOLERANCE SHALL BE 10mm.
13. CONCRETE SHALL BE PLACED AND COMPACTED IN AREA AND TOLERANCE SHALL BE 10mm.
14. CONCRETE SHALL BE PLACED AND COMPACTED IN AREA AND TOLERANCE SHALL BE 10mm.
15. CONCRETE SHALL BE PLACED AND COMPACTED IN AREA AND TOLERANCE SHALL BE 10mm.
16. CONCRETE SHALL BE PLACED AND COMPACTED IN AREA AND TOLERANCE SHALL BE 10mm.
17. CONCRETE SHALL BE PLACED AND COMPACTED IN AREA AND TOLERANCE SHALL BE 10mm.
18. CONCRETE SHALL BE PLACED AND COMPACTED IN AREA AND TOLERANCE SHALL BE 10mm.
19. CONCRETE SHALL BE PLACED AND COMPACTED IN AREA AND TOLERANCE SHALL BE 10mm.
20. CONCRETE SHALL BE PLACED AND COMPACTED IN AREA AND TOLERANCE SHALL BE 10mm.

ABBREVIATIONS & LEGEND

1. ALL DIMENSIONS ARE IN METERS.	2. ALL ELEVATIONS AND COORDINATES ARE IN METERS.
3. CONTRACTOR SHALL CO-ORDINATE DIMENSIONS IN CONNECTION WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL AND SITE DIMENSIONS FROM TO CONSTRUCTION COMMENCEMENT. ANY INCONGRUITY BETWEEN DIMENSIONS SHALL BE REPORTED AND TOLERANCE SHALL BE REPORTED BEFORE CONSTRUCTION COMMENCEMENT.	4. CONTRACTOR SHALL CHECK AND VERIFY DIMENSIONS AND ANY INCONGRUITY SHALL BE REPORTED BEFORE CONSTRUCTION COMMENCEMENT.
5. IN CASE OF CONTRACTOR'S COMPRESSION LENGTH OF CONCRETE IS NOT SUFFICIENT IN CIRCULAR SPACING THREE TIMES SPACING.	6. LEAN CONCRETE SHALL BE IN PROPORTION OF 1:1.5:3.
7. DIMENSIONS AND SPACING OF TYPE IS AS A-B WITH HOLD STRESS OF 400 N/mm ² AND 300 N/mm ² STRESS AS PER IS 456.	8. MATERIAL OF REINFORCEMENT SHALL BE AS PER IS 456 WITH HOLD STRESS OF 400 N/mm ² AND 300 N/mm ² STRESS AS PER IS 456.
9. MATERIAL OF ANCHOR PLATE IS 10-11 WITH HOLD STRESS OF 400 N/mm ² AND 300 N/mm ² STRESS AS PER IS 456.	10. CONCRETE SHALL BE PLACED AND COMPACTED ACCORDING TO IS 456.
11. CONCRETE SHALL BE PLACED AND COMPACTED IN AREA AND TOLERANCE SHALL BE 10mm.	12. CONCRETE SHALL BE PLACED AND COMPACTED IN AREA AND TOLERANCE SHALL BE 10mm.
13. CONCRETE SHALL BE PLACED AND COMPACTED IN AREA AND TOLERANCE SHALL BE 10mm.	14. CONCRETE SHALL BE PLACED AND COMPACTED IN AREA AND TOLERANCE SHALL BE 10mm.
15. CONCRETE SHALL BE PLACED AND COMPACTED IN AREA AND TOLERANCE SHALL BE 10mm.	16. CONCRETE SHALL BE PLACED AND COMPACTED IN AREA AND TOLERANCE SHALL BE 10mm.
17. CONCRETE SHALL BE PLACED AND COMPACTED IN AREA AND TOLERANCE SHALL BE 10mm.	18. CONCRETE SHALL BE PLACED AND COMPACTED IN AREA AND TOLERANCE SHALL BE 10mm.
19. CONCRETE SHALL BE PLACED AND COMPACTED IN AREA AND TOLERANCE SHALL BE 10mm.	20. CONCRETE SHALL BE PLACED AND COMPACTED IN AREA AND TOLERANCE SHALL BE 10mm.

KEY PLAN



REFERENCE DRAWINGS

DESCRIPTION	REF. NO.

COMMENT TABLE

☐ APPROVED: No comment and the document is released for construction/manufacturing.
☐ APPROVED: Commented. Contractor/Vendor/Sub-Contractor shall correct/review and resubmit the document. The document can be released for construction/manufacturing.
☐ COMMENTED: Contractor/Vendor/Sub-Contractor shall correct/review and resubmit the document by the date specified.
☐ REJECTED: Contractor/Vendor/Sub-Contractor shall rework/re-design/modify the contents of the document according to the comments/reasons for rejection. All corrected documents shall be rechecked before starting the construction/manufacturing process.

	Date:
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REVISION TABLE

REV.	DATE	BY	CHKD.	APPD.	REASON
01	12.01.2022	SR	R.S.	R.S.	ISSUED
02					
03					
04					
05					
06					
07					
08					
09					
10					

	PROJECT TITLE:
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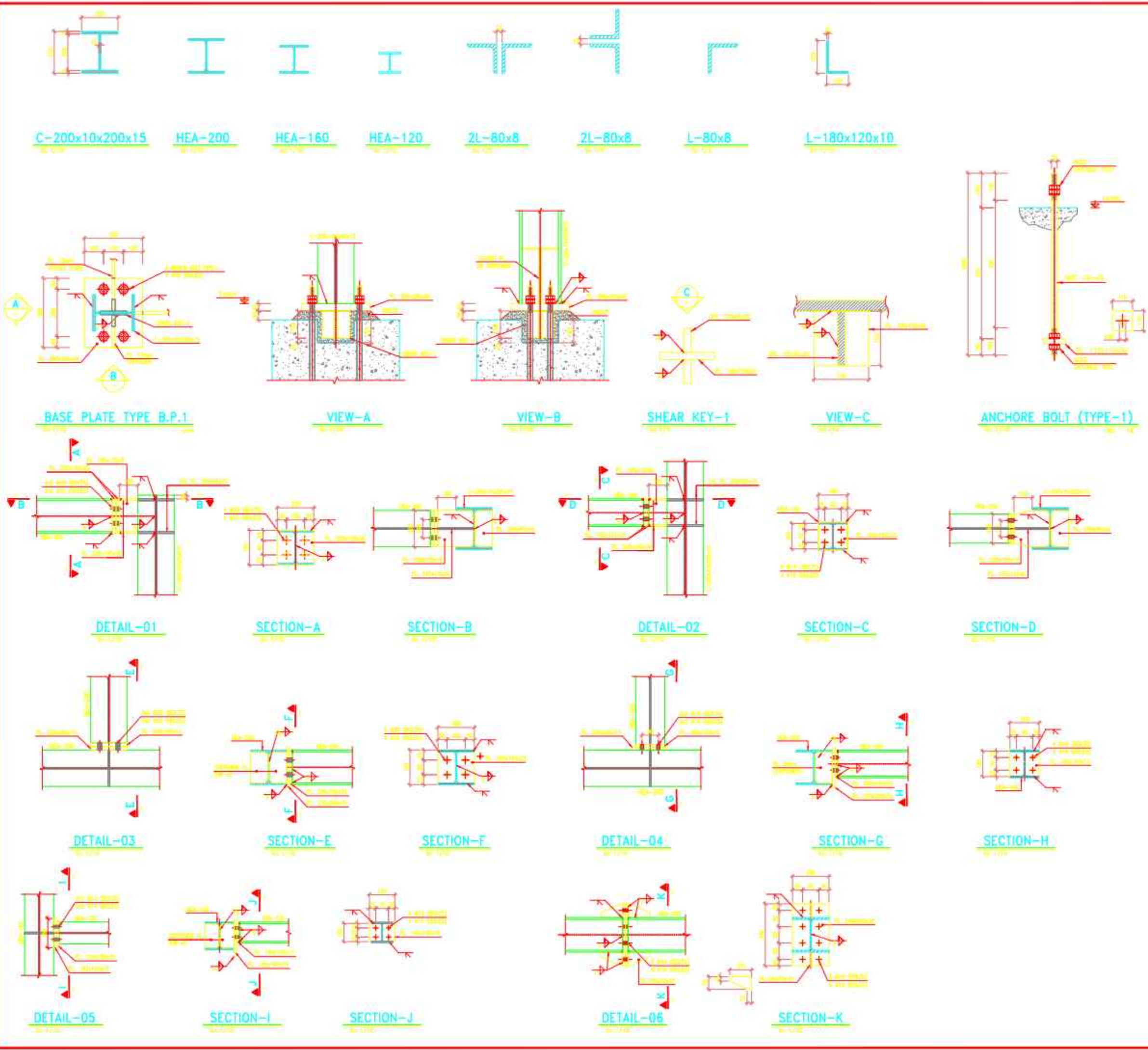
COLD BRIQUETTE SPONGE IRON PROJECT

DOCUMENT DESCRIPTION:	Gallery of CVB02-Structure and Trestle Drawings
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DOCUMENT NO.	0100000-10-01-01-01-01-01	REV.	002	SCALE	1:10
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DOCUMENT NO.	STSDCWS-13A-ST-CIV-450-02	REV.	SIZE	SCALE	SHEET
		00	SIZE	SCALE	1



GENERAL NOTES	
1- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.	
2- ALL THE ELEVATIONS ARE RELATED TO THE JUMP OF THE SITE.	
3- ELEVATION OF GROUND IS TAKEN TO +0.25 ON THE SITE.	
4- ALL STRUCTURAL CONCRETE SHALL BE OF STRENGTH CLASS C25/30 TYPE I CONCRETE.	
5- ALL CONCRETE SURFACES IN CONTACT WITH SOIL SHALL HAVE A MINIMUM COVER OF 50 MM. THE MINIMUM COVER FOR WALL AND SLAB IS 30 MM AND FOR COLUMN AND SHAPE IS 50 MM.	
SPECIFIC NOTES	
1- ALL DIMENSIONS ARE IN MM.	
2- ALL ELEVATIONS AND COORDINATES ARE IN METER.	
3- CONTRACTOR SHALL CO-ORDINATE DIMENSIONS IN CONNECTION WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL AND SITE DIMENSIONS PRIOR TO CONSTRUCTION COMMENCEMENT. ANY INCOMPATIBILITY BETWEEN DIMENSIONS SHALL BE REPORTED AND TOLERATED PRIOR TO CONSTRUCTION.	
4- CONTRACTOR SHALL COVER AND PROTECT DIMENSIONS AND ANY DIMENSIONS SHALL BE REPORTED BEFORE CONSTRUCTION COMMENCEMENT.	
5- IN CASE OF CONTRACTOR'S COMPRESSION STRENGTH OF CONCRETE IS NOT SUFFICIENT TO CARRY THE LOAD, THE CONTRACTOR SHALL PROVIDE ADDITIONAL REINFORCEMENT.	
6- LOAD CONCRETE SHALL HAVE A MINIMUM COVER OF 50 MM.	
7- DIMENSIONS AND ELEVATIONS ARE TYPE IS AS A-B WITH YIELD STRENGTH OF 460 MPa (F _y) AND 510 MPa (F _t) WITH YIELD STRENGTH OF 460 MPa (F _y) AND 510 MPa (F _t).	
8- MATERIAL OF SHEET PILE IS 100% WITH YIELD STRENGTH OF 460 MPa (F _y) AND 510 MPa (F _t) WITH YIELD STRENGTH OF 460 MPa (F _y) AND 510 MPa (F _t).	
9- CONCRETE SHALL BE PROVIDED ACCORDING TO THE DIMENSIONS.	
10- COVER FOR FOUNDATION AND PILEHEAD IS 50 MM AND 75 MM FOR THE PILE THAT IS FACED WITH SOIL.	
11- IF ANY DIMENSION IS NOT PROVIDED, THE CONTRACTOR SHALL CONSULT THE ARCHITECT FOR THE CORRECT DIMENSION.	
12- DIMENSIONS SHALL BE PROVIDED BY THE ARCHITECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DIMENSIONS.	
13- DIMENSIONS SHALL BE PROVIDED BY THE ARCHITECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DIMENSIONS.	
14- DIMENSIONS SHALL BE PROVIDED BY THE ARCHITECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DIMENSIONS.	
ABBREVIATIONS & LEGEND	
ASCC	ARMED REINFORCED CONCRETE
RC	REINFORCED CONCRETE
SL	SLAB
CC	CONCRETE
ASCC	ARMED REINFORCED CONCRETE
RC	REINFORCED CONCRETE
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ASCC	ARMED REINFORCED CONCRETE
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GENERAL NOTES

- 1-ALL DIMENSIONS ARE TO HOLSTEINER UNLESS STATED OTHERWISE.
- 2-ALL THE ELEVATIONS ARE RELATED TO THE TOP OF THE WTE.
- 3-VARIATION OF GRADE IS INDICATED BY $\pm$ 0.00 ON THE NOTE.
- 4-ALL STRUCTURAL CONCRETE SHALL BE OF STRENGTH CLASS 25 MPa (3600 PSI).
- 5-ALL CONCRETE SURFACES IN CONTACT WITH SOIL SHALL HAVE A PROPER COVER OF THREE TIMES THE MINIMUM COVER FOR WALL AND SLAB TO 40 mm (1.5 in) AND 75 mm (3 in) FOR COLUMNS AND BEAMS IN SLAB.

SPECIFIC NOTES

[illegible]

ABBREVIATIONS & LEGEND

0.0.1.	ATTEN AT JAIL CONCRETE		ATTEN AT JAIL
0.0.2.	WALL CLIFF		JAIL CONCRETE
0.0.3.	CONCRETE WALL		CONCRETE
0.0.4.	WALL BRICK		CONCRETE WALL
0.0.5.	TOP OF CONCRETE		
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0.0.100.	TOP OF WALL		

KEY PLAN



REFERENCE DRAWINGS

DESCRIPTION	REF. NO.

COMMENT TABL

IP:	"Approved": No comment and the document is released for construction/manufacturing
IPN:	"Approval in Progress": Contractor/vendor/Sub-Contractor shall correct, revise and resubmit the document. The document can be released for construction/manufacturing if change is required.
CC:	"Commented": Contractor/Vendor/Sub-Contractor shall correct, revise and resubmit the document by the date specified.
RE:	"Reject": Contractor/Vendor/Sub-Contractor shall rework/redesign/specify the document or the document according to the comments/requests for revision. All corrected documents shall be resubmitted before exiting the construction/manufacturing process.

REVISION TABLE

00	11/01/2024	FR	N.D.	N.D.	Q 54	---
REV.	Date	PO	Prepared	Checked	Approved by	Assigned



DOCUMENT DESCRIPTION:	Gallery of CVB02-Structure and Trestle Drawings
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DOCUMENT NO.	4750000-00-07-000-000-00	REV.	00	SIZE	SCALE	SHEET
			00	SIZE	SCALE	11/8

1. All employees are to be
2. All employees are to be

5. **Consider the following:** The *Journal of Statistics* is a leading journal in statistics. It is published by the American Statistical Association. The *Journal of Statistics* is a leading journal in statistics. It is published by the American Statistical Association.
6. **Consider the following:** The *Journal of Statistics* is a leading journal in statistics. It is published by the American Statistical Association. The *Journal of Statistics* is a leading journal in statistics. It is published by the American Statistical Association.
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8. **Consider the following:** The *Journal of Statistics* is a leading journal in statistics. It is published by the American Statistical Association. The *Journal of Statistics* is a leading journal in statistics. It is published by the American Statistical Association.
9. **Consider the following:** The *Journal of Statistics* is a leading journal in statistics. It is published by the American Statistical Association. The *Journal of Statistics* is a leading journal in statistics. It is published by the American Statistical Association.
10. **Consider the following:** The *Journal of Statistics* is a leading journal in statistics. It is published by the American Statistical Association. The *Journal of Statistics* is a leading journal in statistics. It is published by the American Statistical Association.

QUESTIONS 1. What is the purpose of the study? 2. What is the research design? 3. What is the sample size? 4. What is the data collection method? 5. What is the data analysis method? 6. What is the conclusion?	ANSWERS 1. The purpose of the study is to investigate the effect of the independent variable on the dependent variable. 2. The research design is a quantitative design. 3. The sample size is 100. 4. The data collection method is a survey. 5. The data analysis method is a statistical analysis. 6. The conclusion is that the independent variable has a significant effect on the dependent variable.
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COMMENT TABLE	
☐ All "Agencies" - This comment and this comment is relevant for comments on the following	

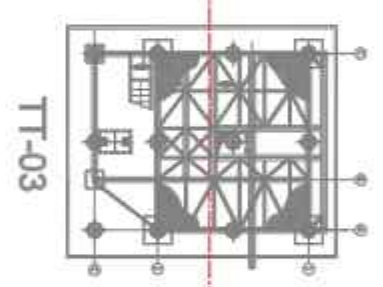
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  High Secondary Education	REVISION TABLE
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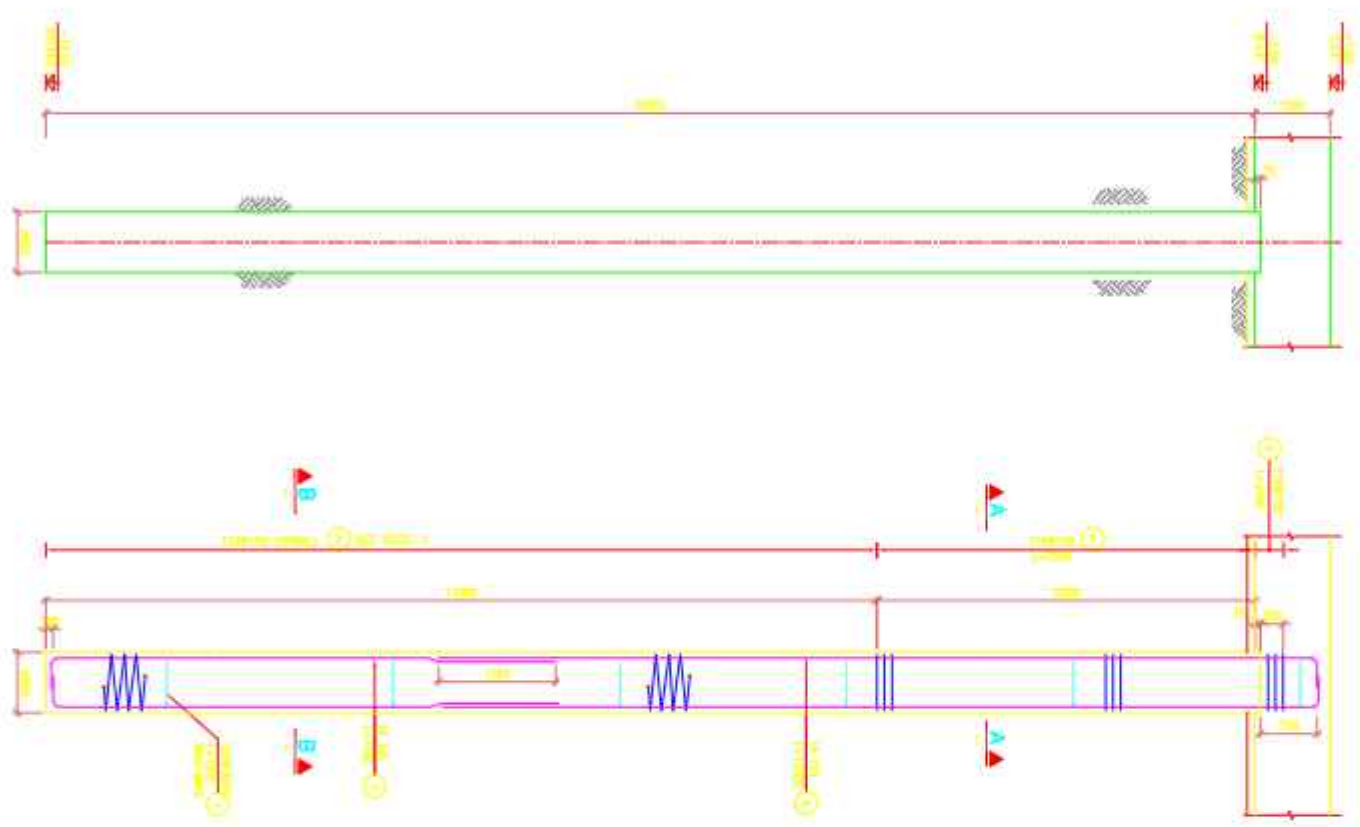
00	17.0.2005	# 15	15 A	15
REV	14.05	10.04	10.04	10.04

PROJECT TITLE: COLD BRIQUETTE SPONGE IRON PR

4152061011107710000004	TOH1107060700
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COORDINATIONS		
point	X	Y
a	1269356	5073412
b	1269356	5069512
c	1292295	5069512
d	1292295	5073412



A diagram of a circular circuit. A central node is connected to a circular loop. The loop is divided into segments by radial lines. Some segments are labeled with '1' and '2'. The circuit is connected to a power source on the left and a ground symbol on the right.

BAR BENDING SCHEDULE FOR PILLR								
Pos	Spec.	Shope	L	No.	T12	T14	T20	T25
1	700	100	1.00	10			1222	
2	700	100	1.00	10	1222			
3	800	100	1.1	10				1222
4	700	100	1.0	10				1222
5	700	100	1.0	10				1222
6	700	100	1.0	10				1222
7	700	100	1.0	10				1222
8	700	100	1.0	10				1222
9	700	100	1.0	10				1222
10	700	100	1.0	10				1222
11	700	100	1.0	10				1222
12	700	100	1.0	10				1222
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14	700	100	1.0	10				1222
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19	700	100	1.0	10				1222
20	700	100	1.0	10				1222
21	700	100	1.0	10				1222
22	700	100	1.0	10				1222
23	700	100	1.0	10				1222
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25	700	100	1.0	10				1222
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28	700	100	1.0	10				1222
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37	700	100	1.0	10				1222
38	700	100	1.0	10				1222
39	700	100	1.0	10				1222
40	700	100	1.0	10				1222
41	700	100	1.0	10				1222
42	700	100	1.0	10				1222
43	700	100	1.0	10				1222
44	700	100	1.0	10				1222
45	700	100	1.0	10				1222
46	700	100	1.0	10				1222
47	700	100	1.0	10				1222
48	700	100	1.0	10				1222
49	700	100	1.0	10				1222
50	700	100	1.0	10				1222
51	700	100	1.0	10				1222
52	700	100	1.0	10				1222
53	700	100	1.0	10				1222
54	7							

PILE TYPE P-1

GENERAL NOTES

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
3. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
4. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
5. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
6. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
7. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
8. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
9. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
10. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.

SPECIFIC NOTES

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
3. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
4. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
5. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
6. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
7. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
8. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
9. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
10. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.

ABBREVIATED MATERIAL LEGEND

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
3. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
4. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
5. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
6. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
7. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
8. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
9. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
10. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.

KEY PLAN



This Location

REFERENCE DIMENSIONS

DESCRIPTION	REF. NO.
FOUNDATION PLAN TYPE F-1	
SECTION-A	
ANCHORE BOLT (TYPE-1)	
SHEAR BOX-1	
PEO-1	

REVISION TABLE

NO.	DATE	BY	CHKD.	REVISION
01	11.08.2023	...	...	...
02	...	...	...	...
03	...	...	...	...
04	...	...	...	...
05	...	...	...	...
06	...	...	...	...
07	...	...	...	...
08	...	...	...	...
09	...	...	...	...
10	...	...	...	...

PROJECT TITLE	COLD BRICK TTE SPONGE IRON PROJECT
PROJECT NO.	...
PROJECT DATE	...
PROJECT LOCATION	...
PROJECT CLIENT	...
PROJECT DESIGNER	...
PROJECT ENGINEER	...
PROJECT CHECKER	...
PROJECT APPROVER	...
PROJECT REVIEWER	...
PROJECT SIGNATURE	...
PROJECT DATE	...

Gallery of CVR04-Plb and Foundation Drawings

- all operations and work
- all functions are to be carried out using the

- [illegible]

AAE1 :	AREA OF LAYER ELEMENT		AREA OF ONE LAYER ELEMENT
AAE2 :	AREA OF LAYER		AREA OF ONE LAYER
AAE3 :	AREA OF LAYER ELEMENT		AREA OF ONE LAYER ELEMENT
AAE4 :	AREA OF LAYER ELEMENT		AREA OF ONE LAYER ELEMENT
AAE5 :	AREA OF LAYER ELEMENT		AREA OF ONE LAYER ELEMENT
AAE6 :	AREA OF LAYER ELEMENT		AREA OF ONE LAYER ELEMENT
AAE7 :	AREA OF LAYER ELEMENT		AREA OF ONE LAYER ELEMENT
AAE8 :	AREA OF LAYER ELEMENT		AREA OF ONE LAYER ELEMENT
AAE9 :	AREA OF LAYER ELEMENT		AREA OF ONE LAYER ELEMENT
AAE10 :	AREA OF LAYER ELEMENT		AREA OF ONE LAYER ELEMENT

[illegible]

 ESC	Name: Surname:
REVIEW TABLE	

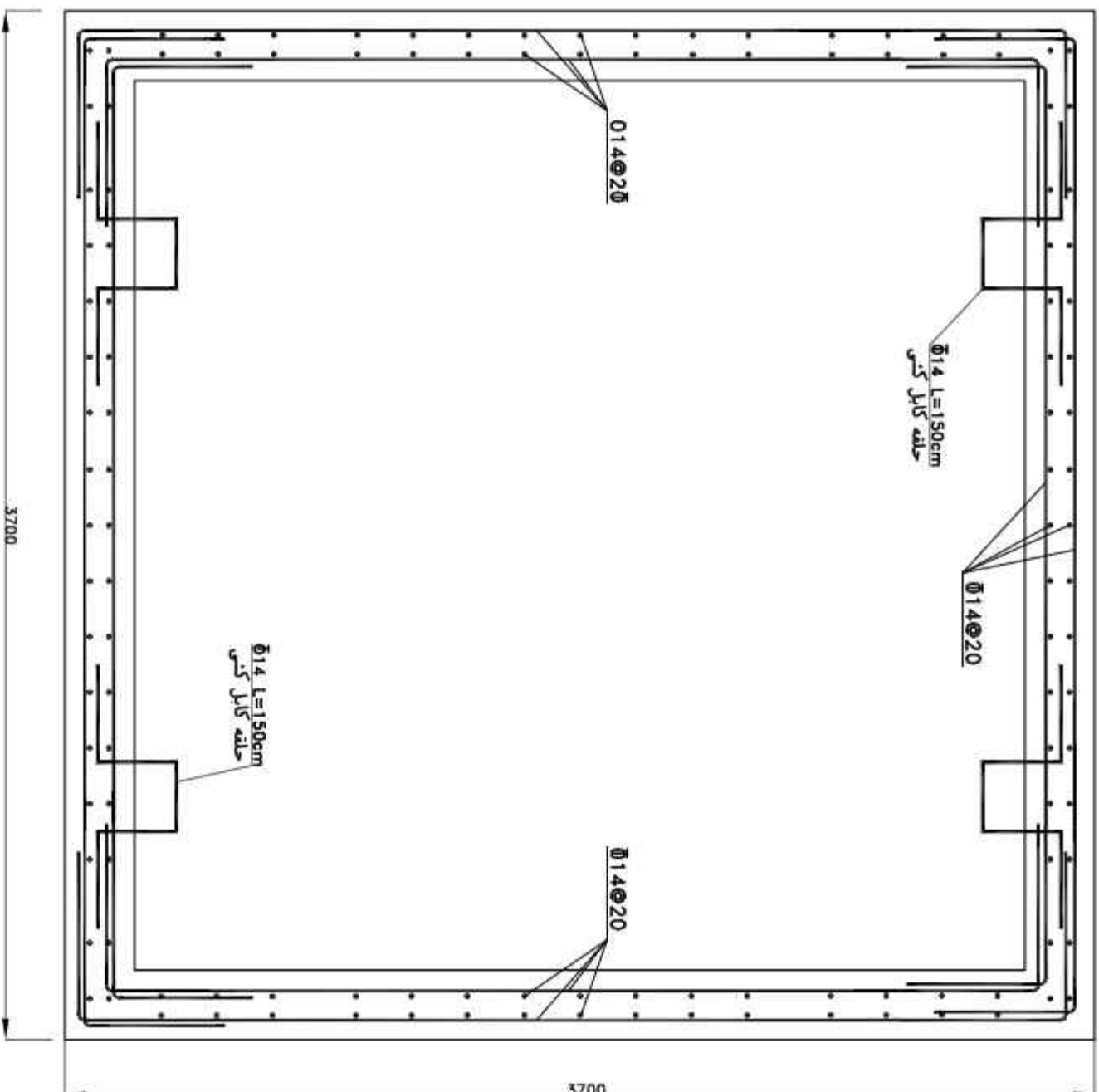
[illegible]

 S.M. ECONOMIC RESEARCH	PROJECT TITLE COLD BOUTIQUE SPONGE IRON PROJECT
	Gallery of CVB04- Pile and Foundation Drawings



BAR BENDING SCHEDULE FOR FOUNDATION							
Pos	Spec.	Shape	L	No.	T10	T12	T25
1	T20	6x6	500	140	7.00		5.70
2	T20	3x6	500	340	0.00		42.4
3	T20	3x6	4750	340	0.00		3.0000
4	T12	6x6	300	240	0.00	0.00	
5	T10	11x11	200	4	0.00		
6	T20	6x6	400	27	0.00		
7	T20	6x6	4750	440	0.00		50.44
8	T10	11x11	300	40	0.00		
TOTAL LENGTH (m)					62.4	0.0	66.22
DOW WEIGHT (kg)					8.17	0.00	3.97
WEIGHT (kg)					80	0	100
GRAND TOTAL (kg)					3675		

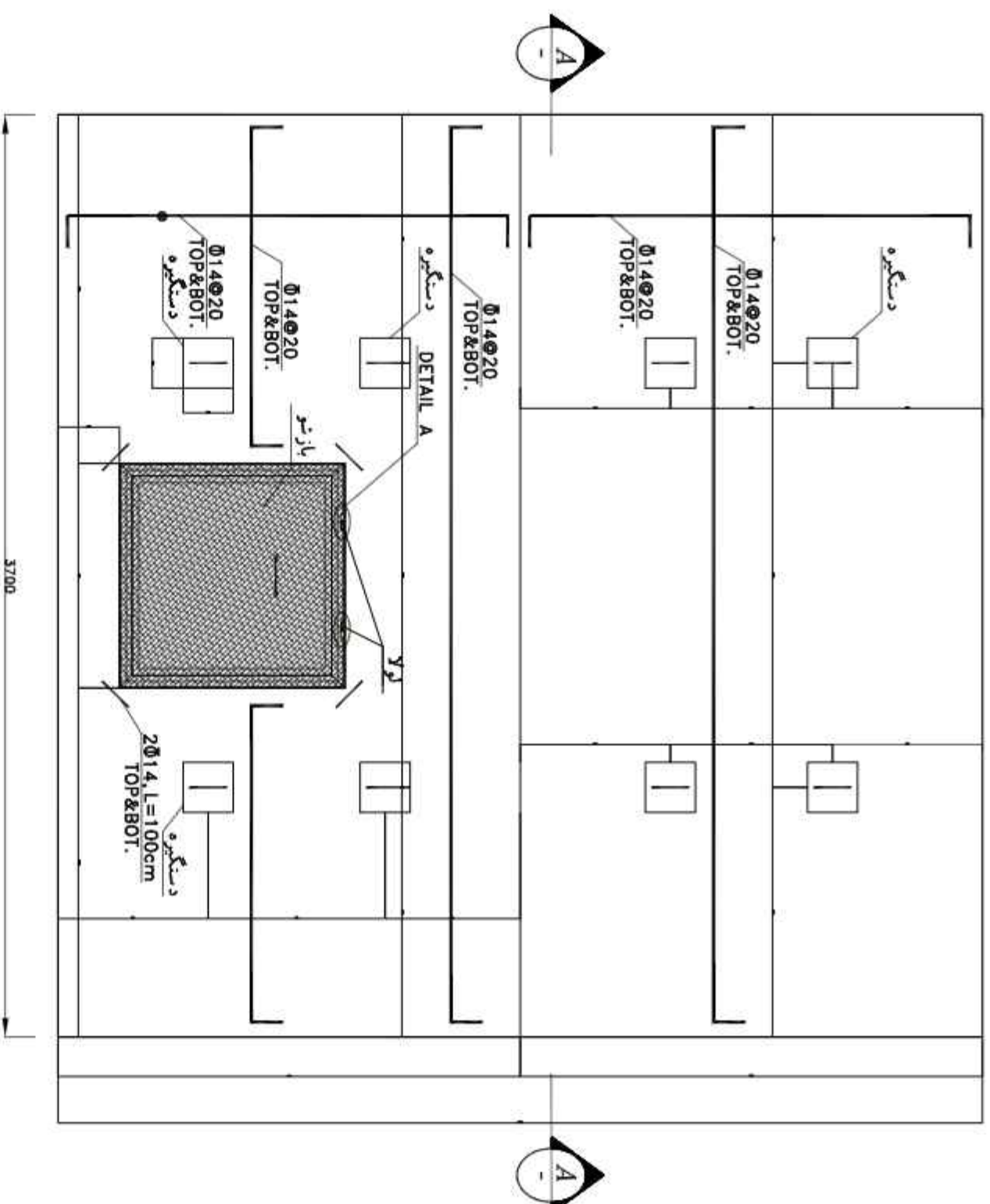
+12.20
زمین طبیعی



REINFORCMENT MANHOLE (2)

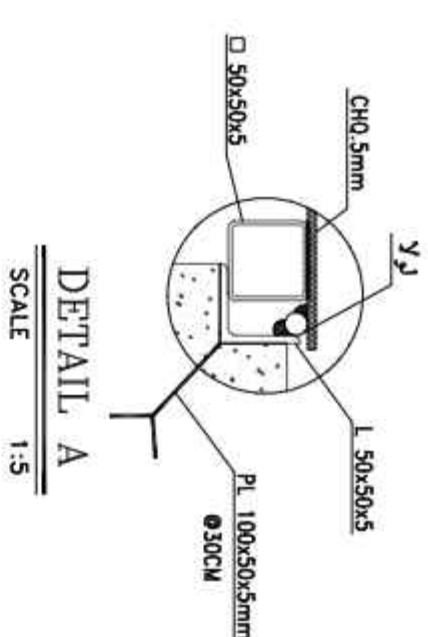
SCALE

1:25



پلان آرماتورگذاری درب منهول (#3)

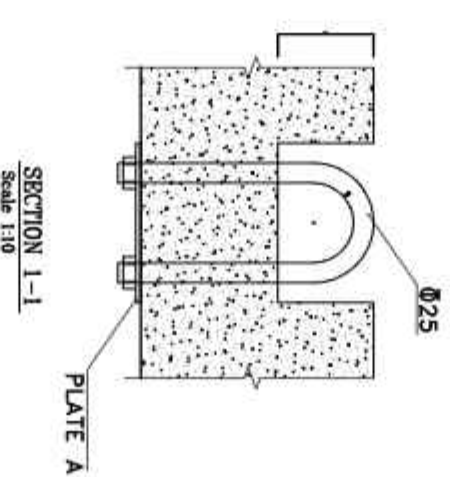
SCALE 1:25



DETAIL A

SCALE 1:5

- لولاهای دربزش بازشو منهول ها طوری نصب شوند که امکان جلا کردن آنها بدون برش کاری وجود نداشته باشد.



SECTION 1-1

Scale 1:10

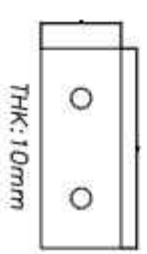
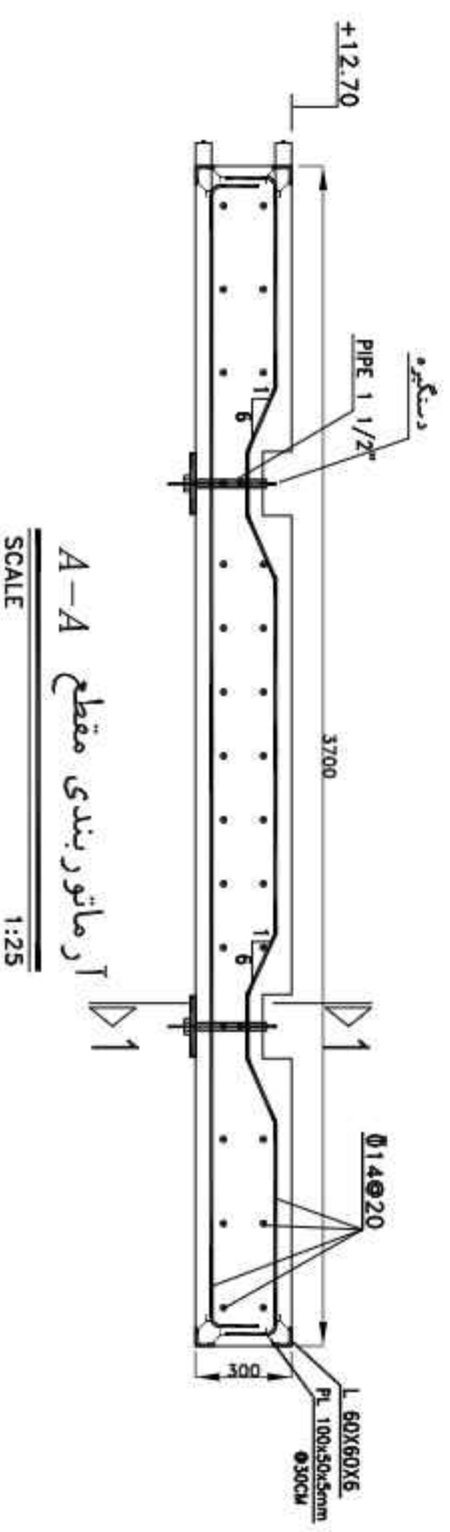


PLATE "A"

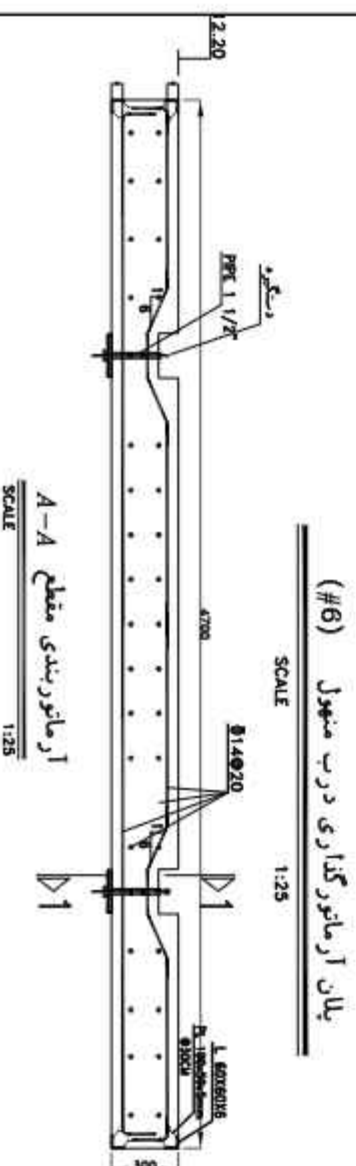
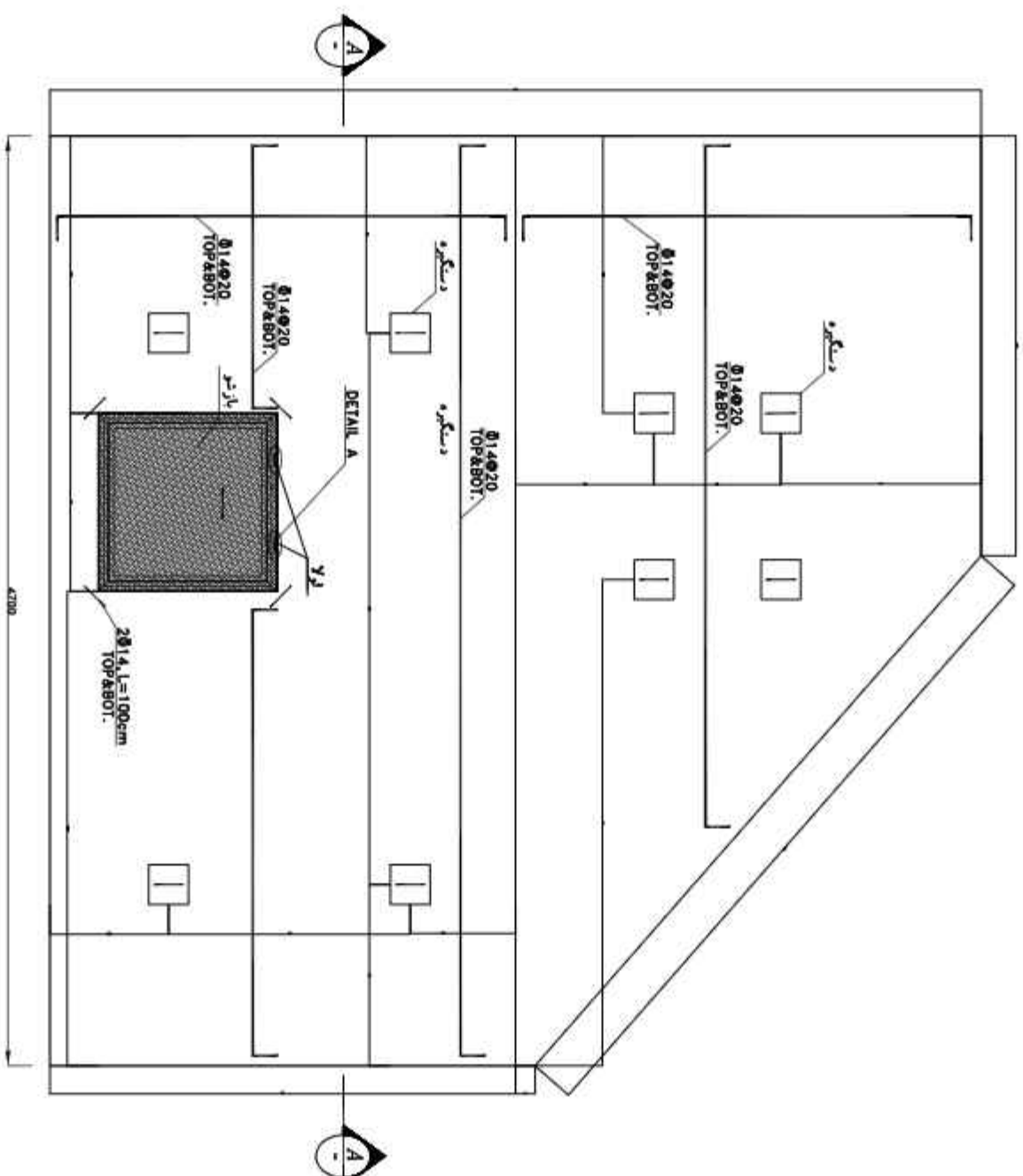
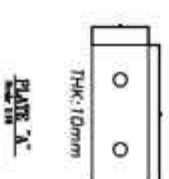
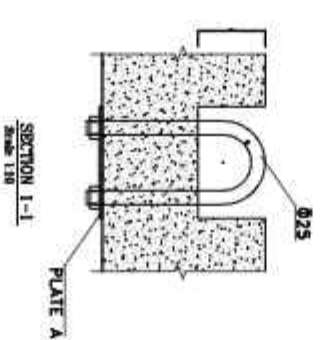
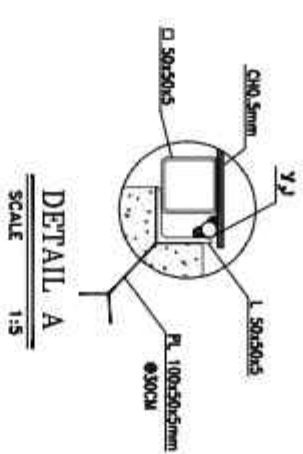
Scale 1:10

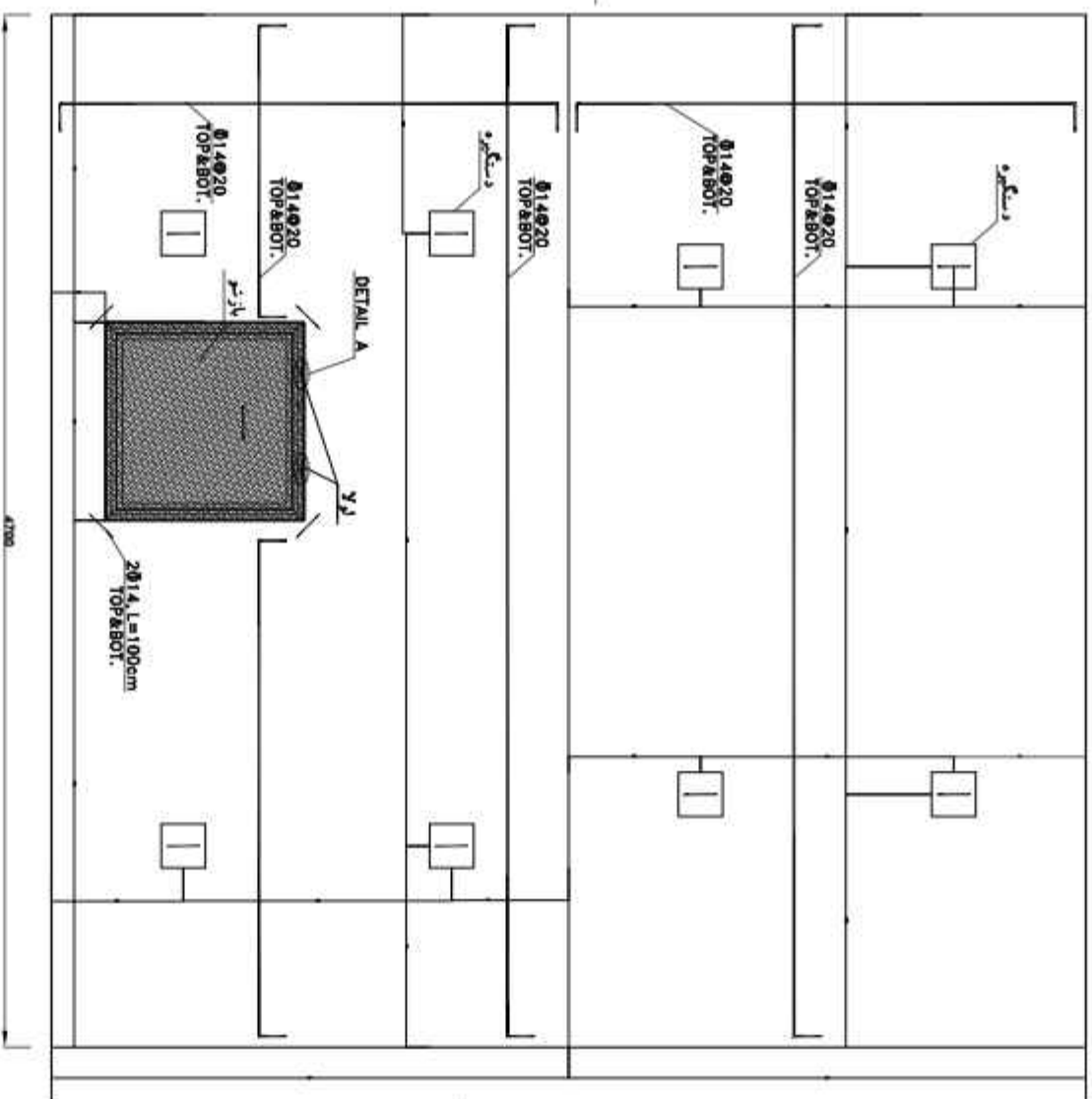


آرماتوربندی مقطع A-A

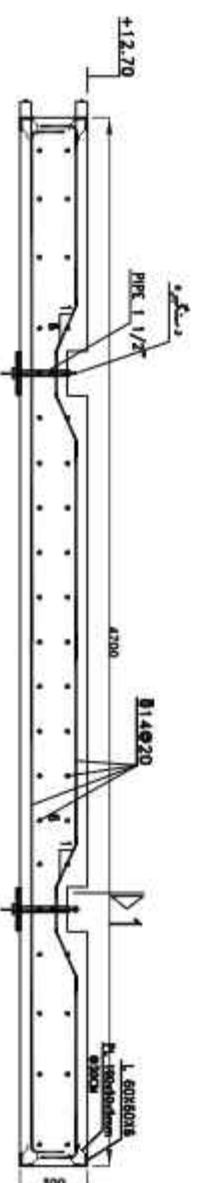
SCALE 1:25

- لوله‌های درپیش‌باز به سبیل به طوری نصب شوند که امکان جدا کردن آنها بدون برش کاری وجود نداشته باشد.

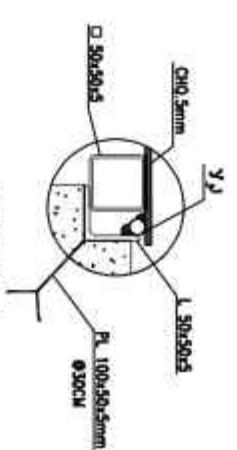




پلان آرماتورگذاری درب مشعل (#7)
SCALE 1:25



- بر لایه درپوش پایه مشعل با طوری نصب نموده که امکان جابجایی آن
از محل برش کاری وجود نداشته باشد.



DETAIL A
SCALE 1:5

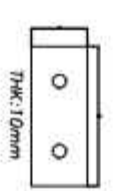
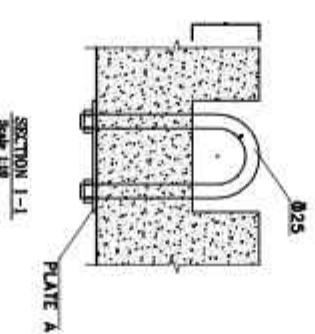
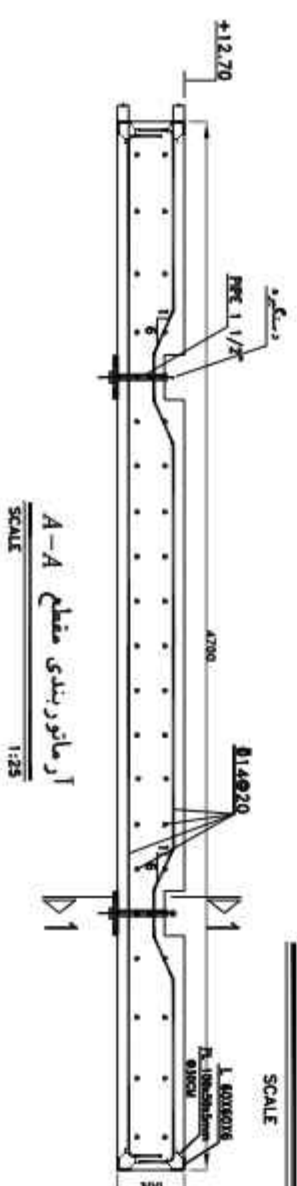
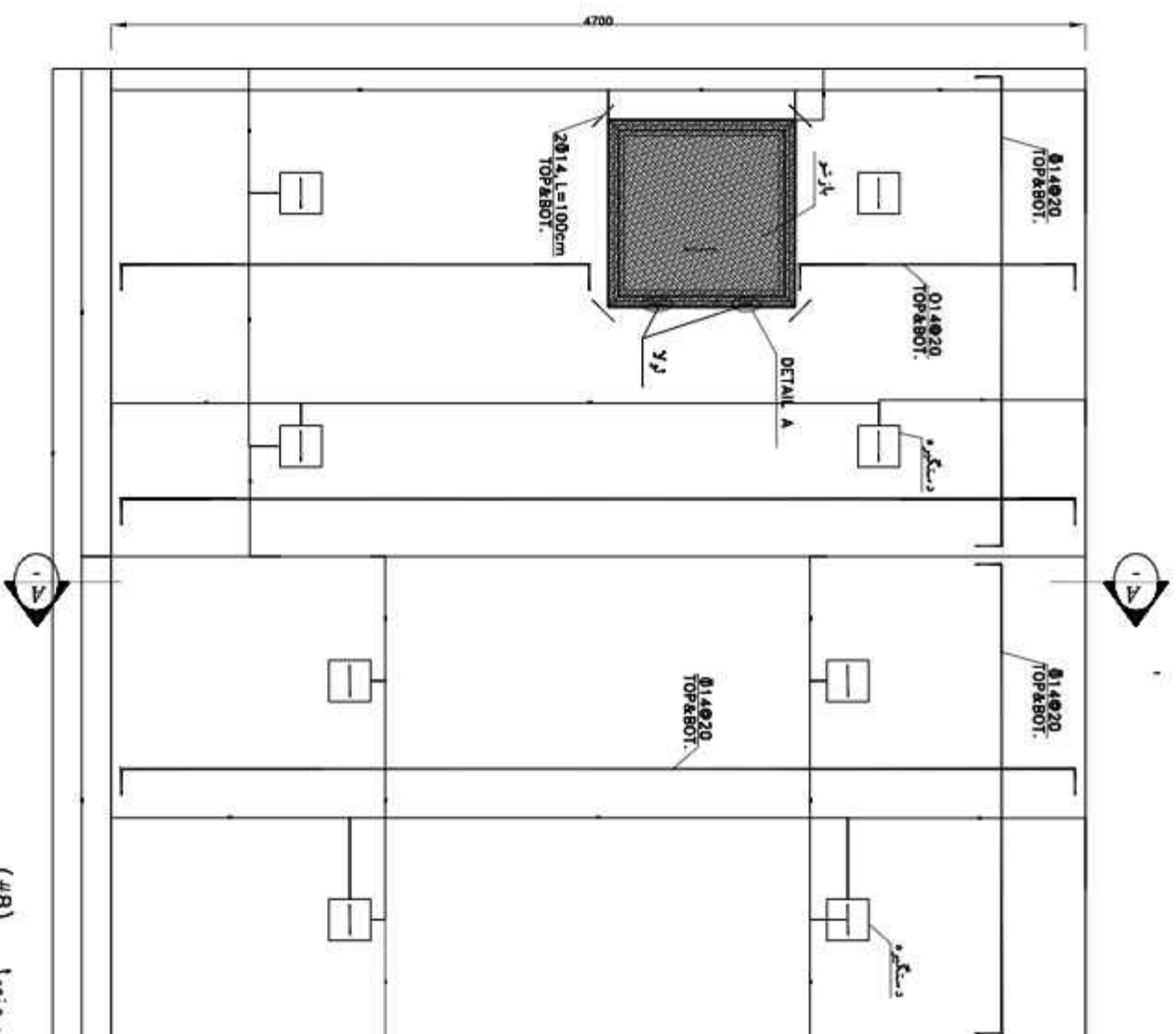
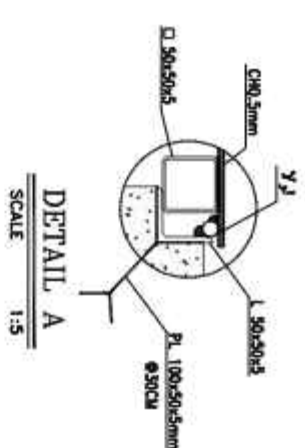


PLATE A

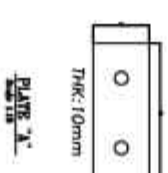
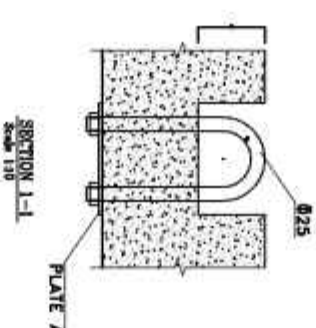


پلان آرماتورگذاری درب منبعل (#8)

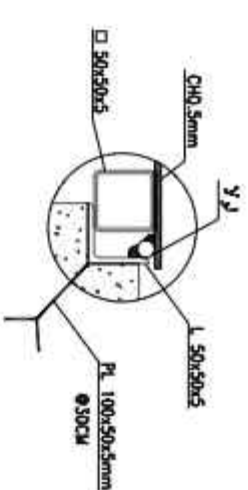
SCALE 1:25



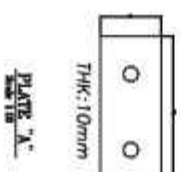
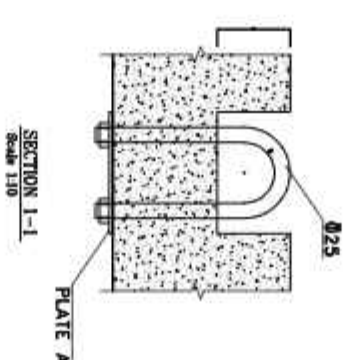
- در لایه‌های درپوش باز شو منبعل با طوره نصب درپوش می‌توان جدا کردن
اینجا بدون عرض کاره درجه در حالت باشد



نوعی درختی با روشی خاص شده که امکان جدا کردن
با بدون برش کاری وجود نداشته باشد.

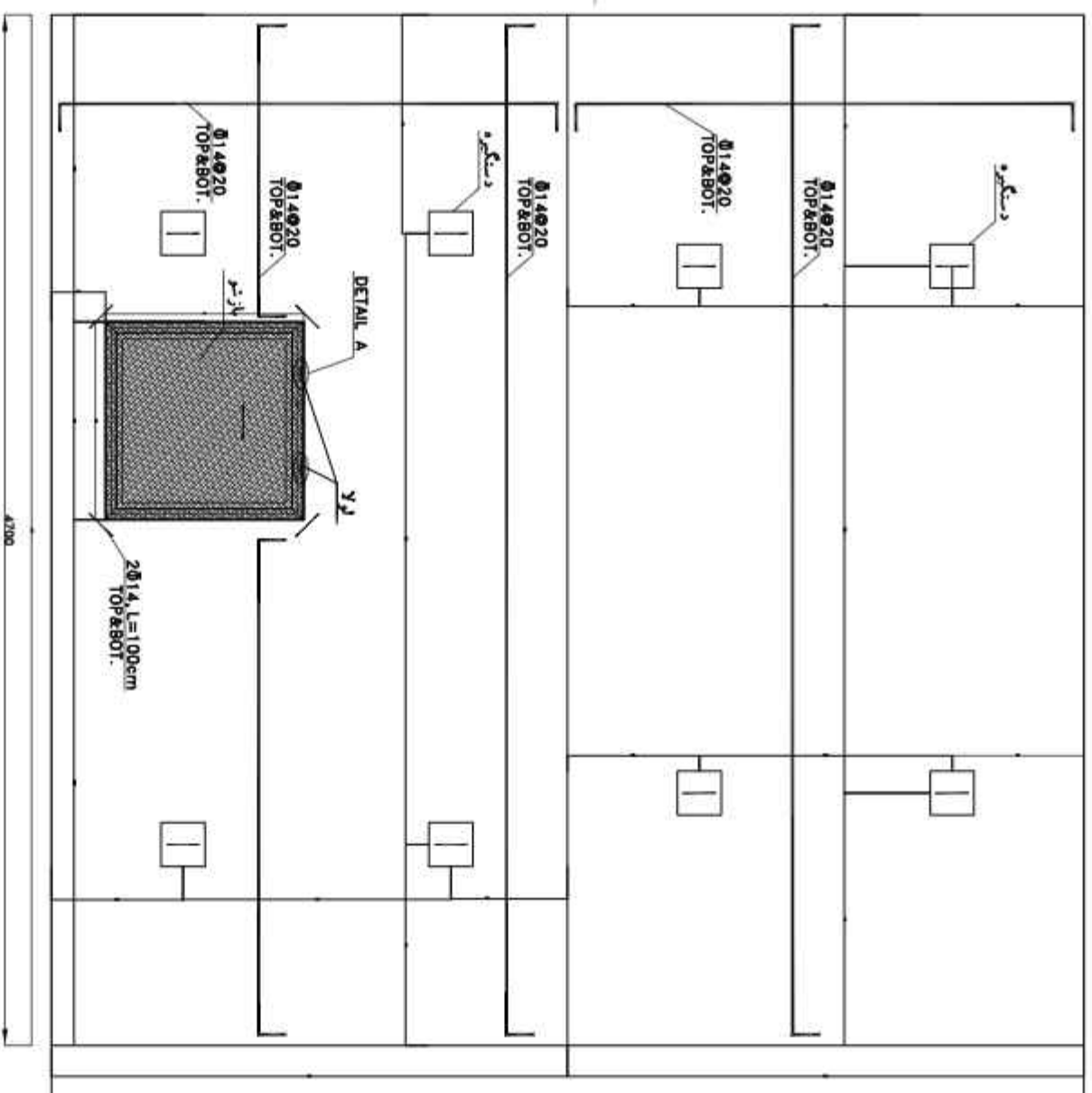


DETAIL A
SCALE 1:5

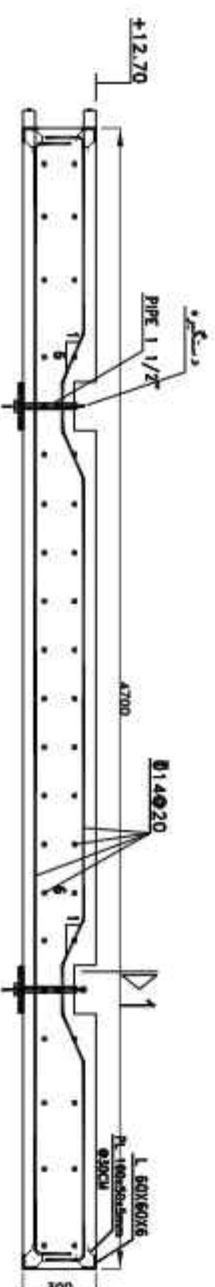


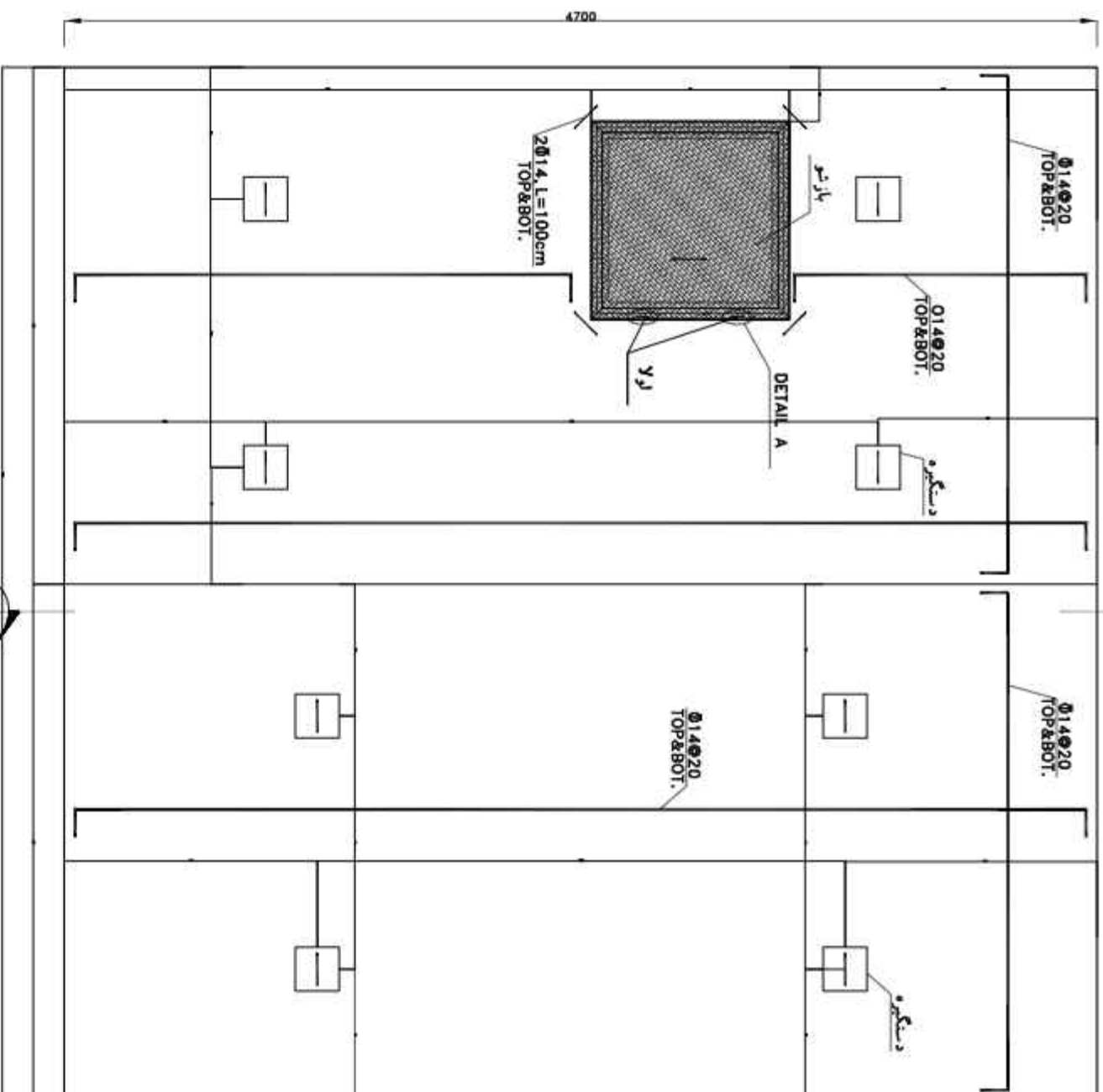
THK: 10mm

PLATE "A"



پلان آرماتورگذاری درب مشعل (#9)
SCALE 1:25

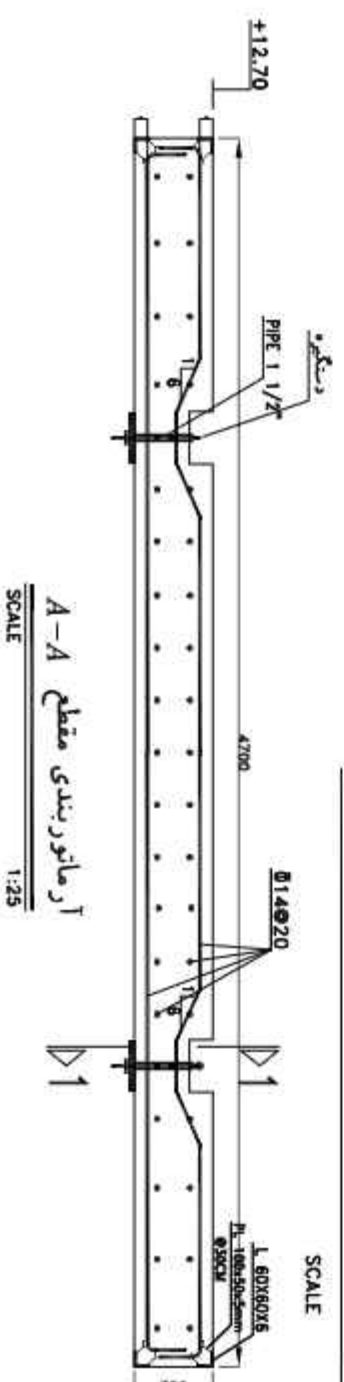




پلان آرماتورگذاری درب منهل (#5)

SCALE

1:25

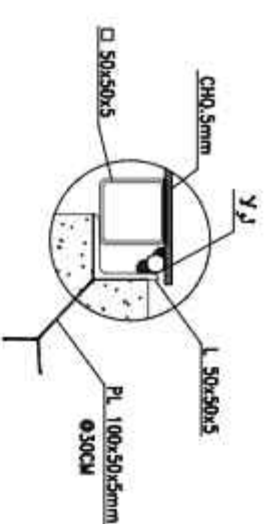


آرماتوربندی مقطع A-A

SCALE

1:25

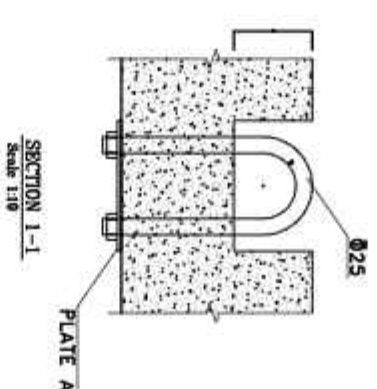
- لوله‌های درپوش بازشو منهل ها بطوری نصب شوند که امکان جدا کردن آنها بدون برش کاری وجود نداشته باشد.



DETAIL A

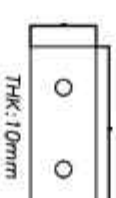
SCALE

1:5



SECTION 1-1

Scale 1:10

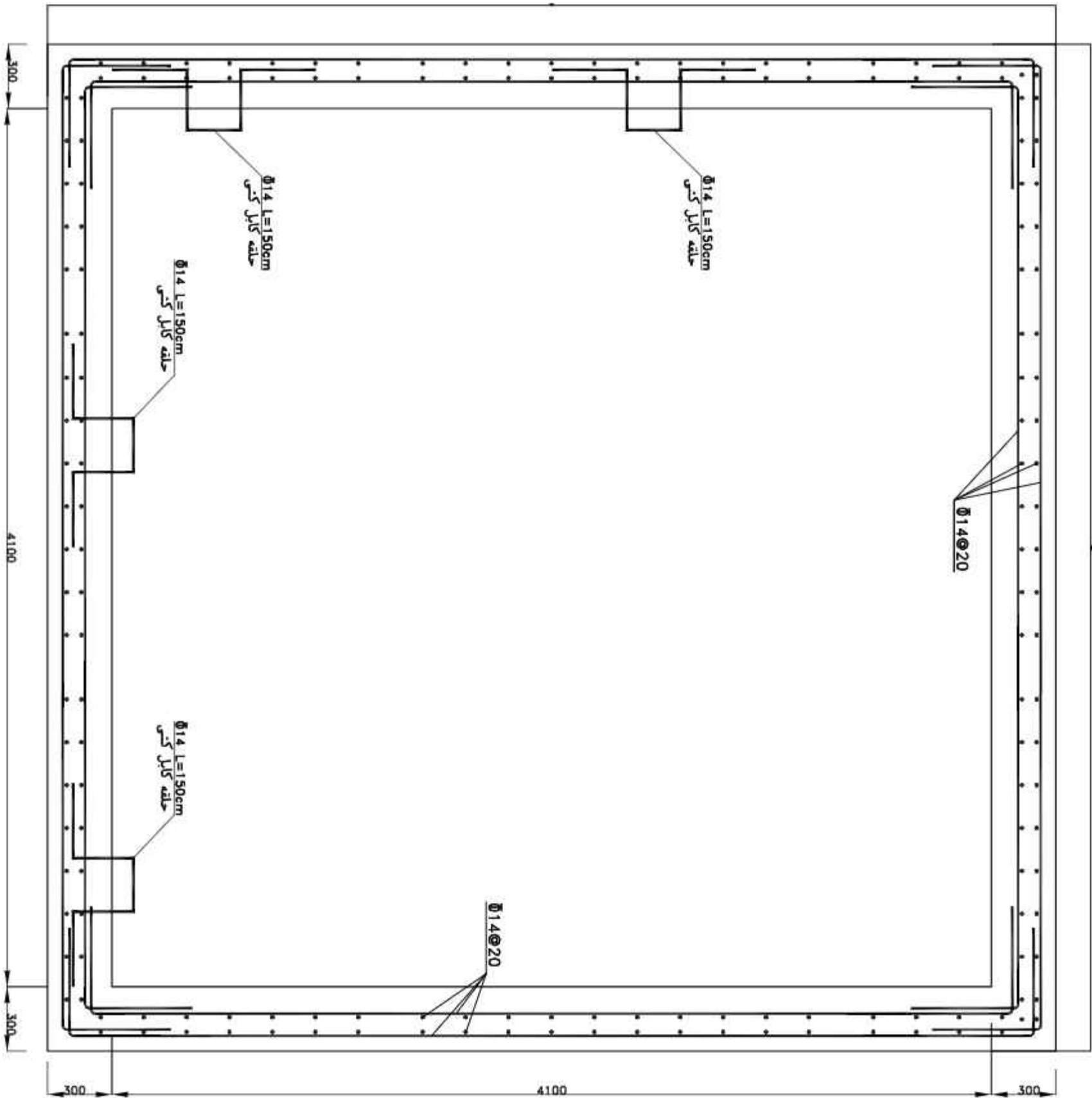


THK: 10mm

PLATE "A"

Scale 1:10

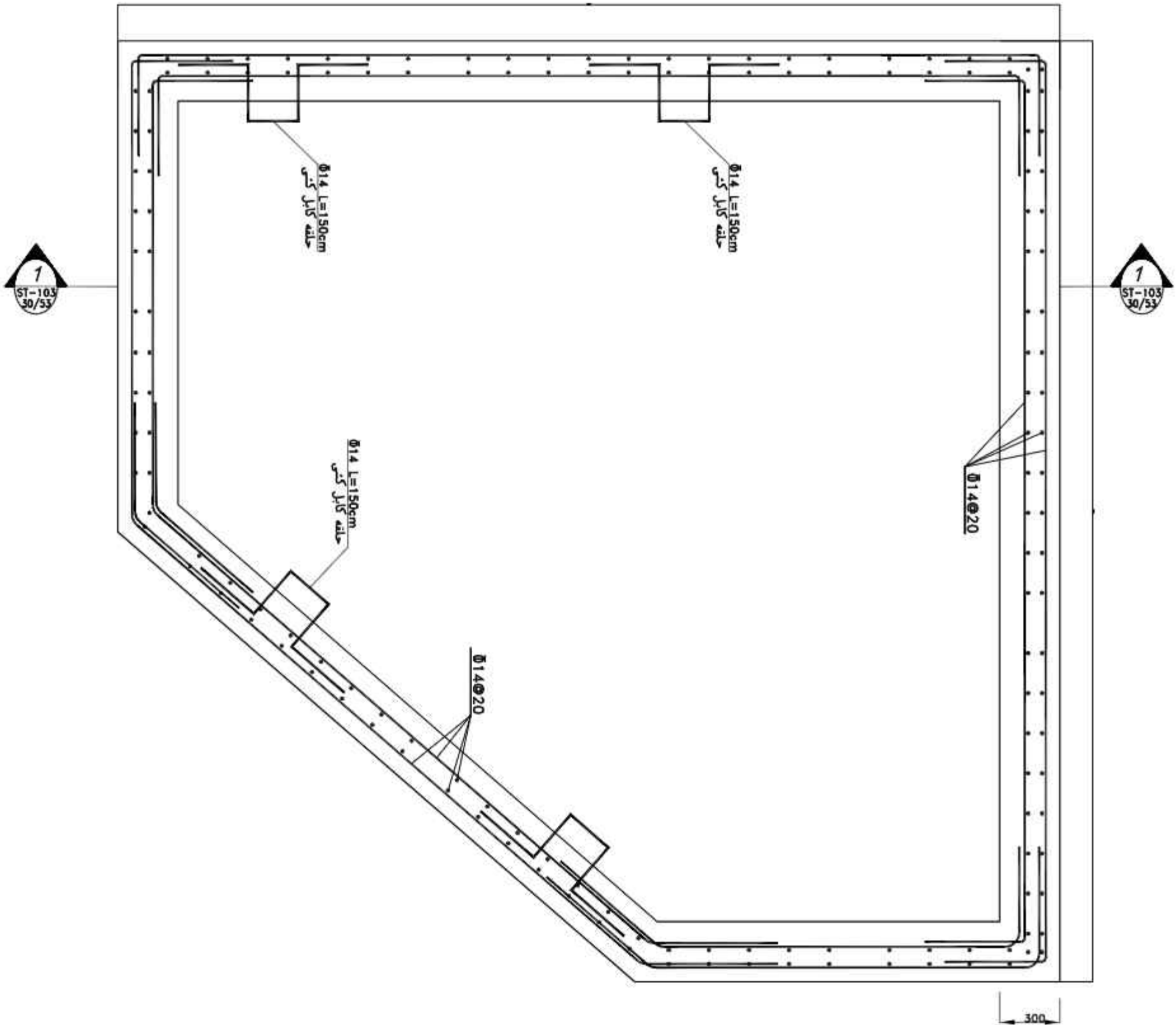
+12.20
زمین طبیعی



REINFORCMENT MANHOLE (TYPE 5)

SCALE 1:25

زمین طبیعی

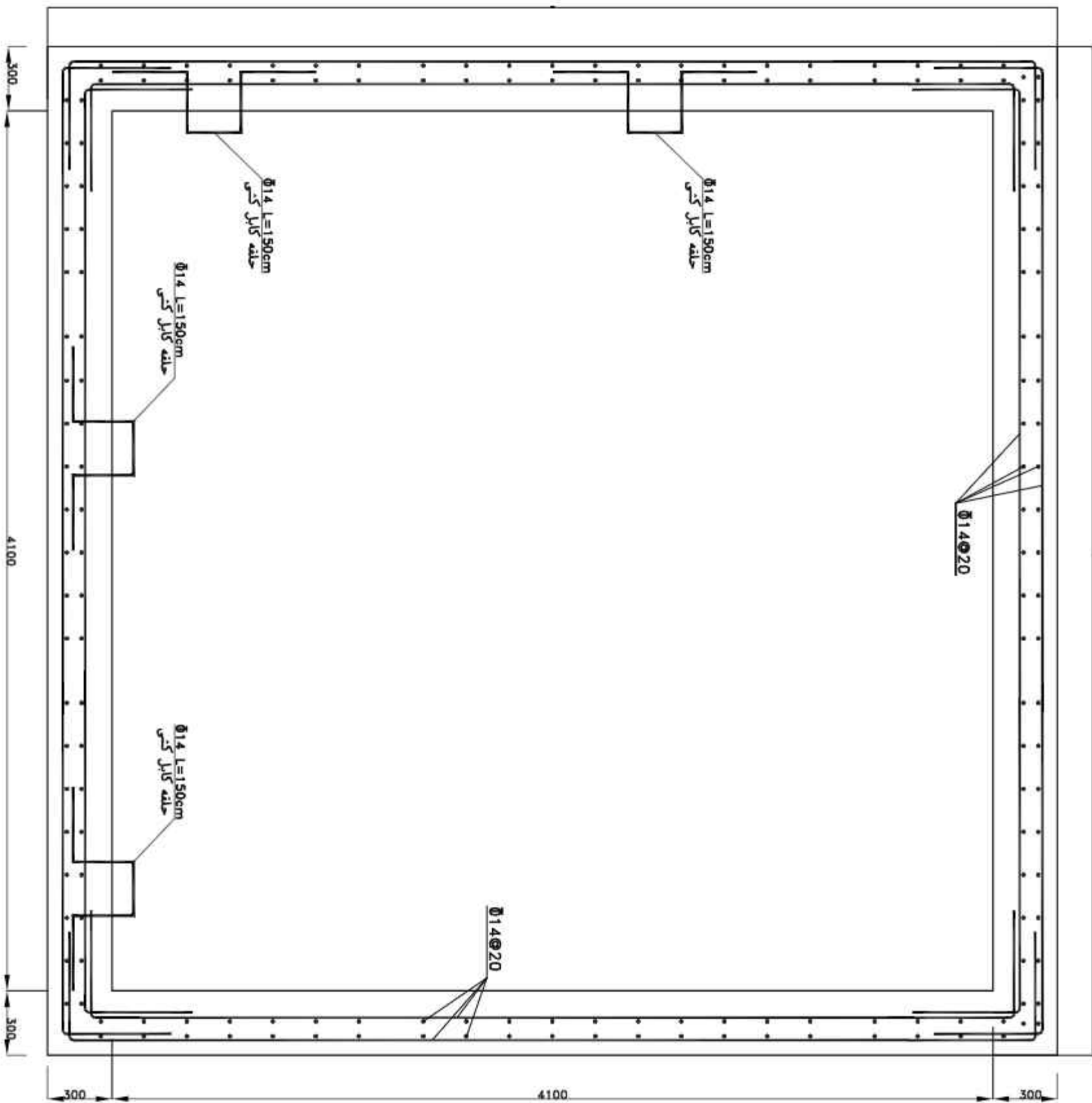


REINFORCEMENT MANHOLE (TYPE 6)

SCALE

1:25

+12.20
زمین طبیعی

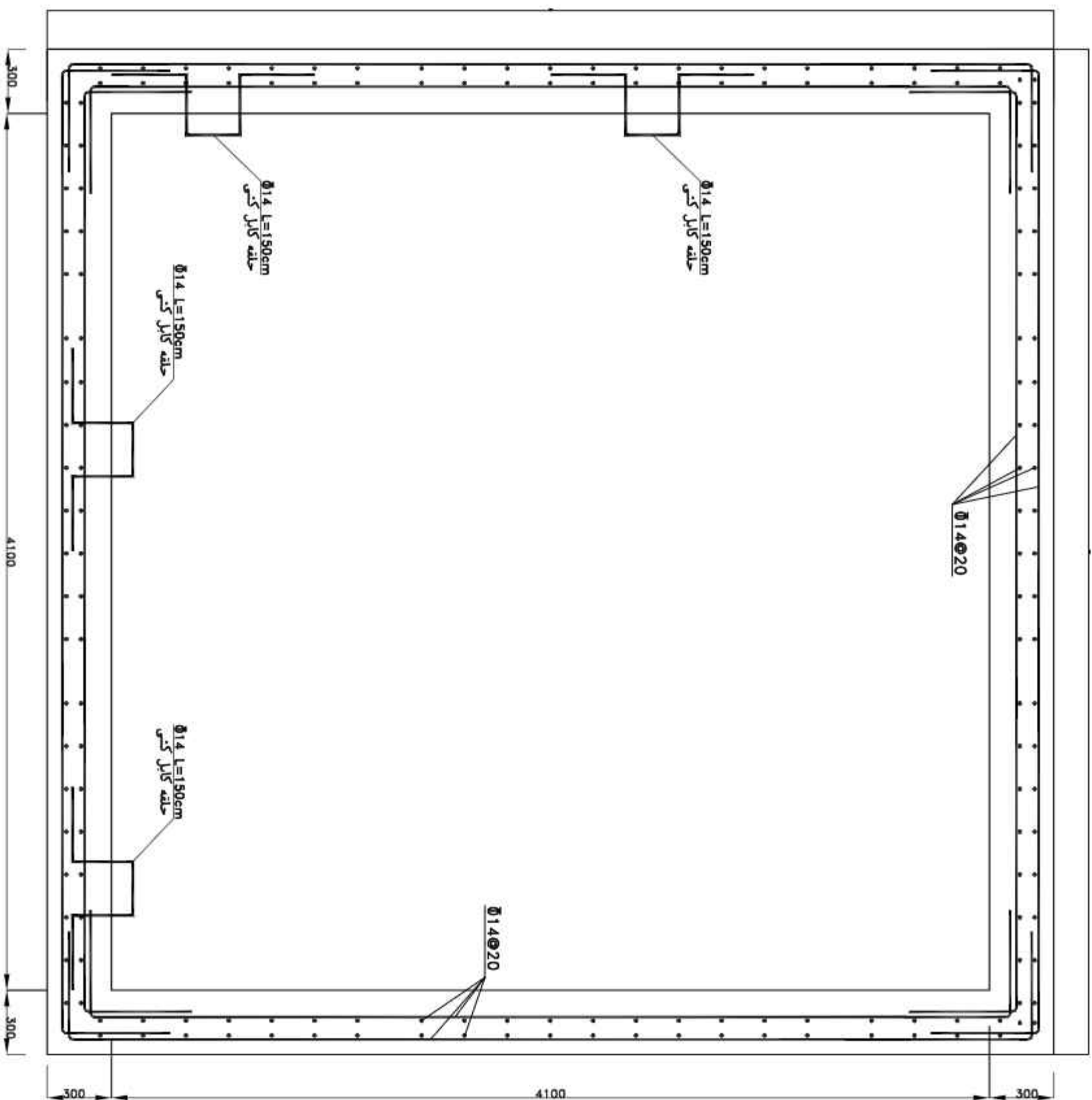


REINFORCEMENT MANHOLE (TYPE 7)

SCALE

1:25

+12.20
زمین کتبلی

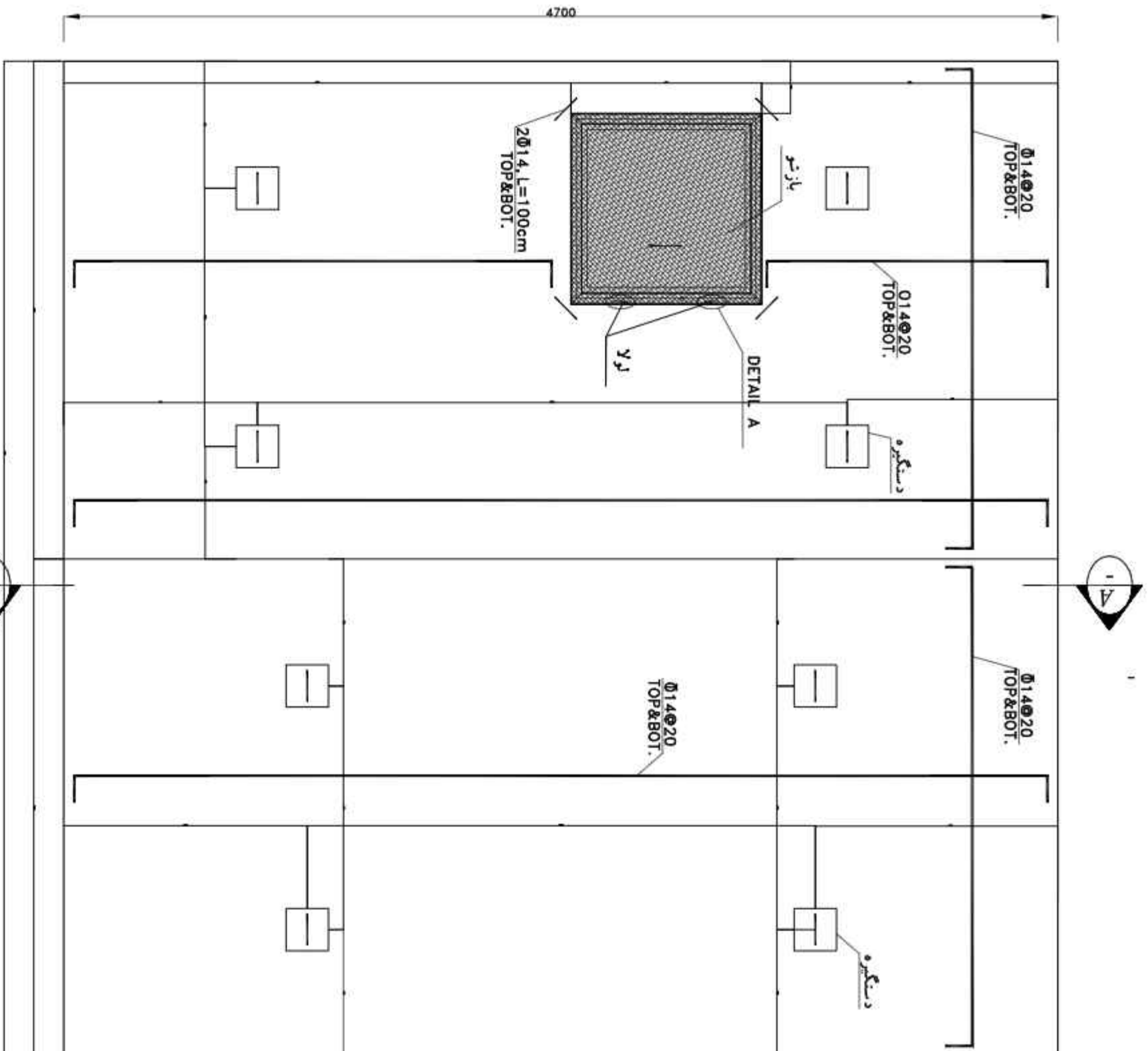
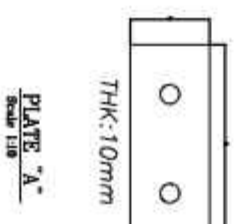
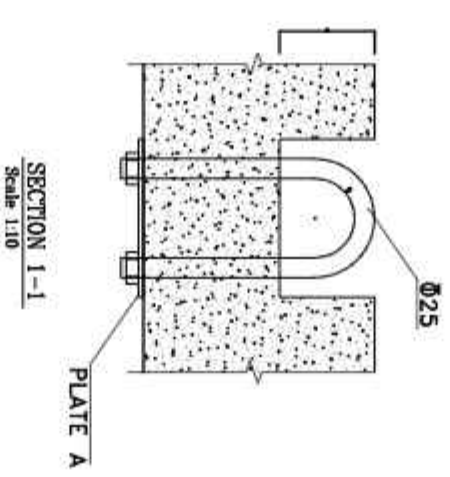
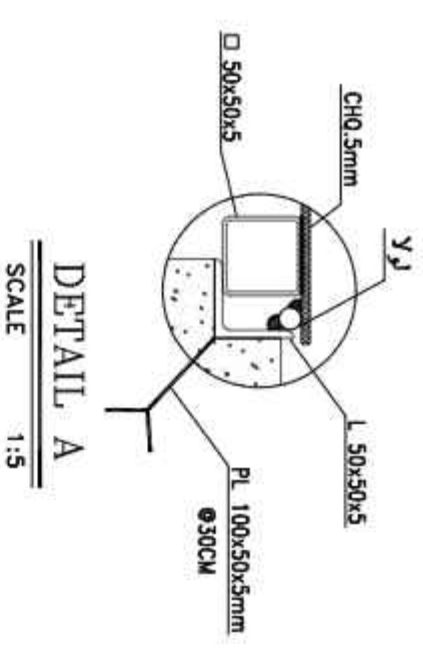


REINFORCEMENT MANHOLE (TYPE 9)

SCALE

1:25

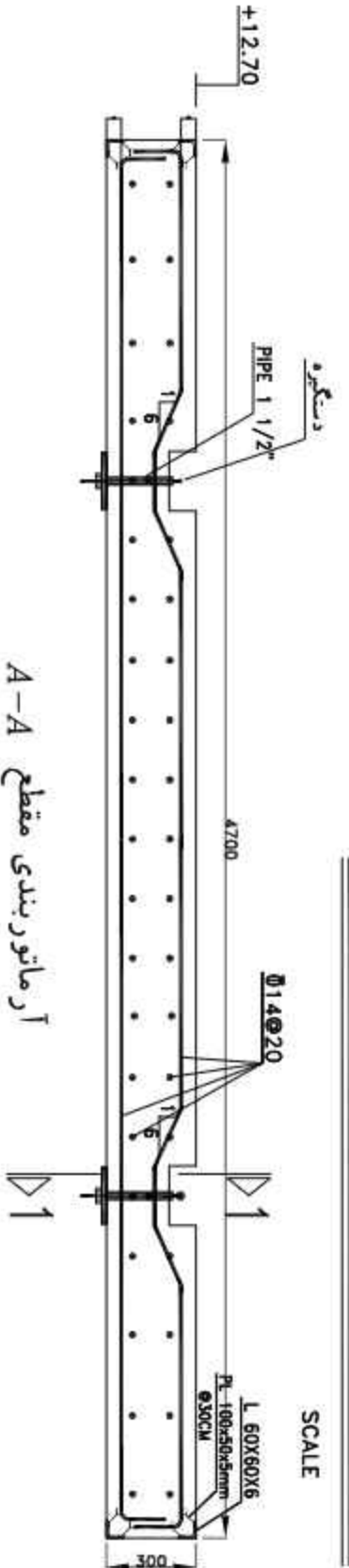
- لولاهای دریزش بارش منبزل ها طوری نصب شوند که امکان جدا کردن آنها بدون برش کاری وجود نداشته باشد.

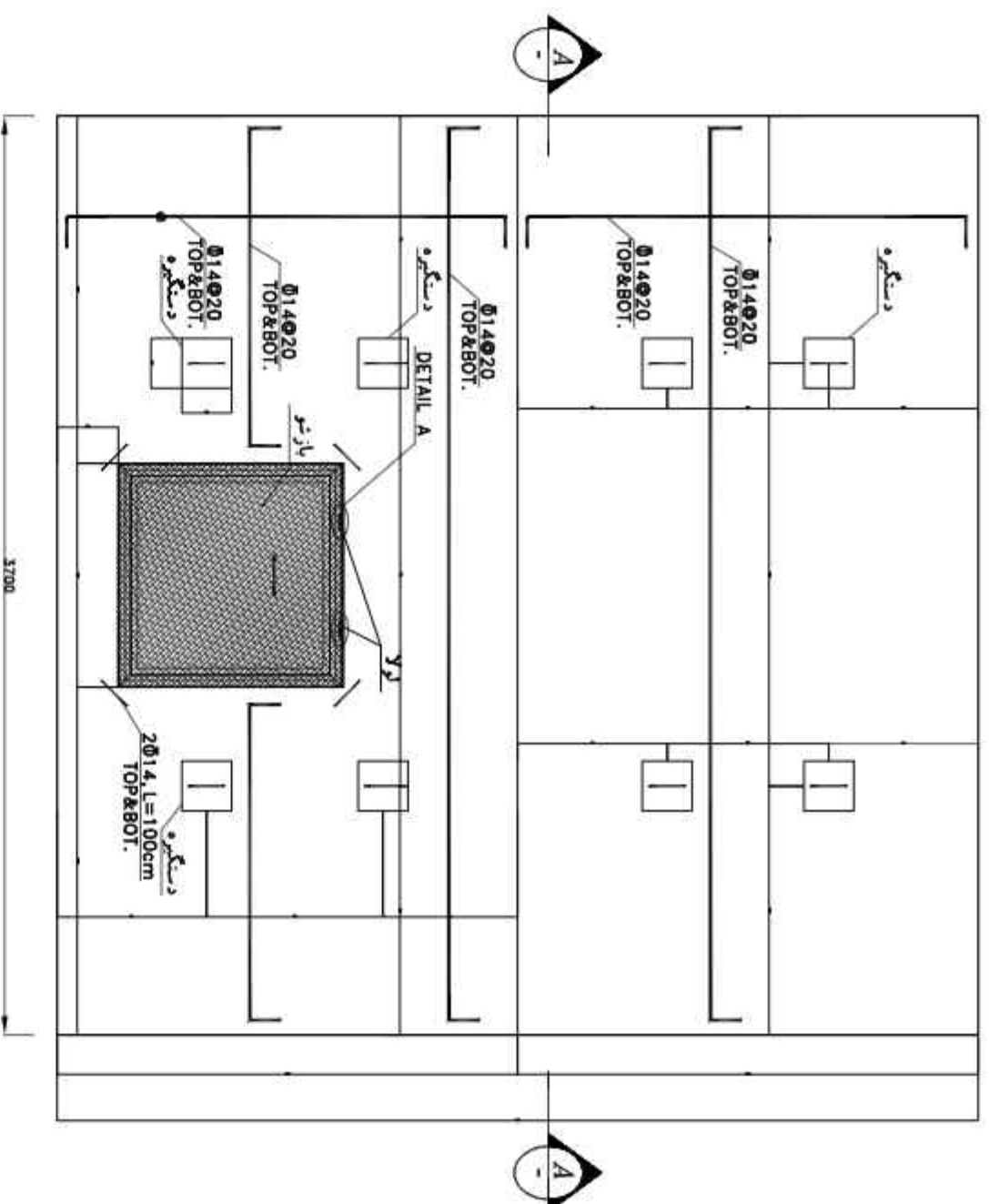


پلان آرماتورگذاری درب منبزل (#1)

SCALE

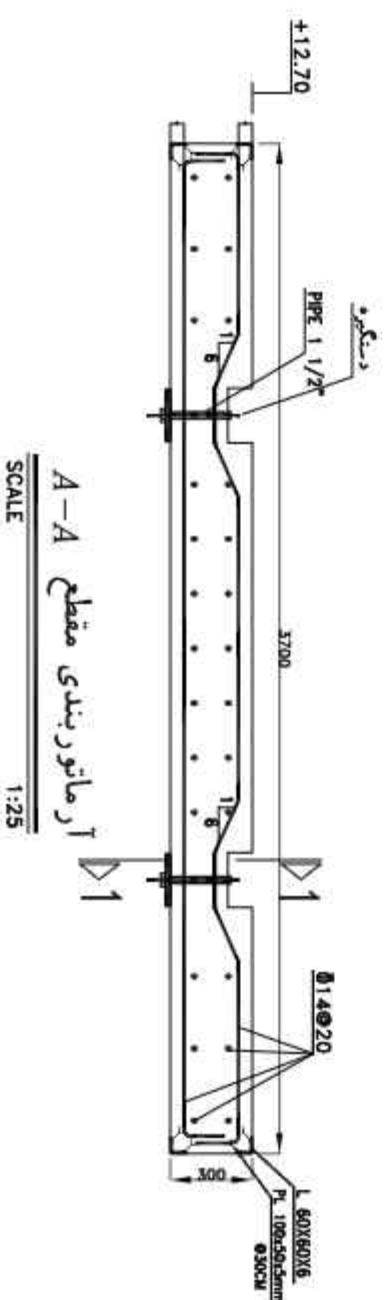
1:25





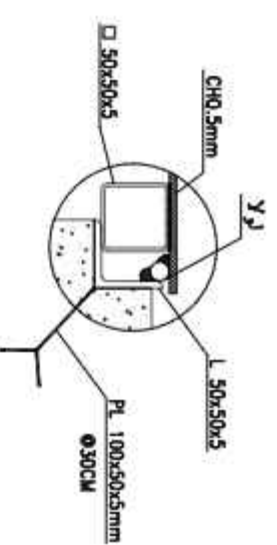
پلان آرماتورگذاری درب منهول (#2)

SCALE 1:25

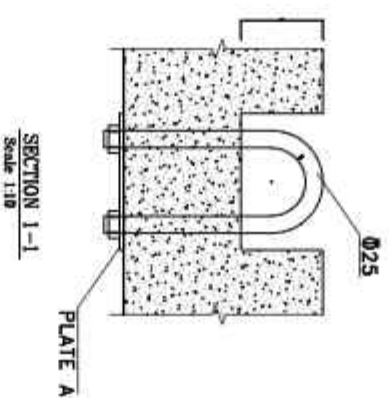


آرماتوربندی مقطع A-A
SCALE 1:25

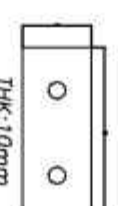
- نواحی درهش بازشو منهول ها طوری نصب شوند که امکان جدا کردن آنها بدون برش کاری وجود نداشته باشد



DETAIL A
SCALE 1:5

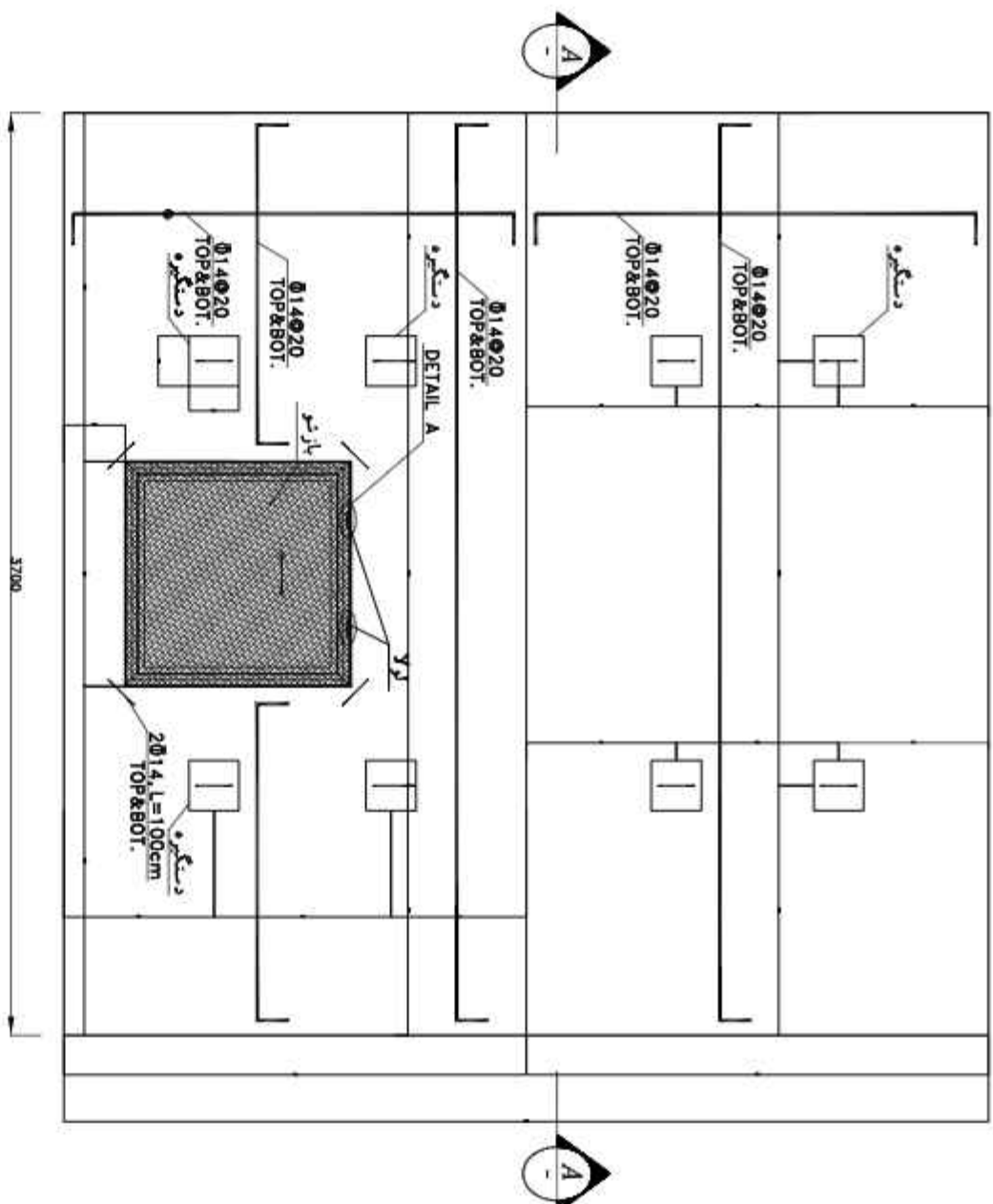


SECTION 1-1
Scale 1:10



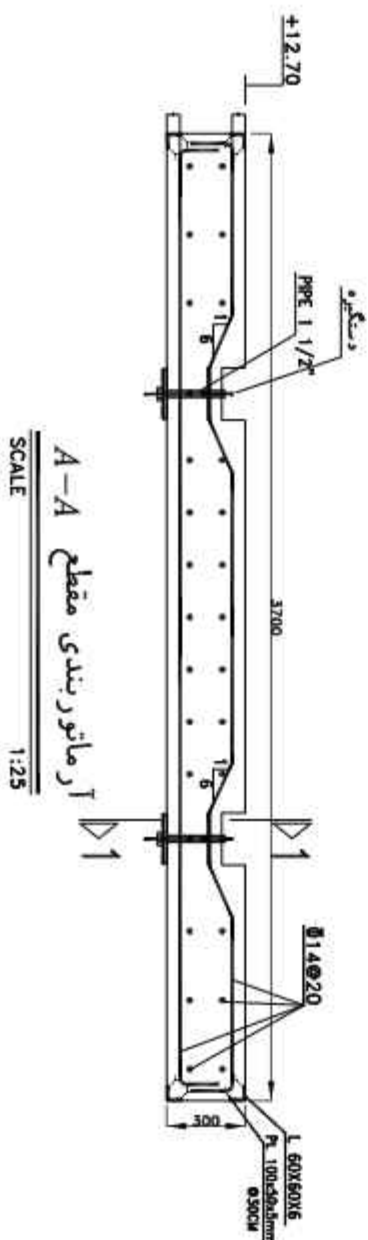
THK: 10mm

PLATE "A"
Scale 1:10



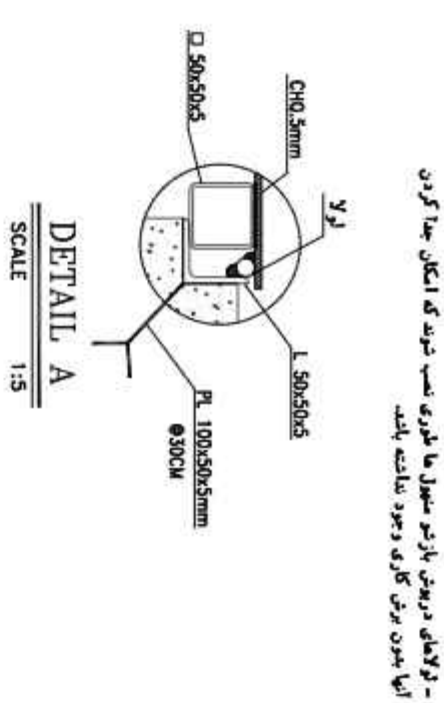
پلان آرماتورگذاری درب منهول (#2)

SCALE 1:25



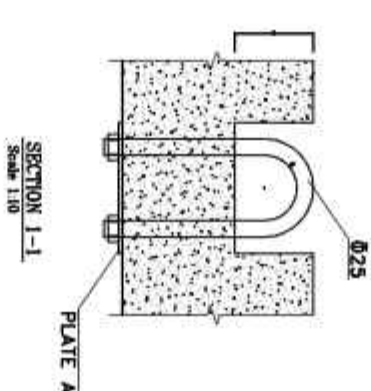
آرماتوربندی مقطع A-A

SCALE 1:25



DETAIL A

SCALE 1:5



SECTION I-I

Scale 1:10

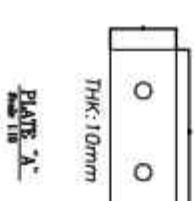


PLATE A

Scale 1:10

۱- بستر روسازی بتنی قبل از اجرای کفسازی می بایست به تراکم ۱۰۰٪ برسد.

۲- عیار بتن مصرفی در بتن دال کف ، حداقل 400 kg/m^3 می باشد .

۳- به میزان ۵۰ درصد وزنی سیمان بصورت میکروسیلیس مازاد در طرح اختلاط بتن در نظر گرفته می شود .

۴- نسبت آب به سیمان ۰٫۲ و حداکثر ۰٫۴ توصیه می شود.

۵- عمل آوری سطوح بتن در مراحل اولیه با پوشش نایلون آغاز و پس از گیرش اولیه

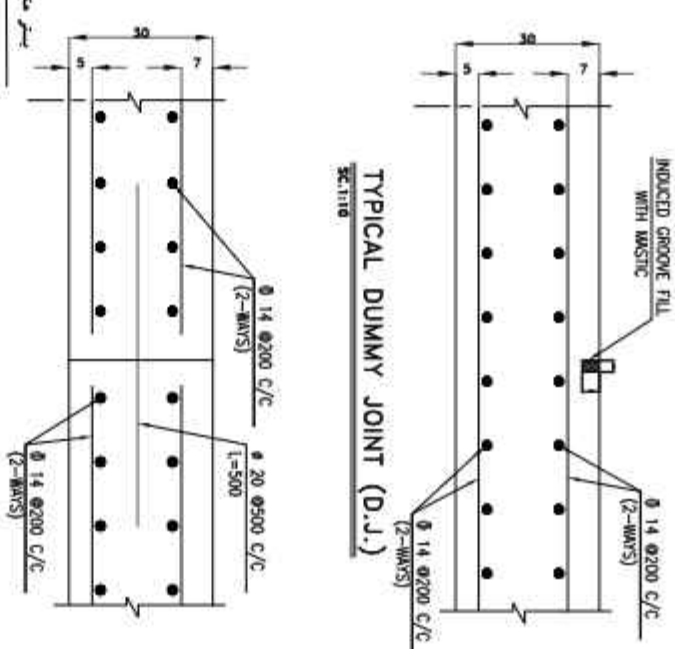
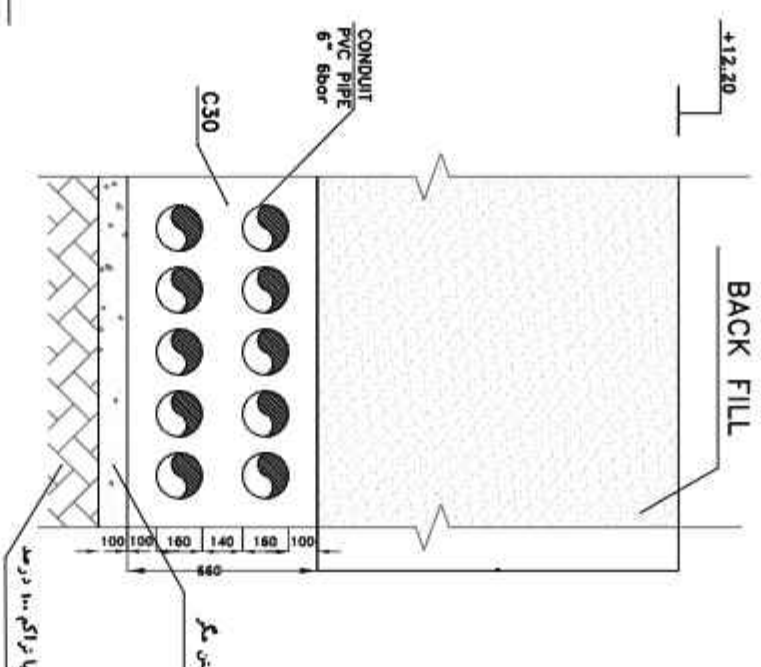
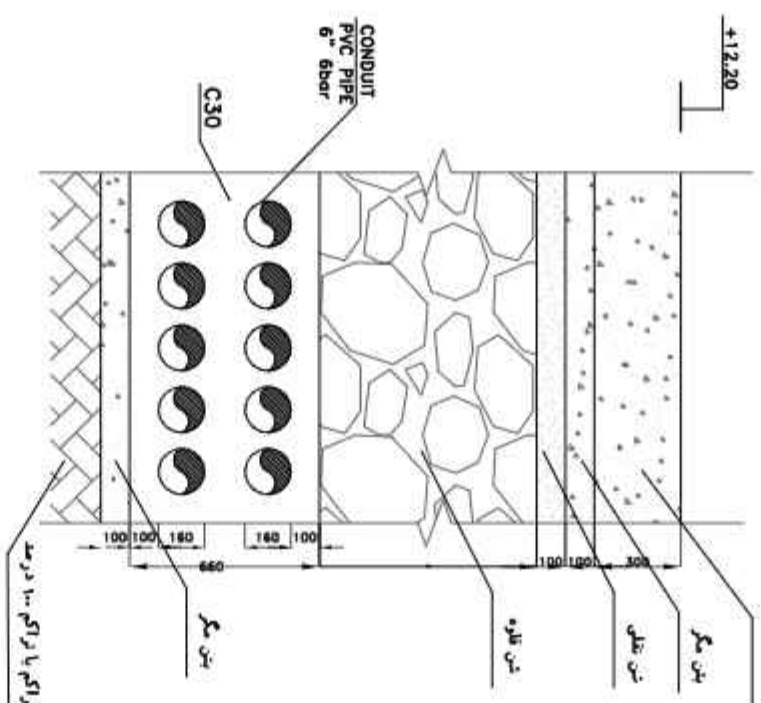
بالیاشی مداوم و پوشش نایلون با گونی بعدت ۷ روز انجام می گردد.

۶- درزهای انقباضی به صورت آره زنی انجام می شود .

۷- مرطوب نگه داشتن سطح در زمان عمل آوری بسیار مهم است.

۸- مقاومت مشخصه بتن مسلح بر روی نمونه استوانه ای: $f'c = 300 \text{ Kg/cm}^2$ مقاومت مشخصه بتن

کفازی بتنی



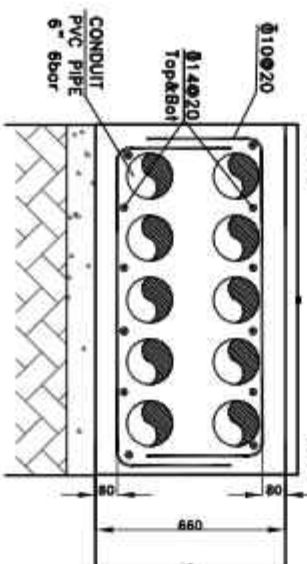
مقطع کاندوئیت بانک تیب ۱

SCALE 1:20

مقطع کاندوئیت بانک تیب ۲

SCALE 1:20

SLAB CONSTRUCT. JOINT SECTION



آرمانیور بندی کاندوئیت بانک

SCALE 1:20

- حملات BACK FILL از اتمام بتن ریزی باید به صورت لایه به لایه همراه با کوبش

انجام شود. در مواردی که از BACK FILL روی سازه بتن انجام می گردد ، حملات کوبش

باید با حملگی دستگاه نظارت و با استفاده از پوشش محافظ (SLEEVE) به دور سازه بتن

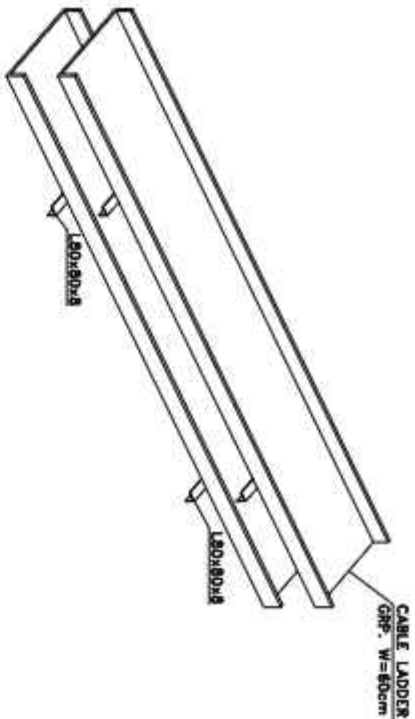
اجرا گردد.

مدر مناطقی که اجرای کاندوئیت بانک منجر به تخریب کفسازی بتنی می گردد، می بایست از تیب ۱

و در غیر اینصورت از تیب ۲ استفاده گردد.

ستارز ارتعاشی کاندوئیت بانک ها می بایست با توجه به طبقه های منبهر ها تعیین گردد.

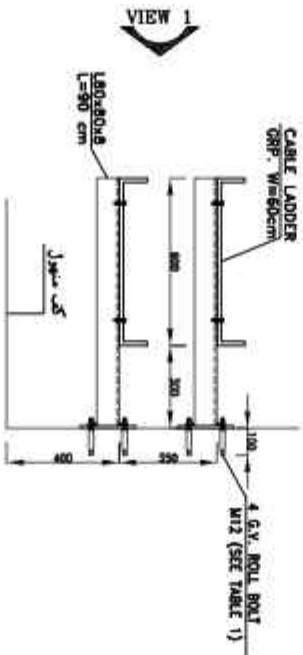
-در محل های عبور کاندوئیت بانک از زیر جاده نیز از تیب ۱ استفاده گردد.



3D VIEW OF SUPPORTS

M.T.S.

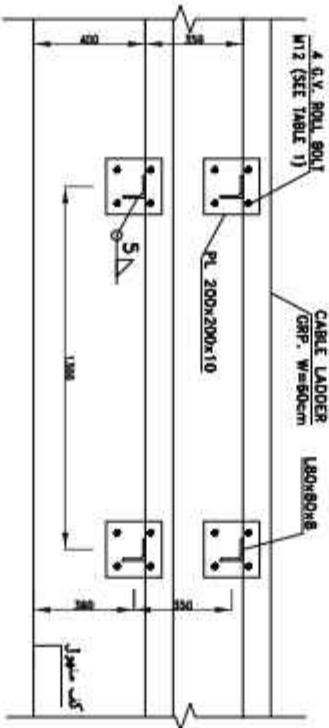
TABLE 1: ROLL BOLTS SPECIFICATIONS			
ANCHOR SIZE	ANCHOR LENGTH (mm)	BASE PLATE CLEARANCE HOLE (mm)	SUGGESTED MATERIAL
M12	100	14	MILTI HSA-F M12 20/3/- OR EQUAL
M16	182	18	MILTI HSA-F M12 85/70/30 OR EQUAL



جزئیات سازه ها

SCALE

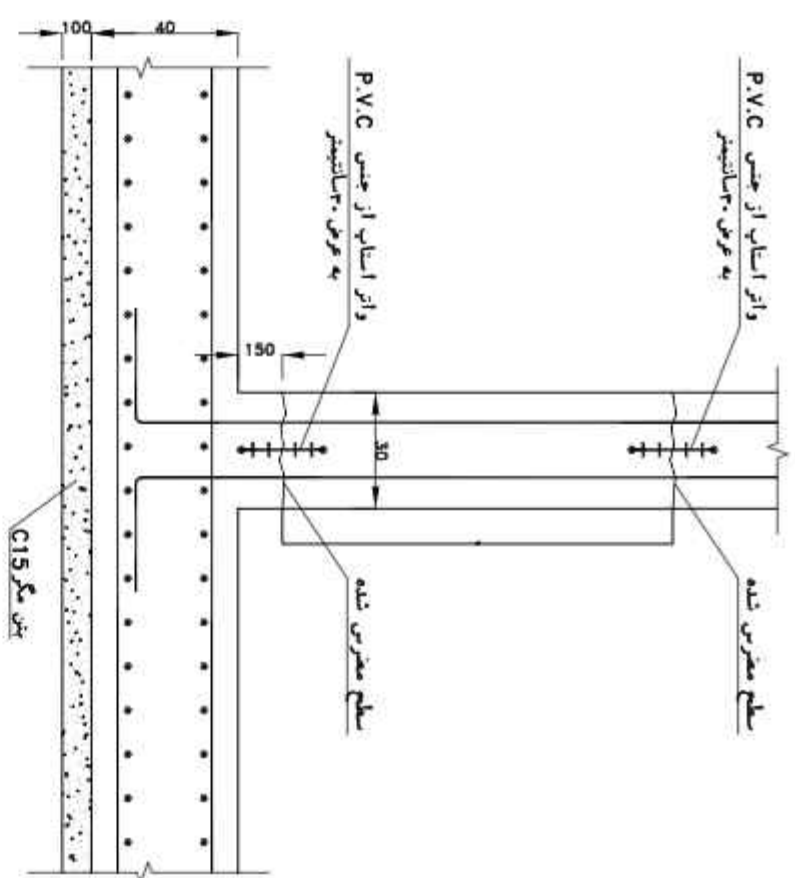
1:20



VIEW 1

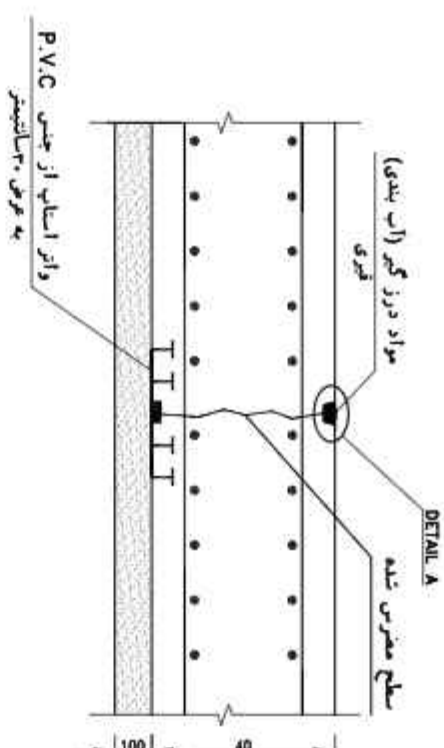
SCALE

1:20



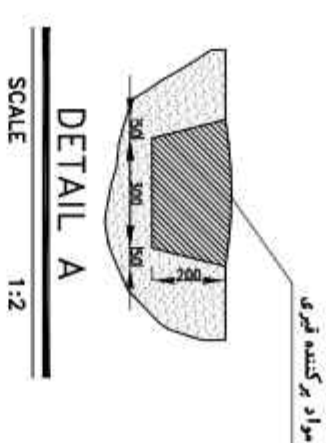
جزئیات درز اجرایی در دیوار

SCALE 1:25



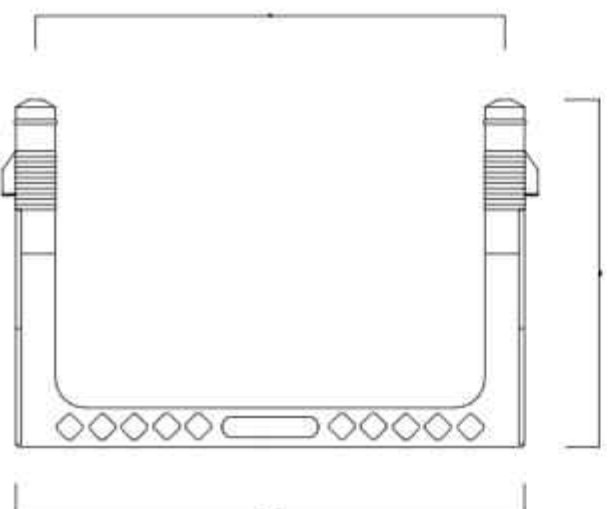
جزئیات درز اجرایی در کفها

SCALE 1:20



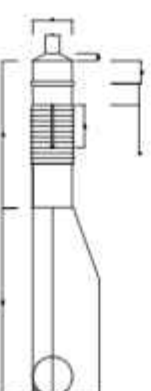
DETAIL A

SCALE 1:2



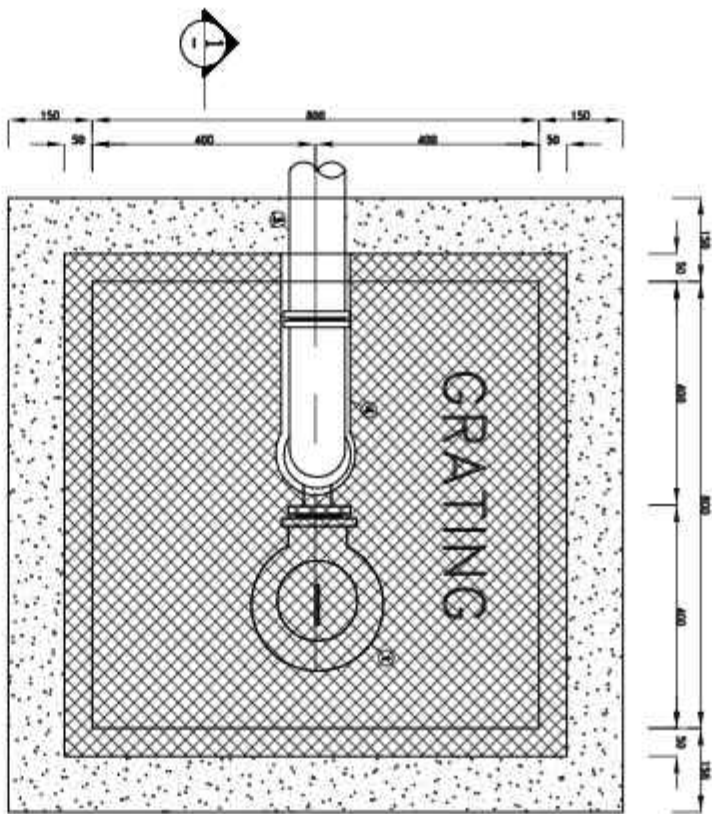
پله استخوری منھول ها

SCALE 1:5



VIEW 1

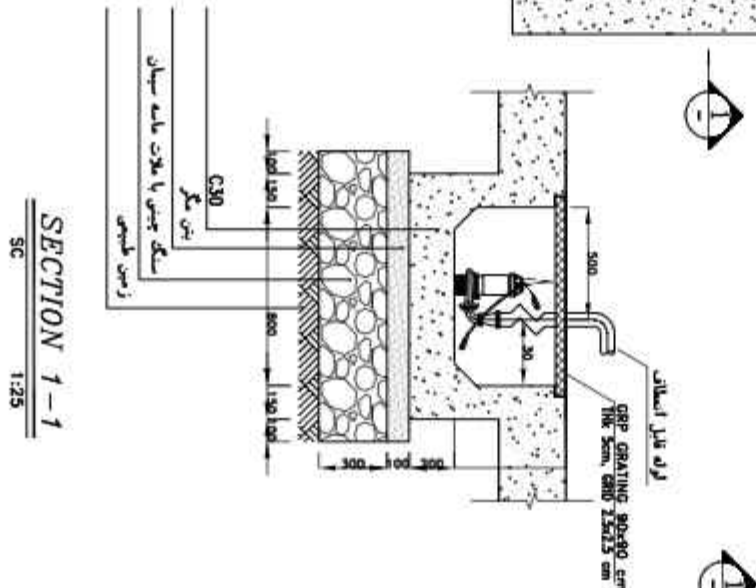
SCALE 1:5



پلان چاله پمپ کف کس

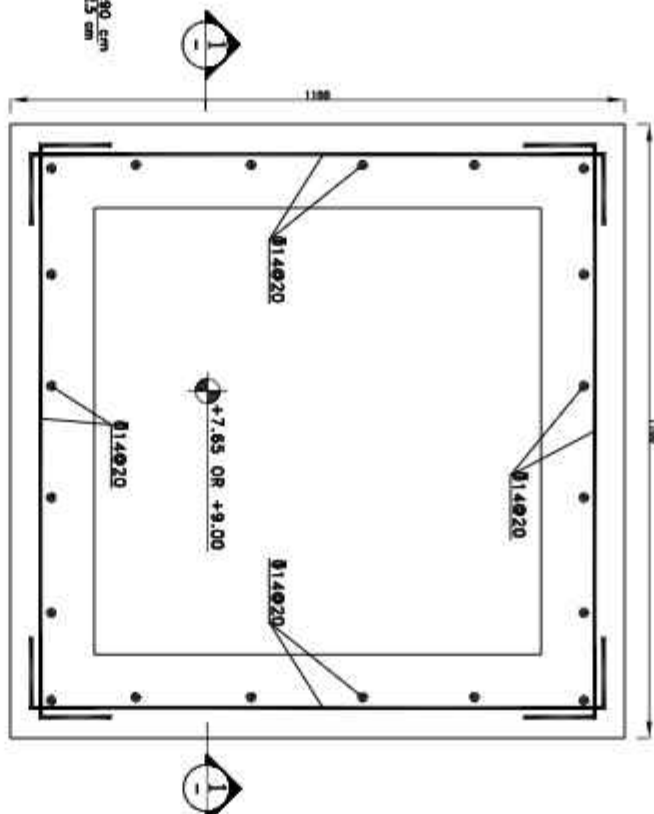
SC 1:10

DATA SHEET MECHANICAL			
POS	ITEM	SPECIFICATION	QTY
PUMP		HEAD-4-21m N-28008PM p-3kw CAPACITY-5-95 m ³ /h	2



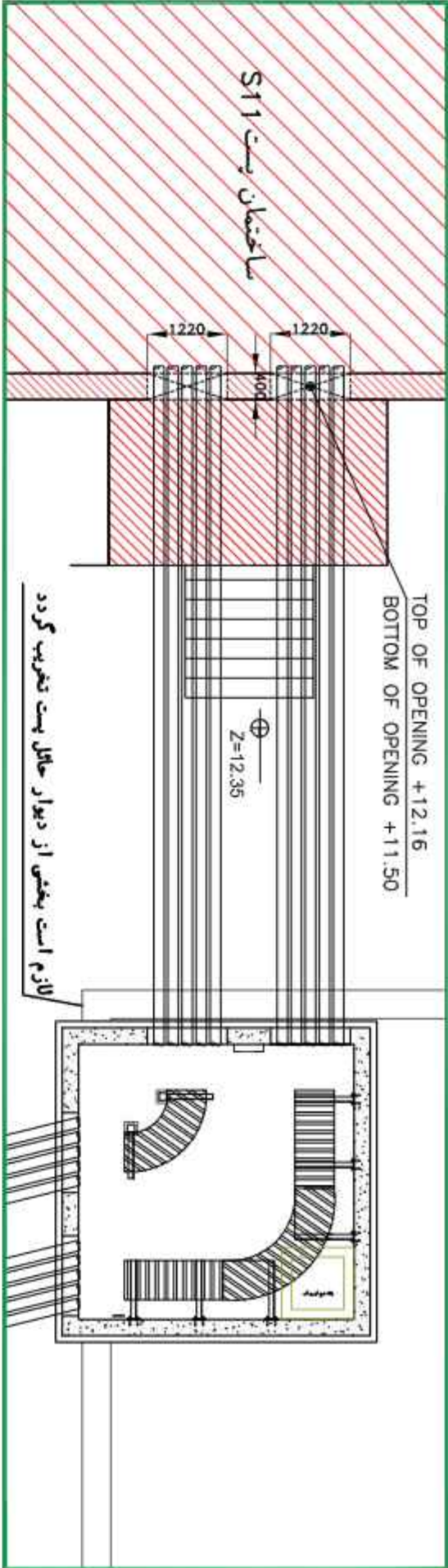
SECTION 1-1

SC 1:25



پلان حوضچه پمپ کف کس

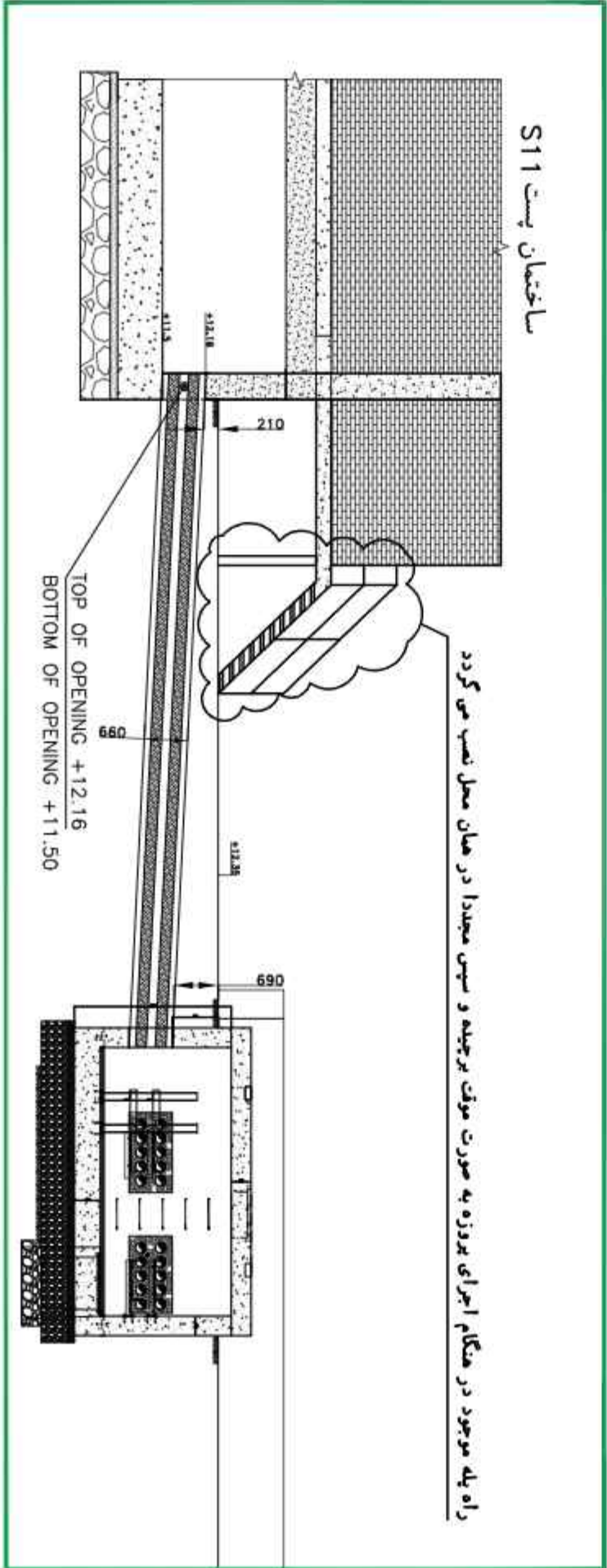
SC 1:10



پلان مسیر کاندوئیت بانک شیت شماره ۱

SCALE

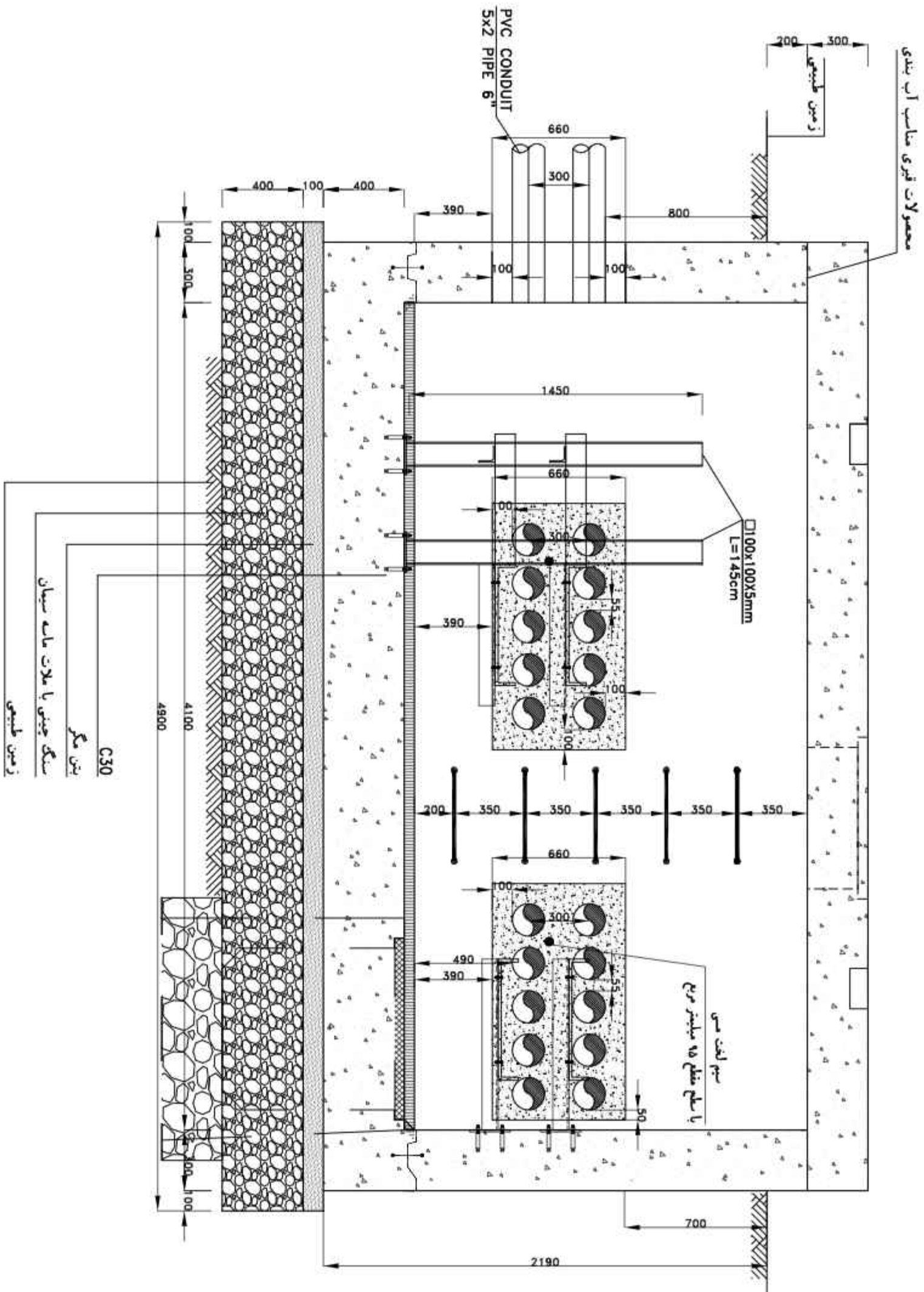
1:100



پروفیل مسیر کاندوئیت بانک شیت شماره ۱

SCALE

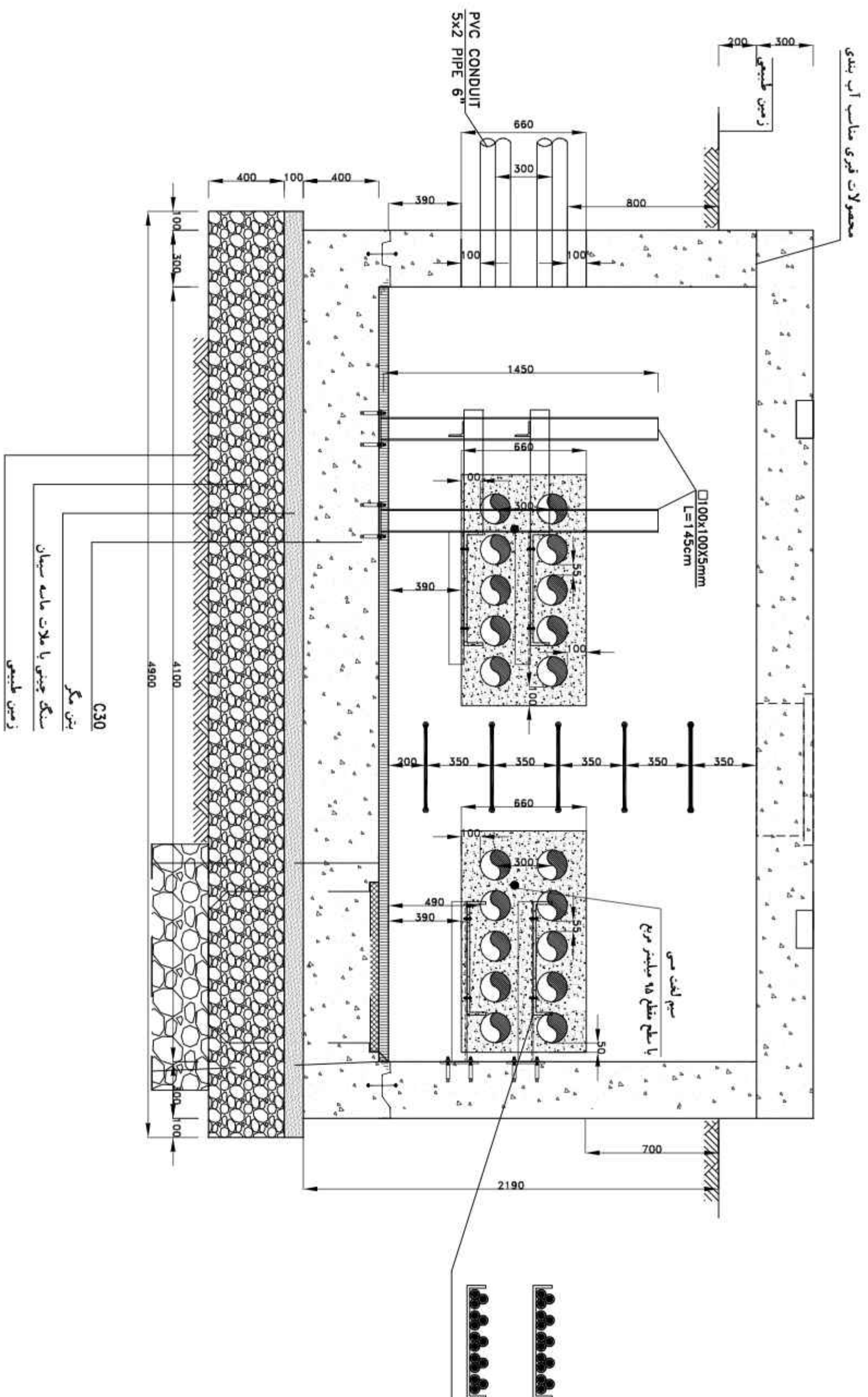
1:100



SECTION 1-1 OF MANHOLE #8

SCALE

1:25

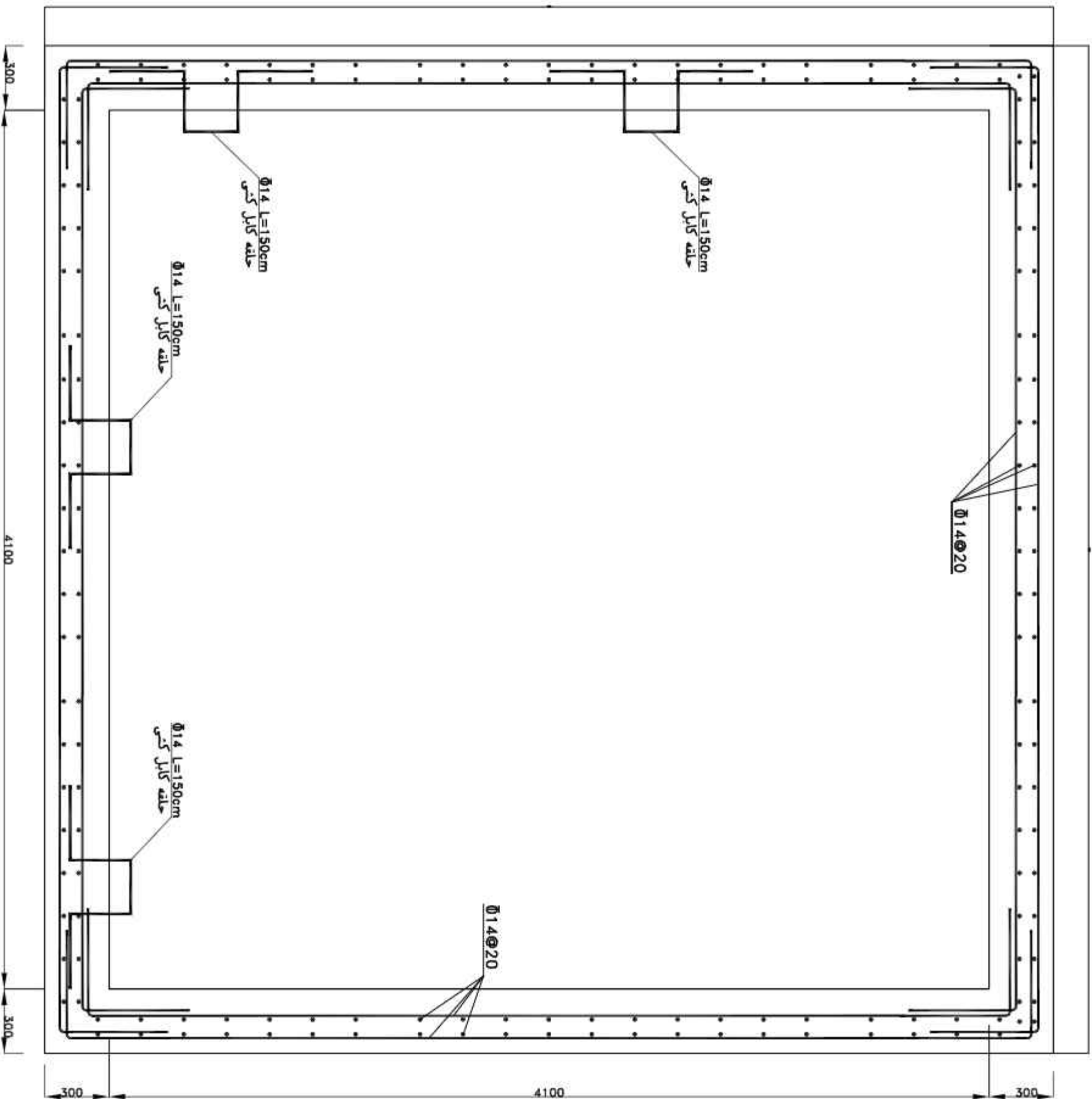


SECTION 1-1 OF MANHOLE #1

SCALE

1:25

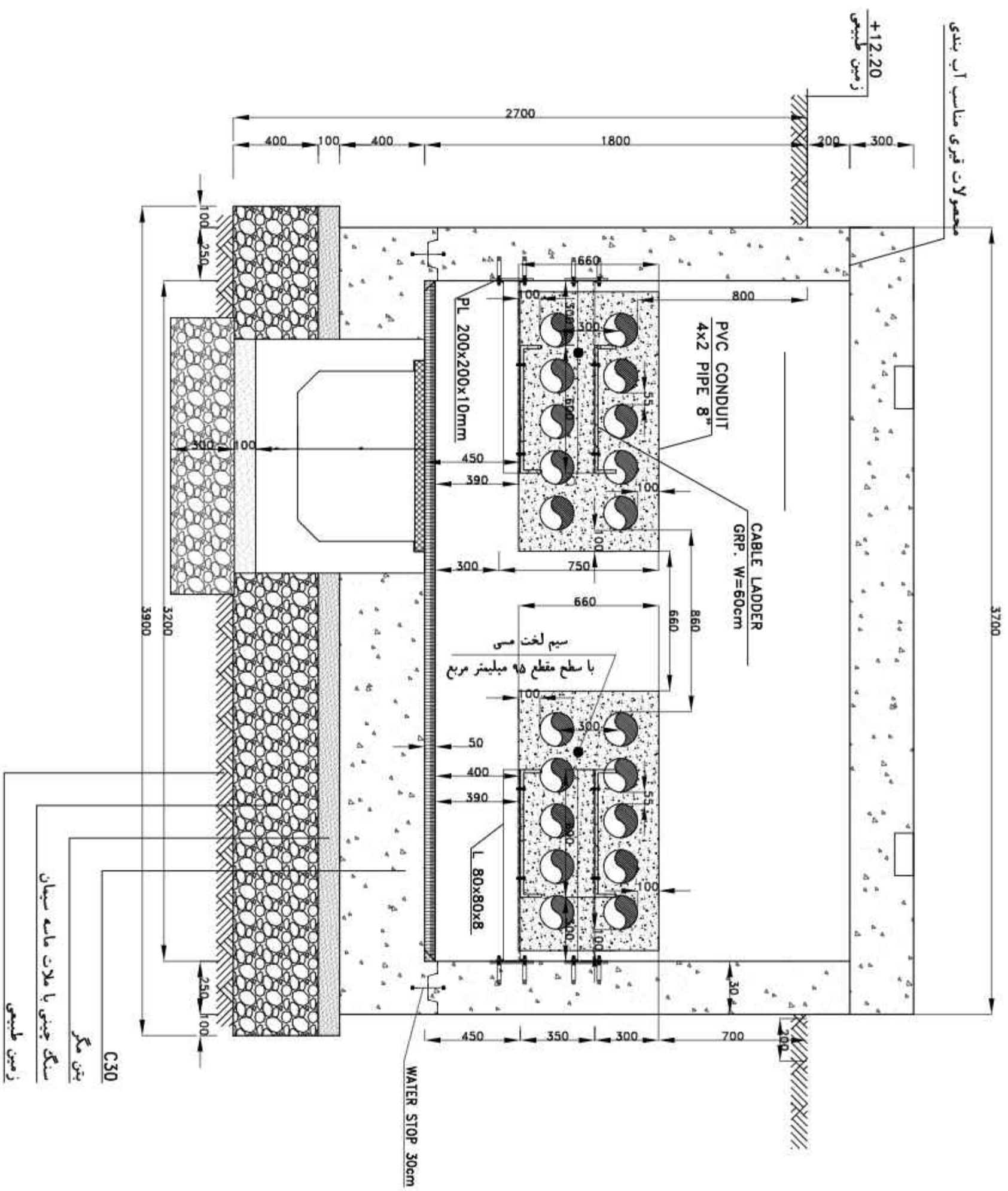
+12.20
زمین طبیی



REINFORCEMENT MANHOLE (TYPE 1)

SCALE

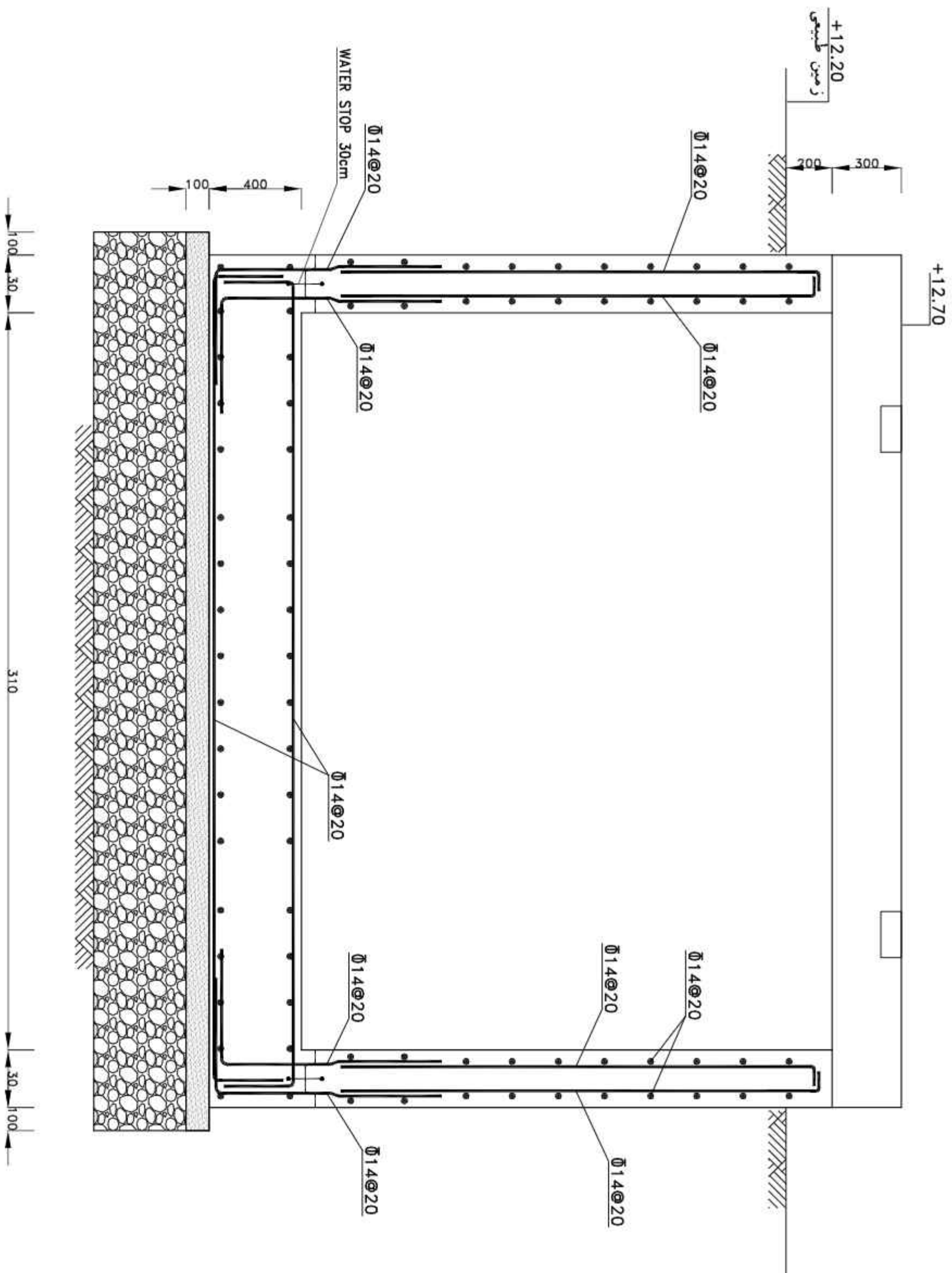
1:25



SECTION 1-1 OF MANHOLE #2

SCALE

1:25



SECTION 2-2 OF MANHOLE (2)

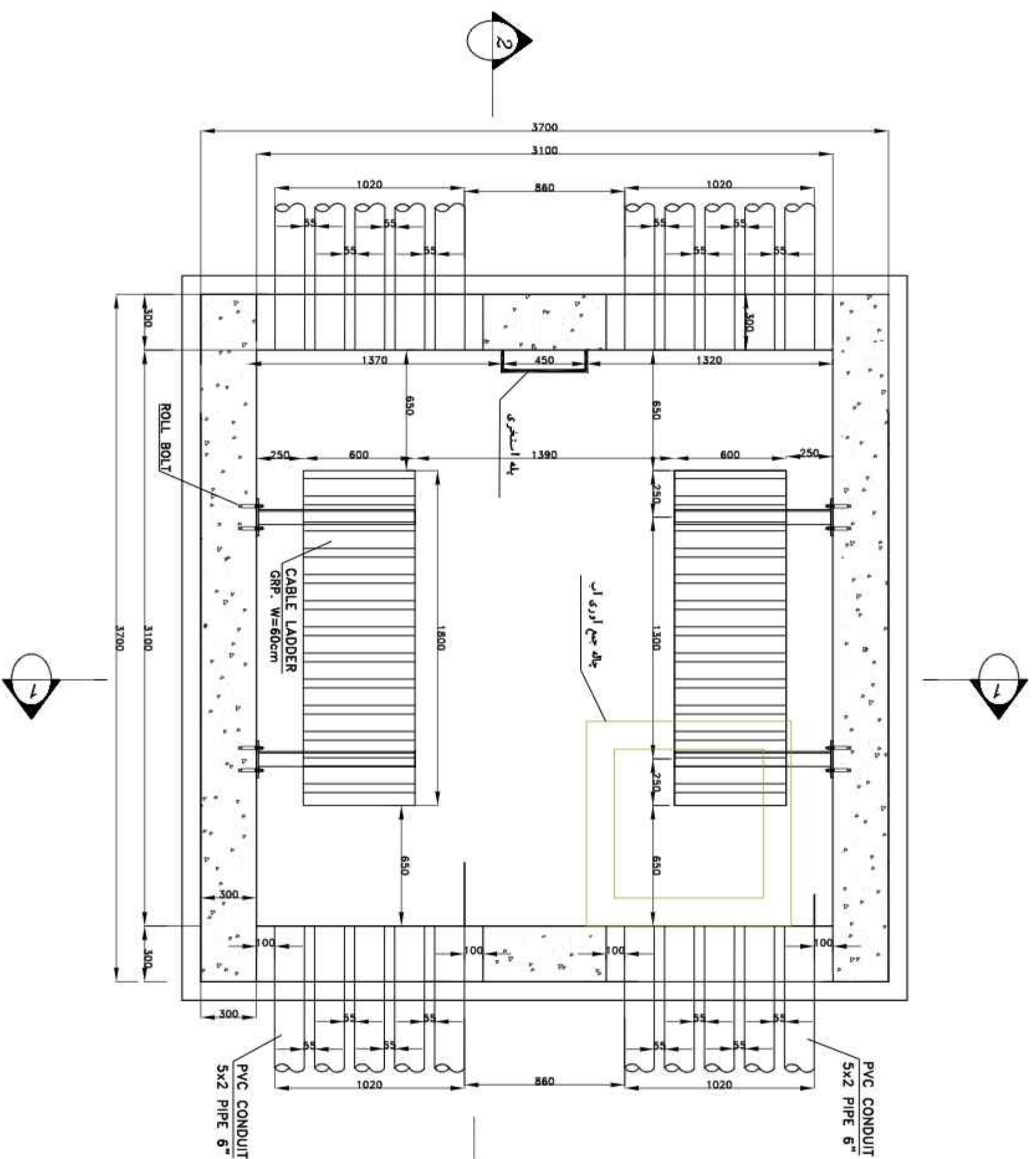
SCALE REINFORCMENT 1:25

کلیه اندازه های ذکر شده در نقشه ها بر حسب میلی متری باشند

- تمامی پروفیل های استفاده شده جهت سابلورت نردبانهای کابل بصورت فولاد با پوشش گالوانیزه گرم به ضخامت حداقل ۸۰ میکرون طراحی شده اند ولی بر اساس درخواست کارفرما لازم است با استعلام از شرکت های سازنده پروفیل های کامپوزیتی ، المانهای معادل آنها با تایید دستگاه نظارت و کارفرما جایگزین گردد.

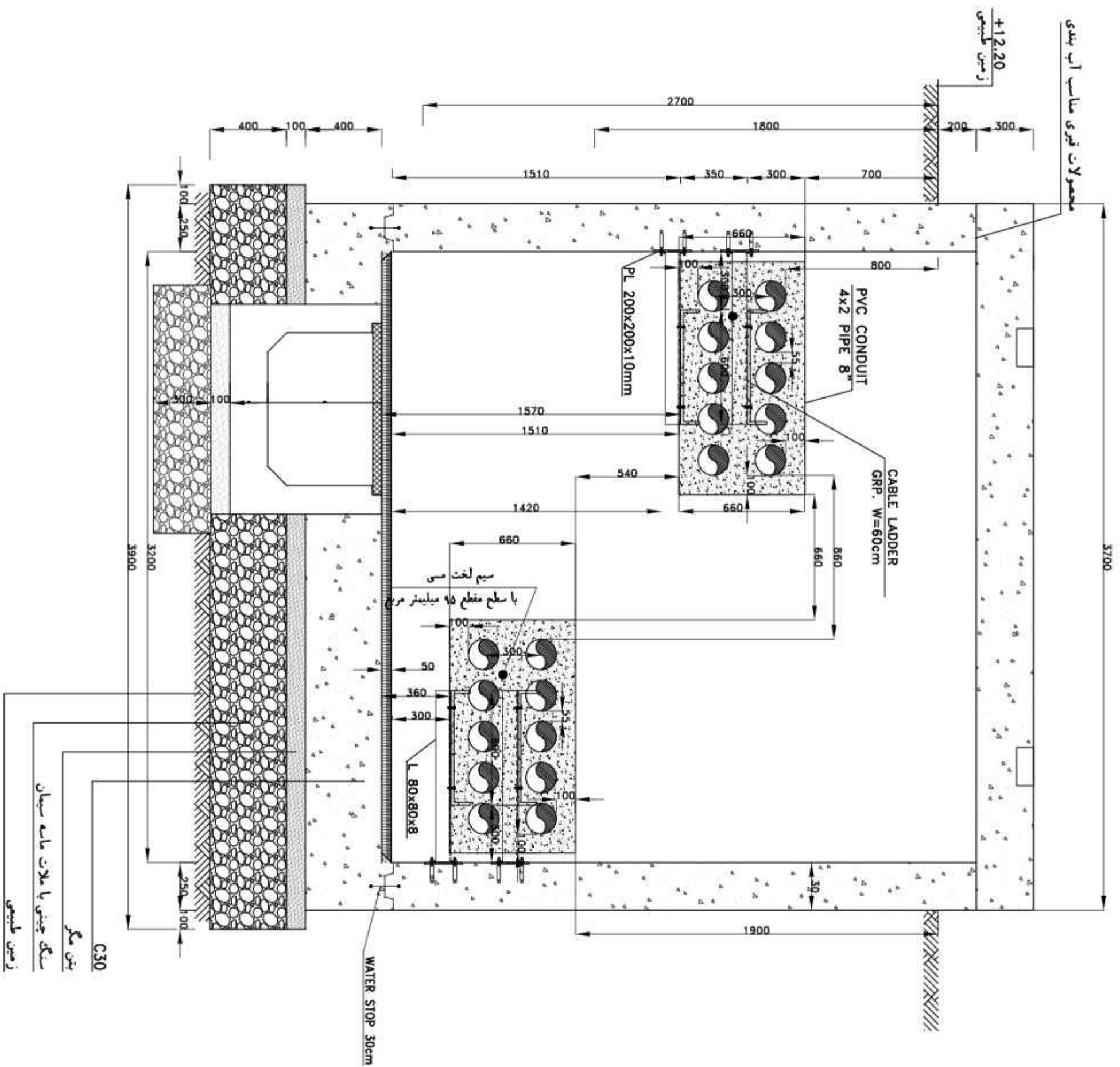
- تراز لوله های کاندویت ورودی و خروجی به منهول ها در نقشه های مربوط به هر منهول بصورت اختصاصی نشان داده شده است.

- محل و زاویه نصب سابلورت های نردبان های کابل مطابق با کد ارتفاعی لوله های کاندویت ورودی و خروجی به منهول ها که در پروفیل مسیر مشخص شده است اجرا می گردد.



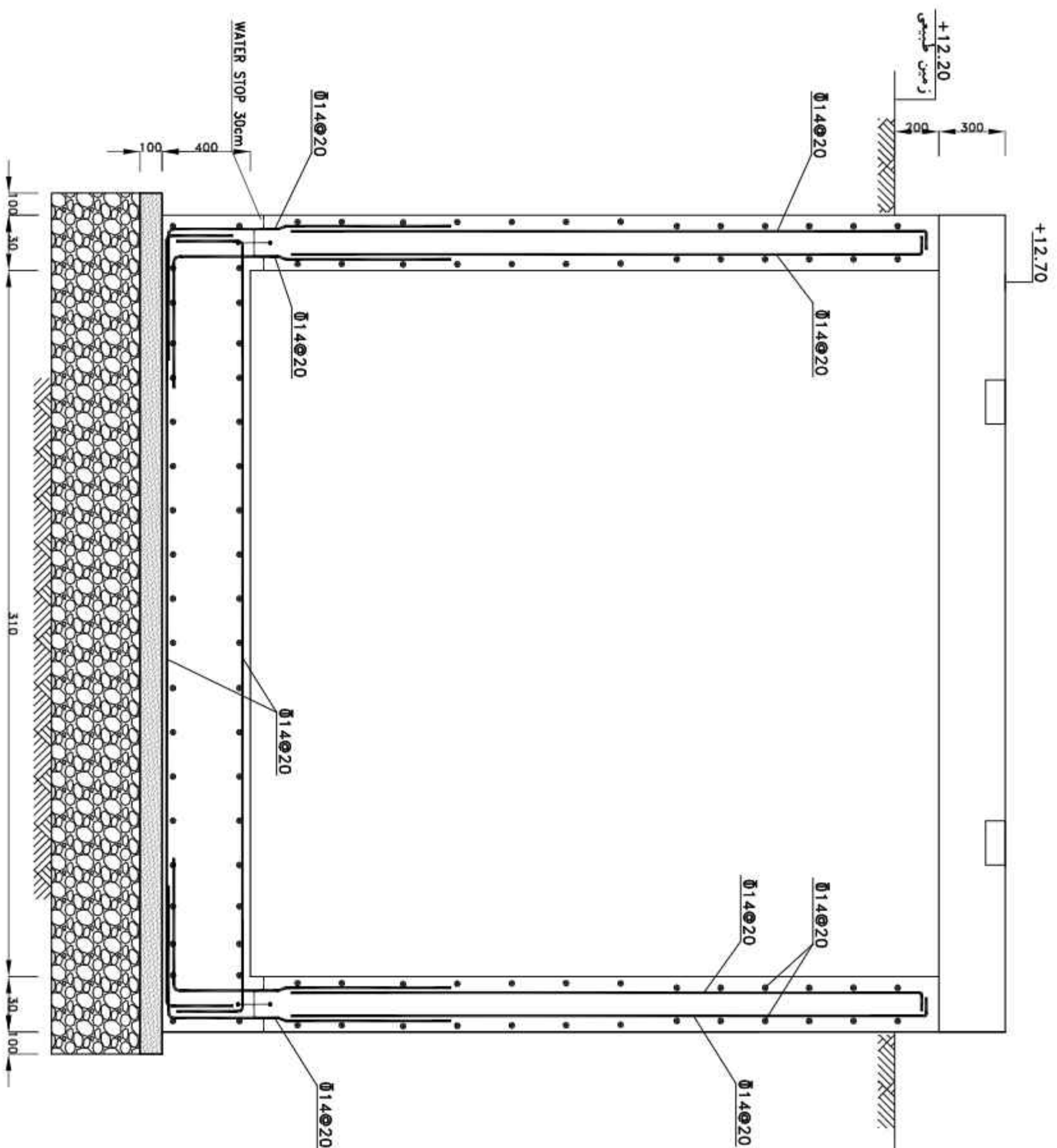
MANHOLE #2

SCALE 1:25



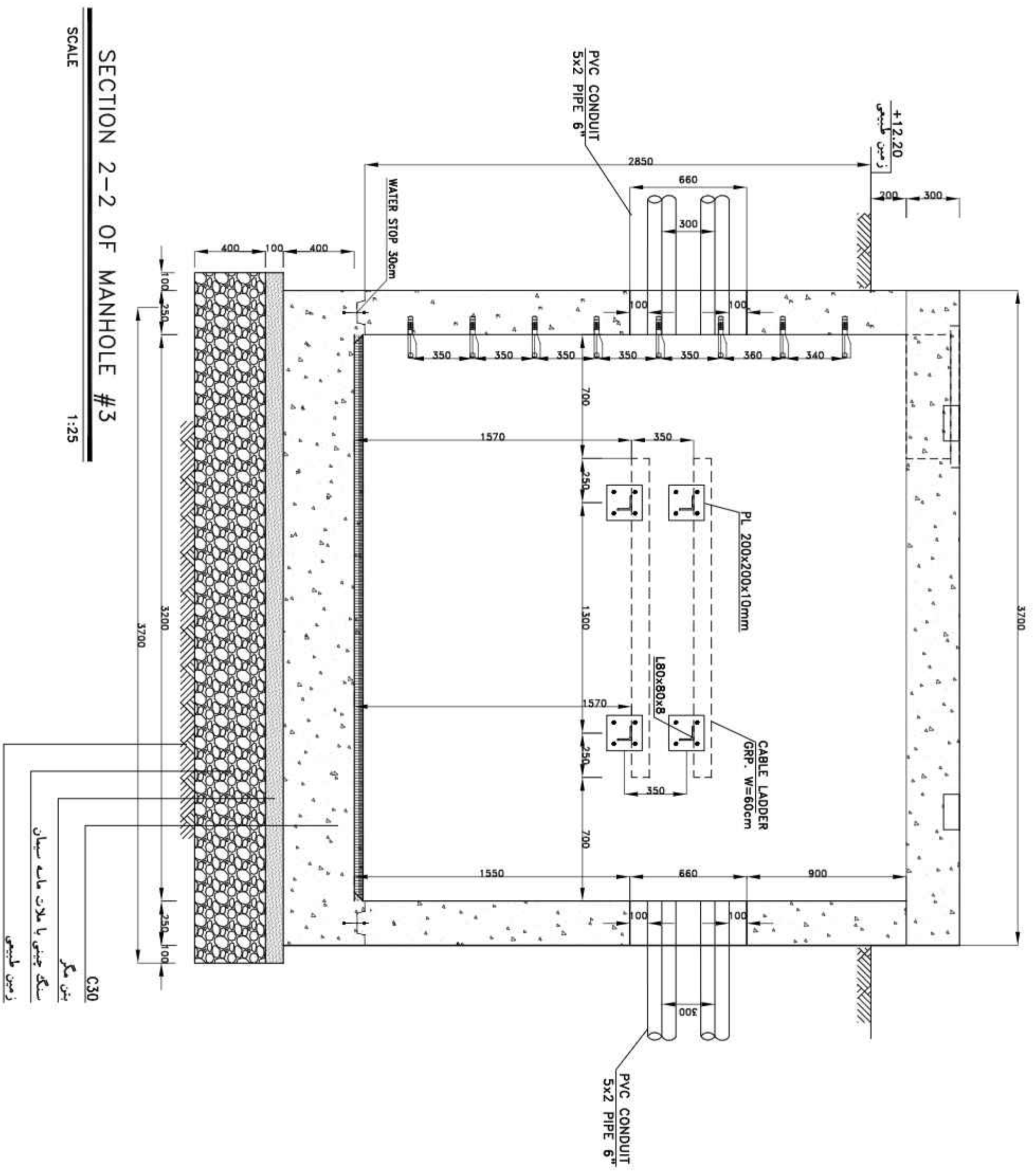
SECTION 1-1 OF MANHOLE #3

1:25



SECTION 2-2 OF MANHOLE (3)

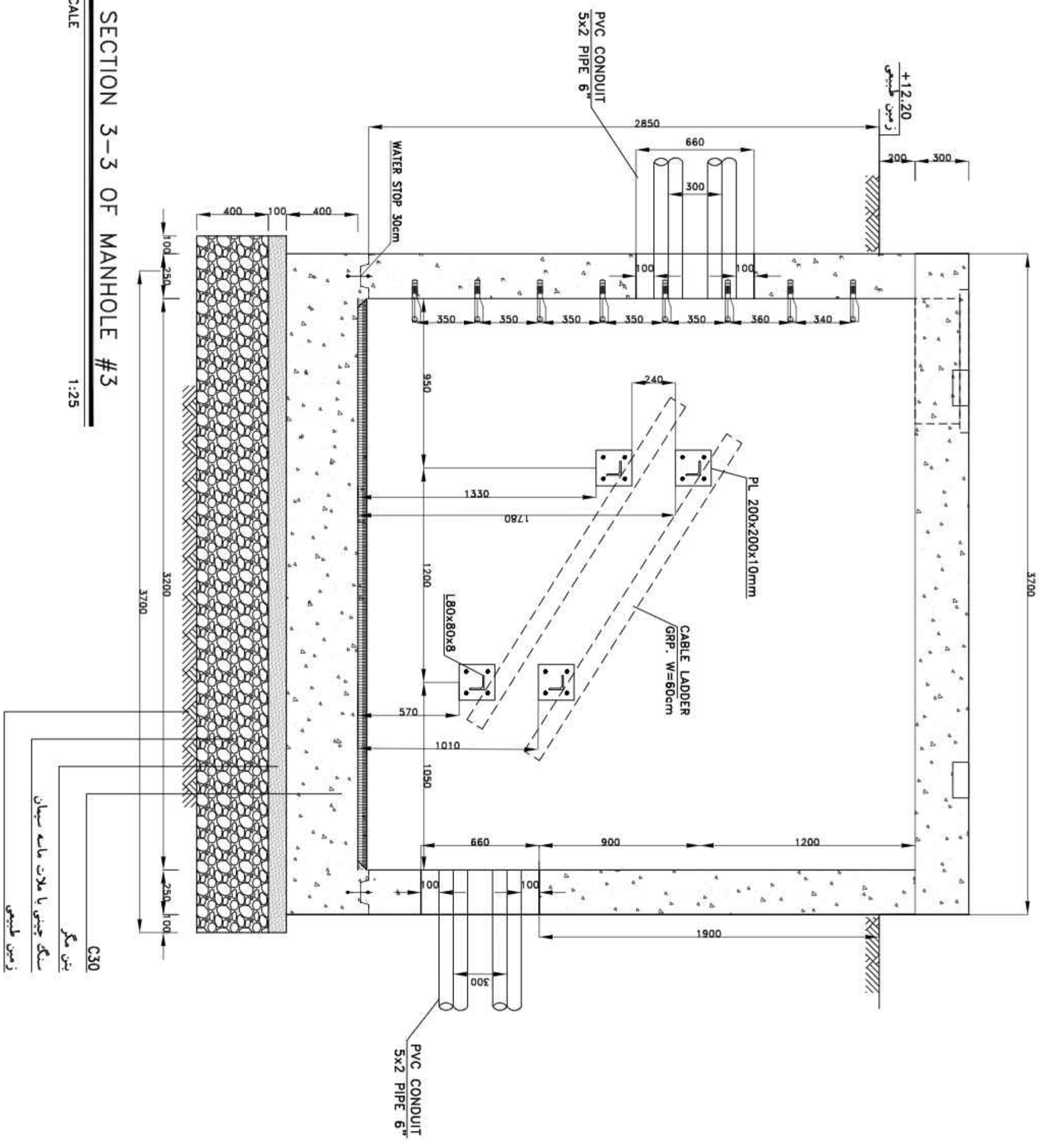
SCALE REINFORCEMENT 1:25



SECTION 2-2 OF MANHOLE #3

SCALE 1:25

بتن مگر
 سنگ چینی با ملات ماسه سیان
 زمین طبیعی
 C30



SECTION 3-3 OF MANHOLE #3

SCALE 1:25

بن مگر
سنگ چینی یا ملات ماسه سیمان
زمین طبیعی

+12.20
زمین طبیعی

1
ST-103
27/53

2
ST-103
28/53

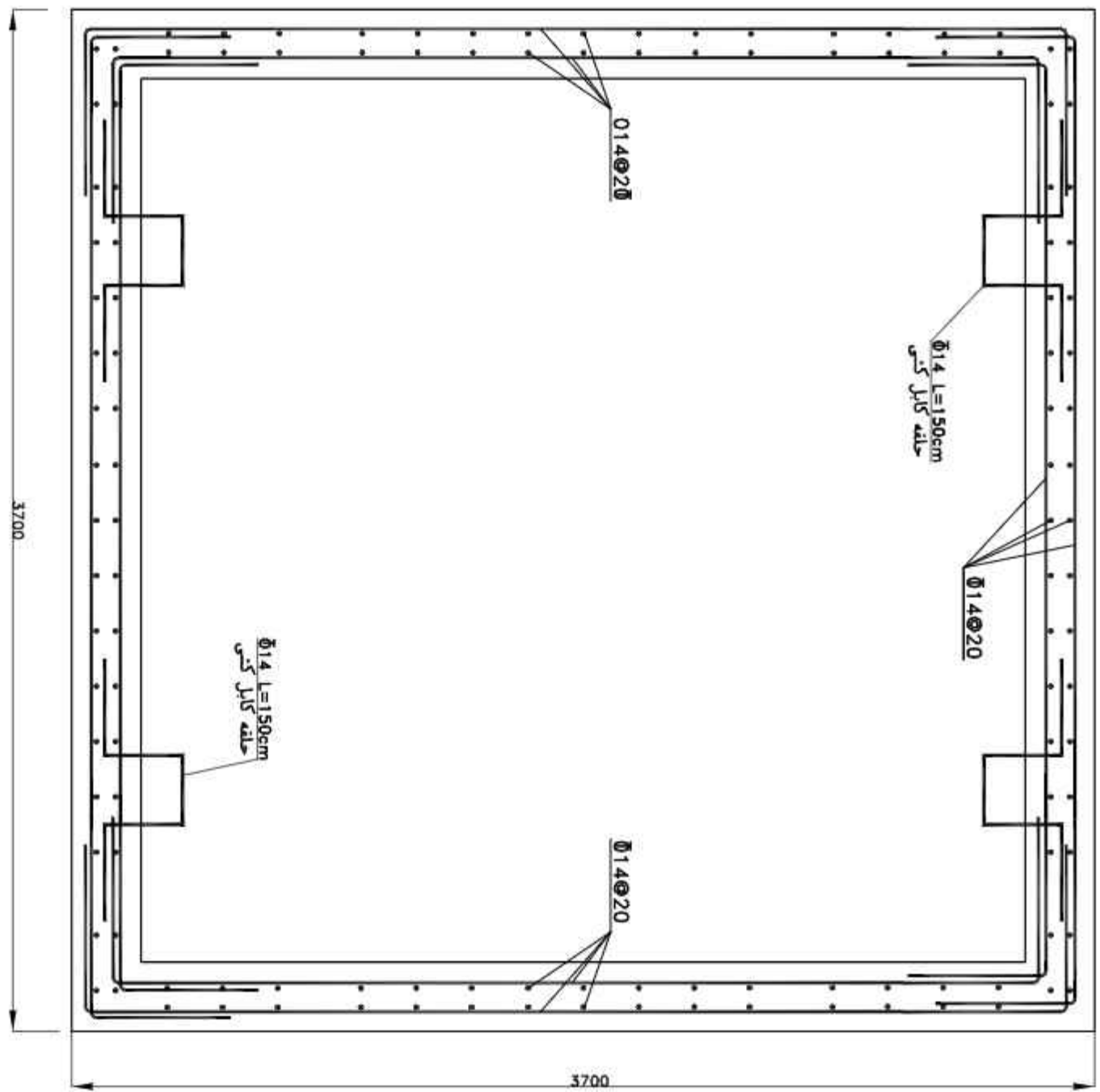
Ø14, L=150cm
حلقه کارل کبی

Ø14@20

Ø14@20

Ø14@20

Ø14, L=150cm
حلقه کارل کبی



1
ST-103
27/53

2
ST-103
28/53

REINFORCMENT MANHOLE (3)

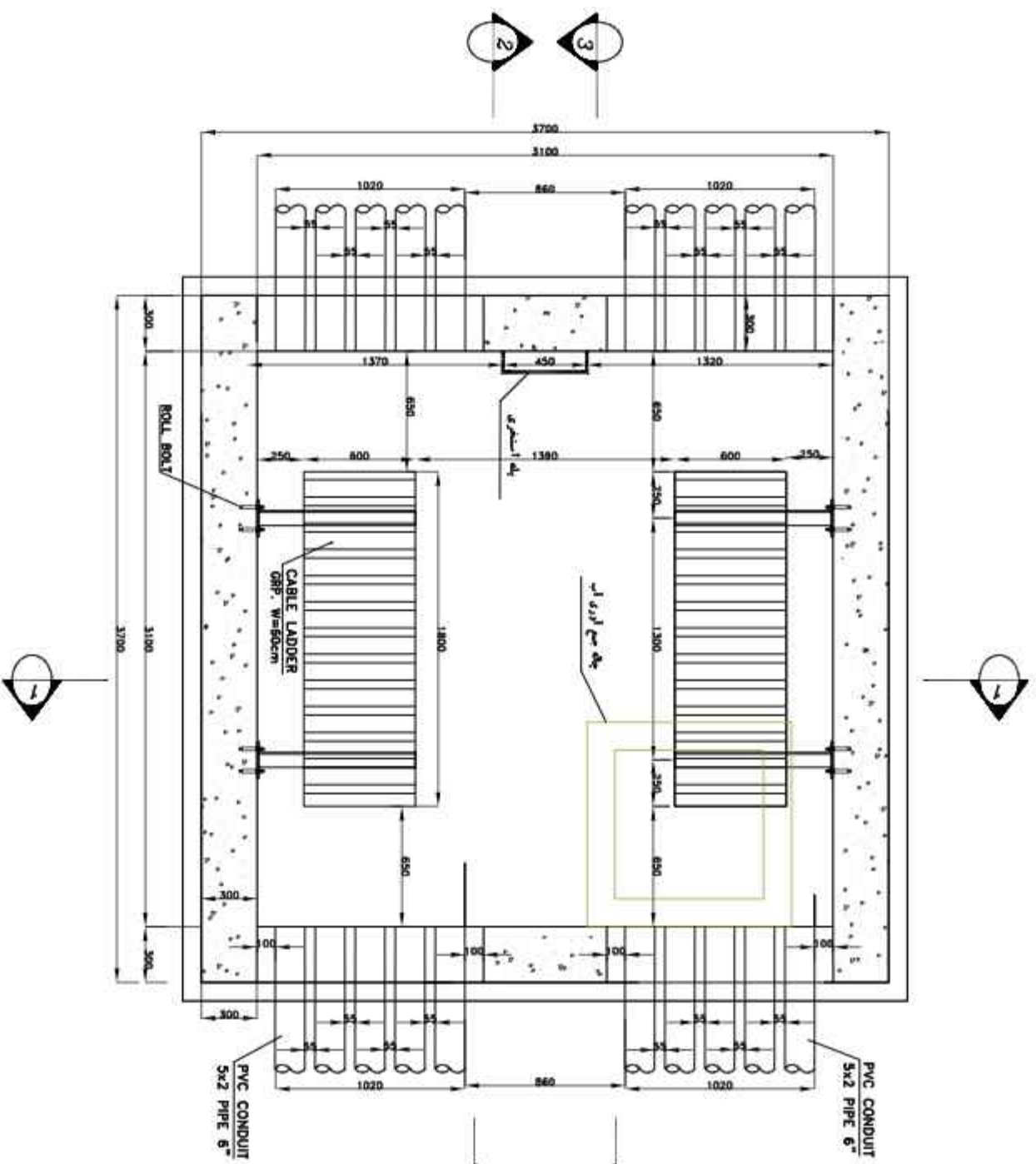
SCALE

1:25

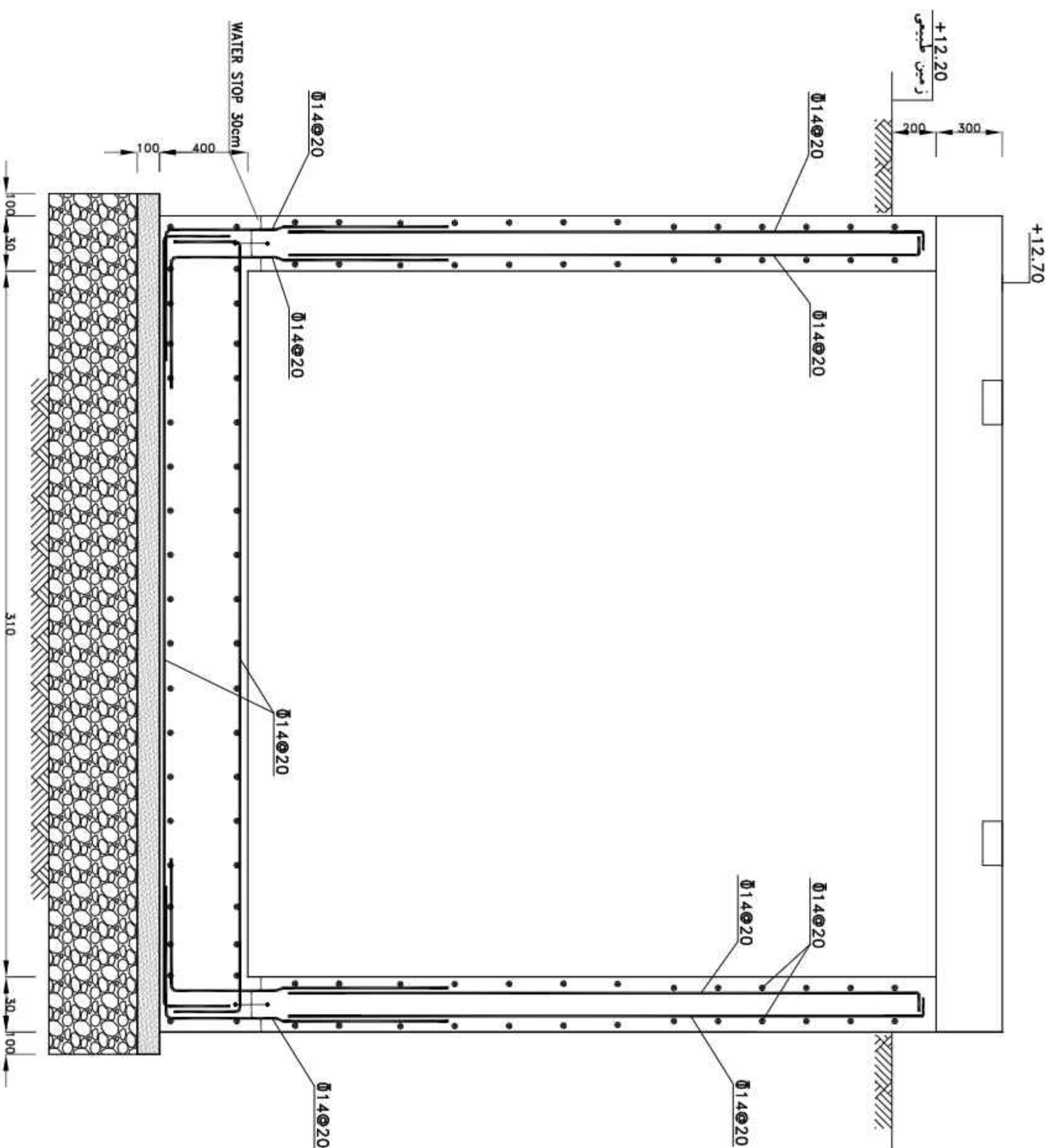
کلیه اندازه های ذکر شده در نقشه ها بر حسب میلی متر می باشند
 - تناسی برودفیل های استفاده شده جهت سلبورت تردیهای کابل بصورت فولاد با یونش گالوانیزه گرم به ضخامت حداقل ۸۰ میکرون طراح شده اند ولی بر اساس درخواست کارفرما لازم است با استعلام از شرکت های سازنده برودفیل های گالوانیزه ، اطمینان حاصل آنها با تولید دستگاه نظارت و کارفرما جایگزین گردد.

- تراز لوله های کاندویت ورودی و خروجی به منبول ها در نقشه های مربوط به هر منبول بصورت اختصاصی نشان داده شده است.

- محل و زاویه نصب سلبورت های بردان های کابل مطابق با کد ارتفاعی لوله های کاندویت ورودی و خروجی به منبول ها که در برودفیل مسیر مشخص شده است اجرا می گردد.



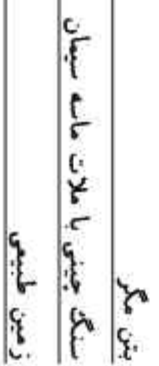
MANHOLE #3
 SCALE 1:25



SECTION 2-2 OF MANHOLE (3)

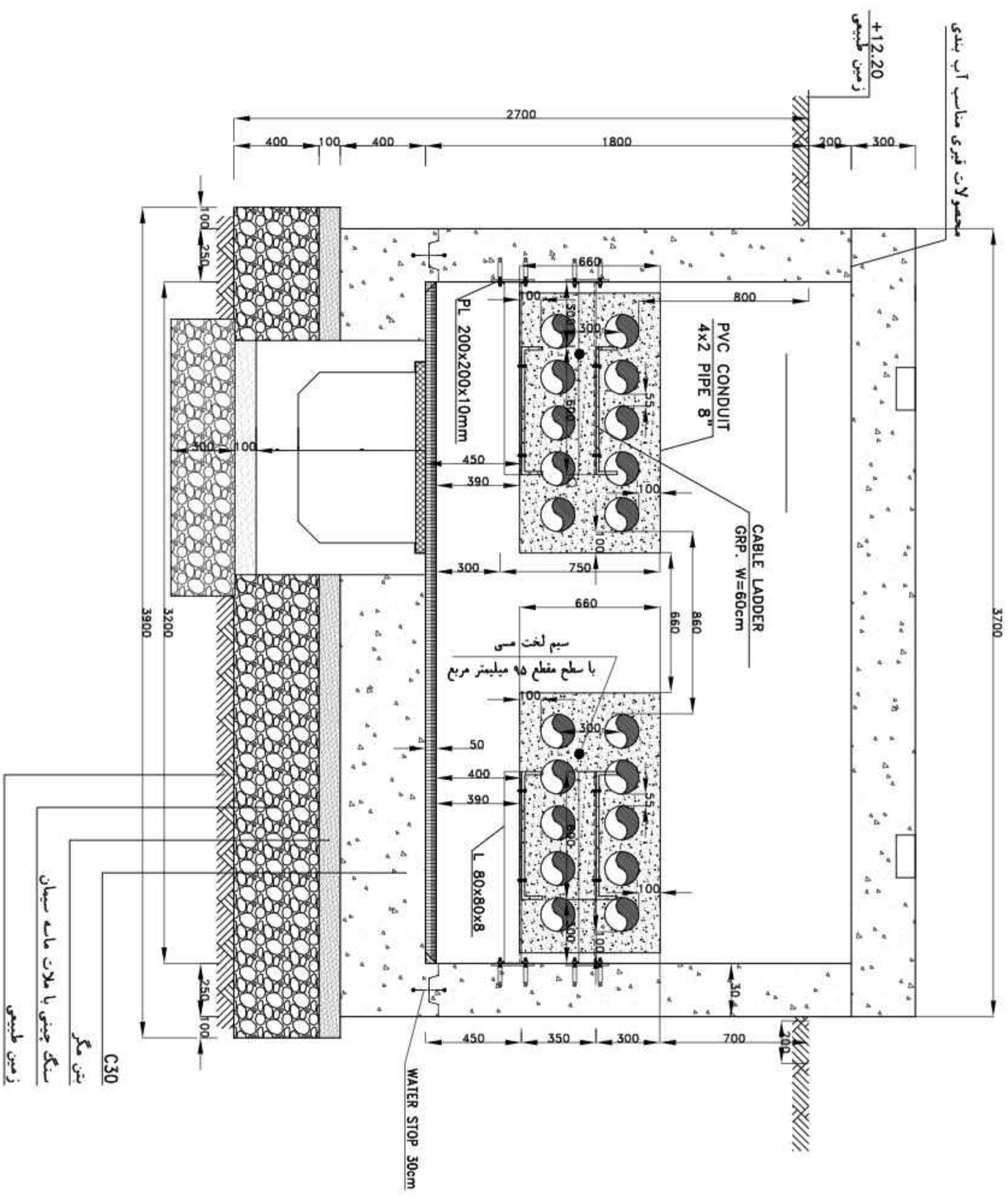
SCALE REINFORCEMENT

1:25



SCALE

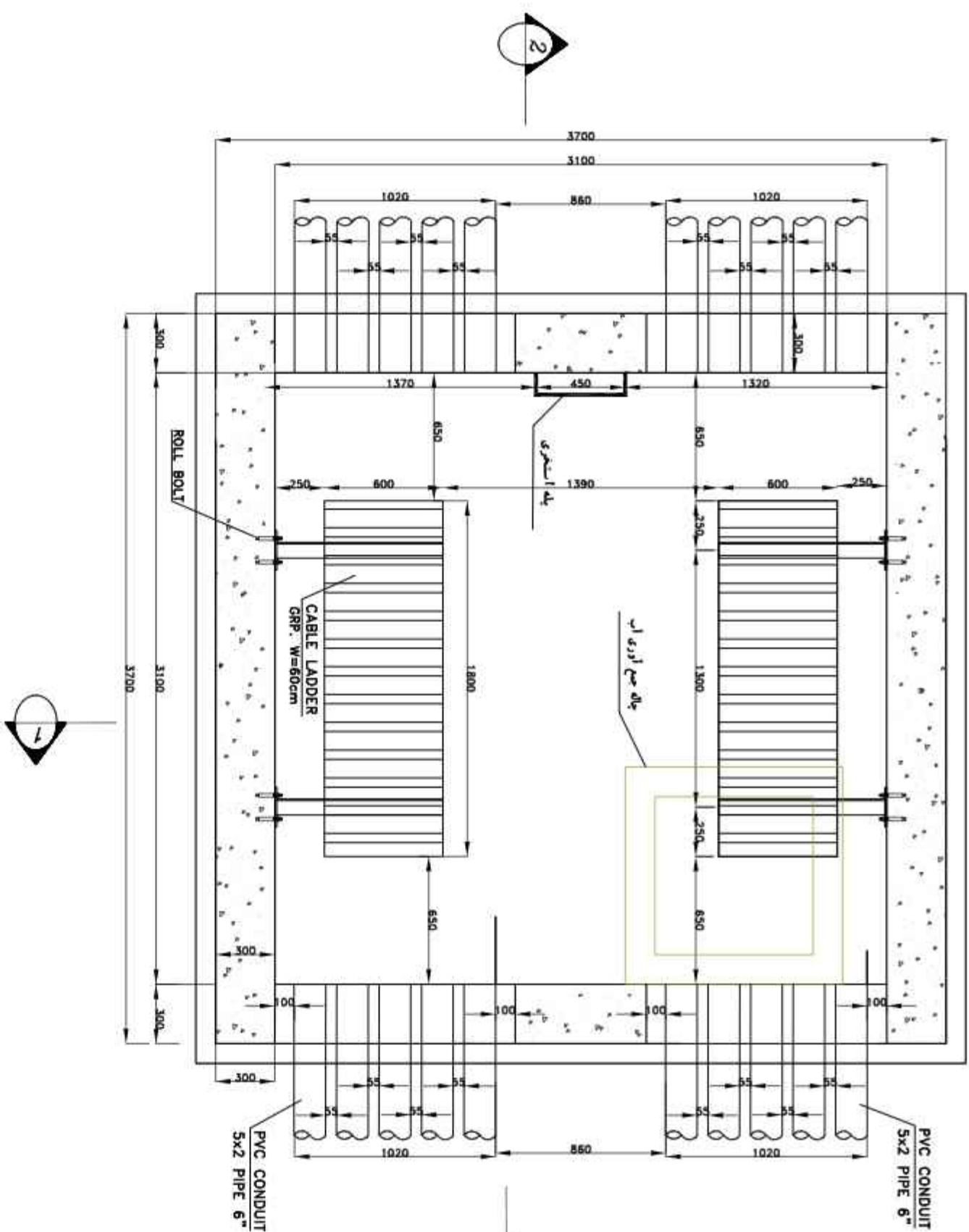
1:25



SECTION 1-1 OF MANHOLE #4

SCALE

1:25



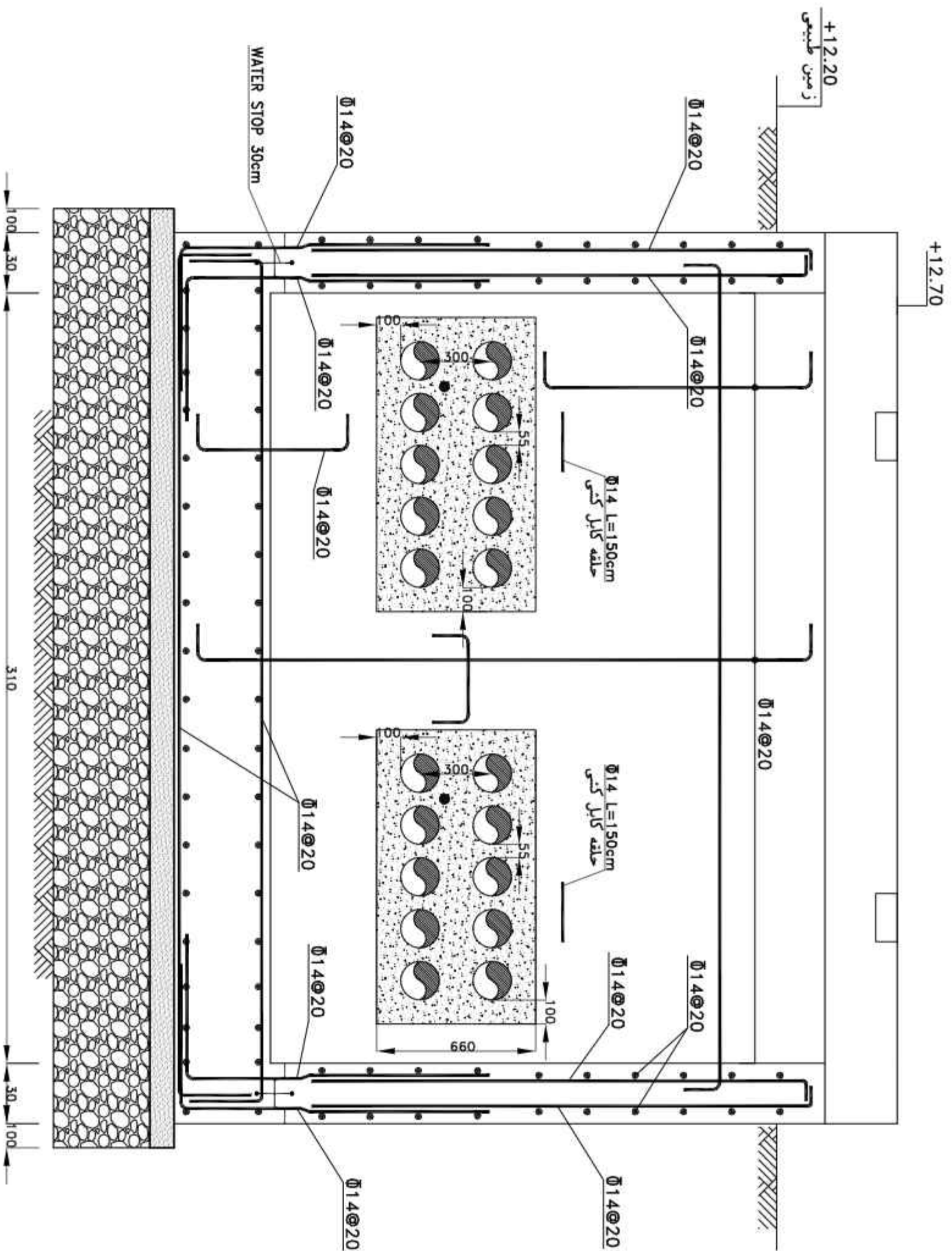
کلیه اندازه های ذکر شده در نقشه ها بر حسب میلی متر می باشند

تمامی پروفیل های استفاده شده جهت ساینورت نردبانهای کابل بصورت فولاد با پوشش گالوانیزه گرم به ضخامت حداقل ۸۰ میکرون طراحی شده اند ولی بر اساس درخواست کارفرما لازم است با استعلام از شرکت های سازنده پروفیل های کامپوزیتی ، المانهای معادل آنها با تایید دستگاه نظارت و کارفرما جایگزین گردد.

-تراز لوله های کاندویت ورودی و خروجی به منهول ها در نقشه های مربوط به هر منهول بصورت اختصاصی نشان داده شده است.

- محل و زاویه نصب ساینورت های نردبان های کابل مطابق با کد ارتفاعی لوله های کاندویت ورودی و خروجی به منهول ها که در پروفیل مسیر مشخص شده است اجرا می گردد.

MANHOLE #4
SCALE 1:25

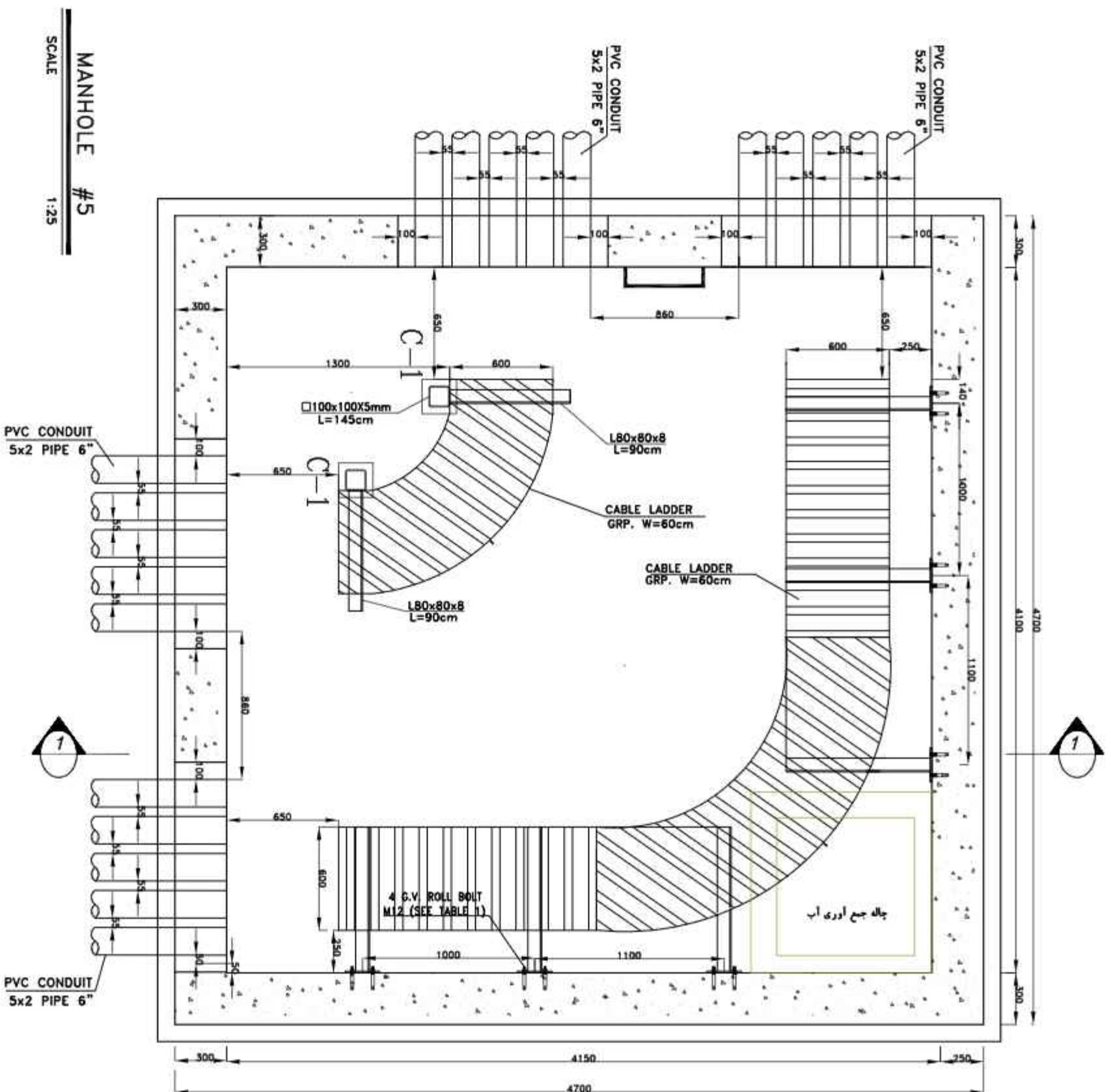


SECTION 1-1 OF MANHOLE (4)

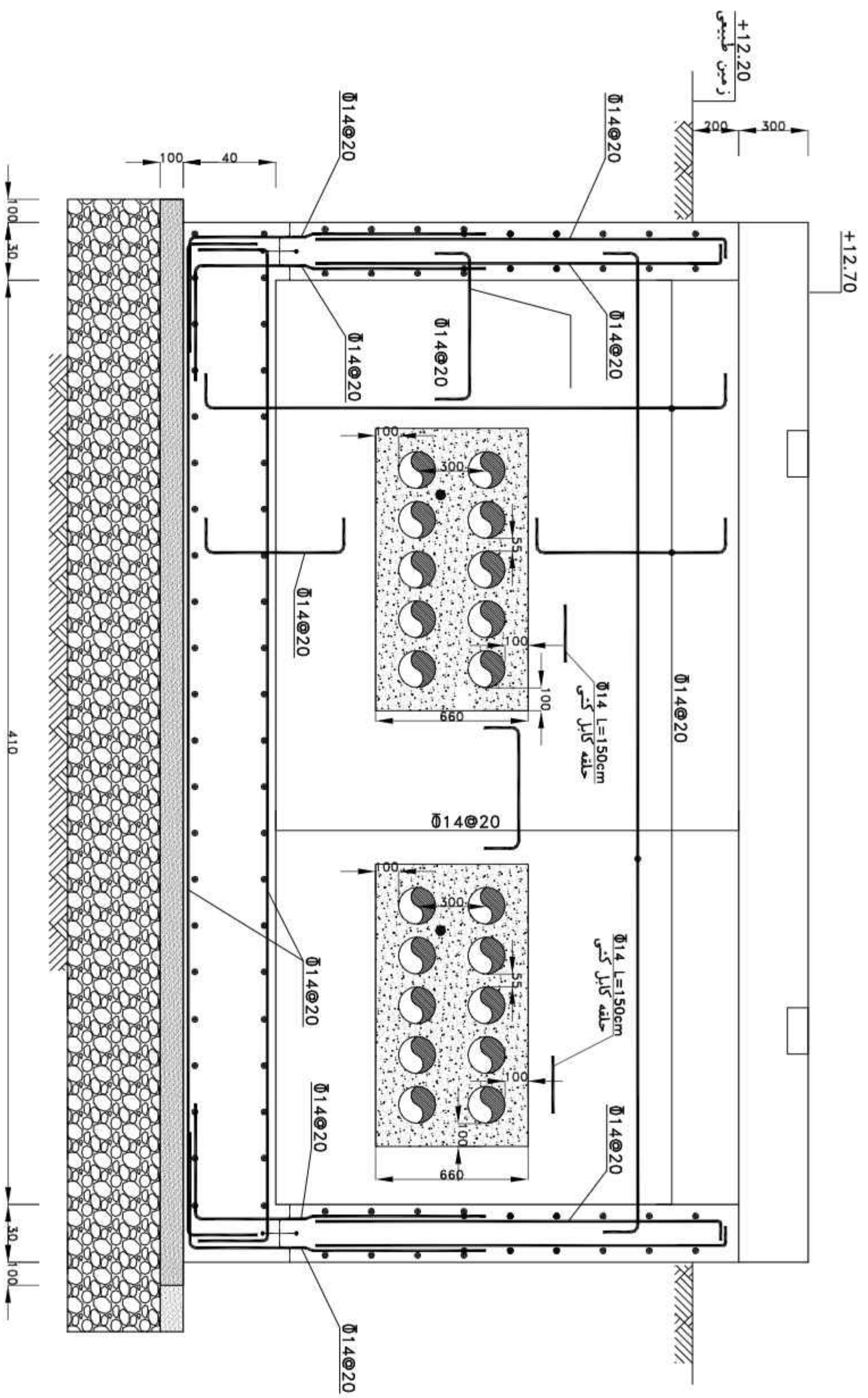
SCALE

REINFORCMENT

1:25



- کلیمه اندازه های ذکر شده در نقشه ها بر حسب میلی متری باشند
- تمامی پروفیل های استفاده شده جهت ساینورت های نردبانهای کابل بصورت فولاد با پوشش گالوانیزه گرم به ضخامت حداقل ۸۰ میکرون طراحی شده اند ولی بر اساس درخواست کارفرما لازم است با استعلام از شرکت های سازنده پروفیل های کامپوزیتی ، آلمانیهای معادل آنها با تایید دستگاه نظارت و کارفرما جایگزین گردد.
 - نراز لوله های کاندویت ورودی و خروجی به منهول ها در نقشه های مربوط به هر منهول بصورت اختصاصی نشان داده شده است.
 - محل و زاویه نصب ساینورت های نردبان های کابل مطابق با کد ارضایی لوله های کاندویت ورودی و خروجی به منهول ها که در پروفیل مسیر مشخص شده است اجرا می گردد.



SECTION 1-1 OF MANHOLE (TYPE 5)

SCALE

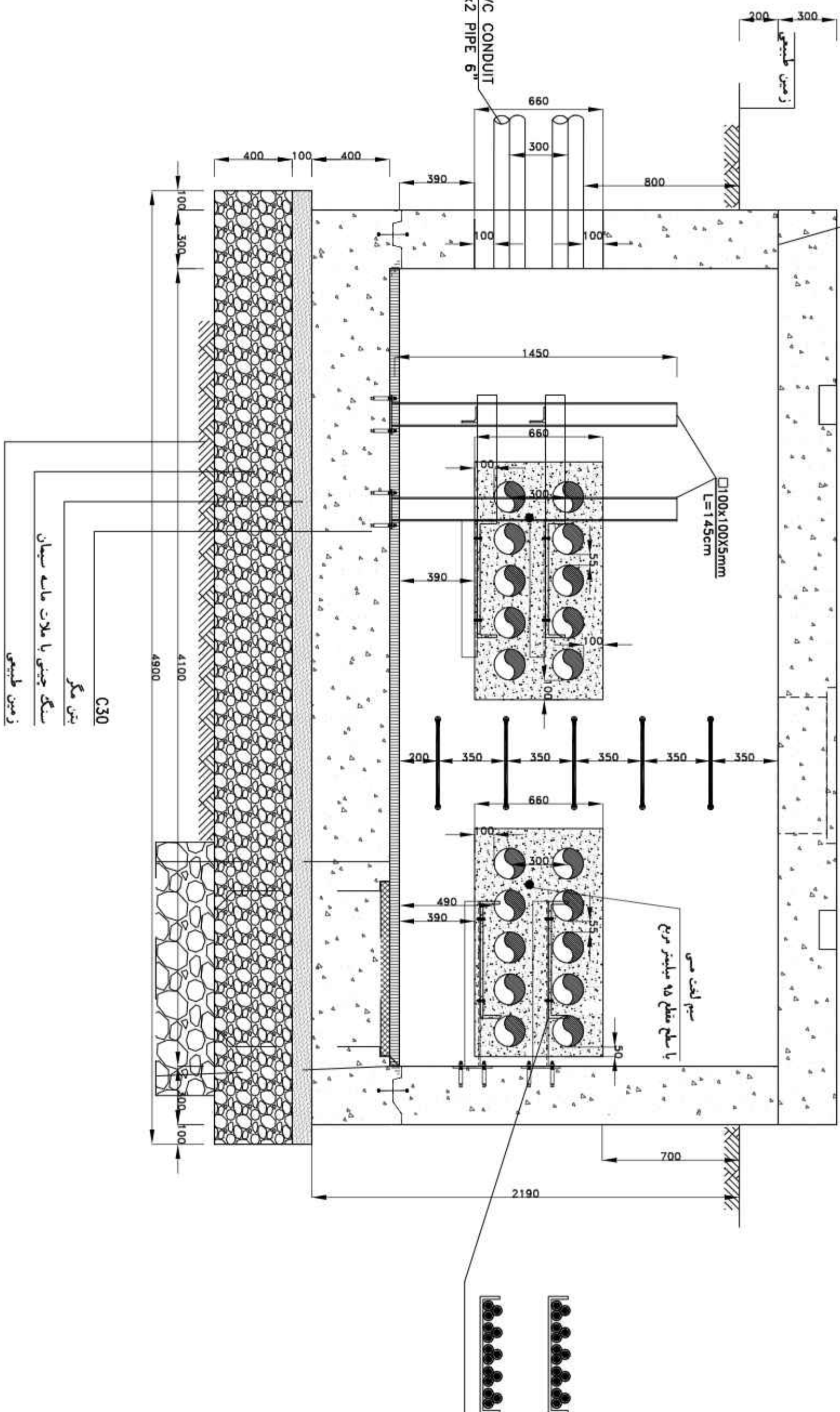
REINFORCEMENT

1:25

محصولات فوری مناسب آب بندی

زمین طبیعی

PVC CONDUIT
5x2 PIPE 6"



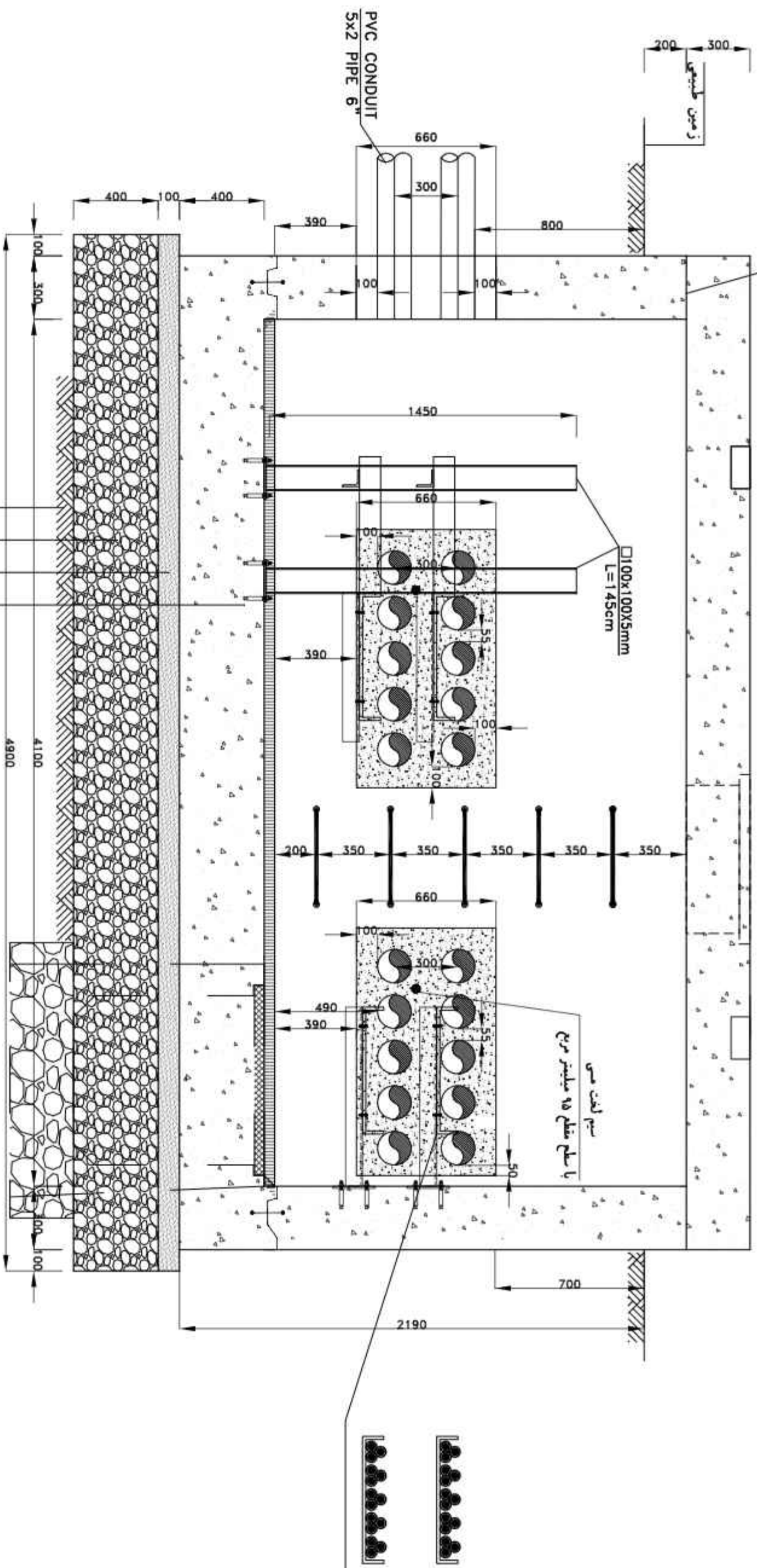
SECTION 1-1 OF MANHOLE #5

SCALE

1:25

محمولات قبری مناسب آب بندی

زمین طبیعی



پن مگر

سنگ چینی با ملات ماسه سیان

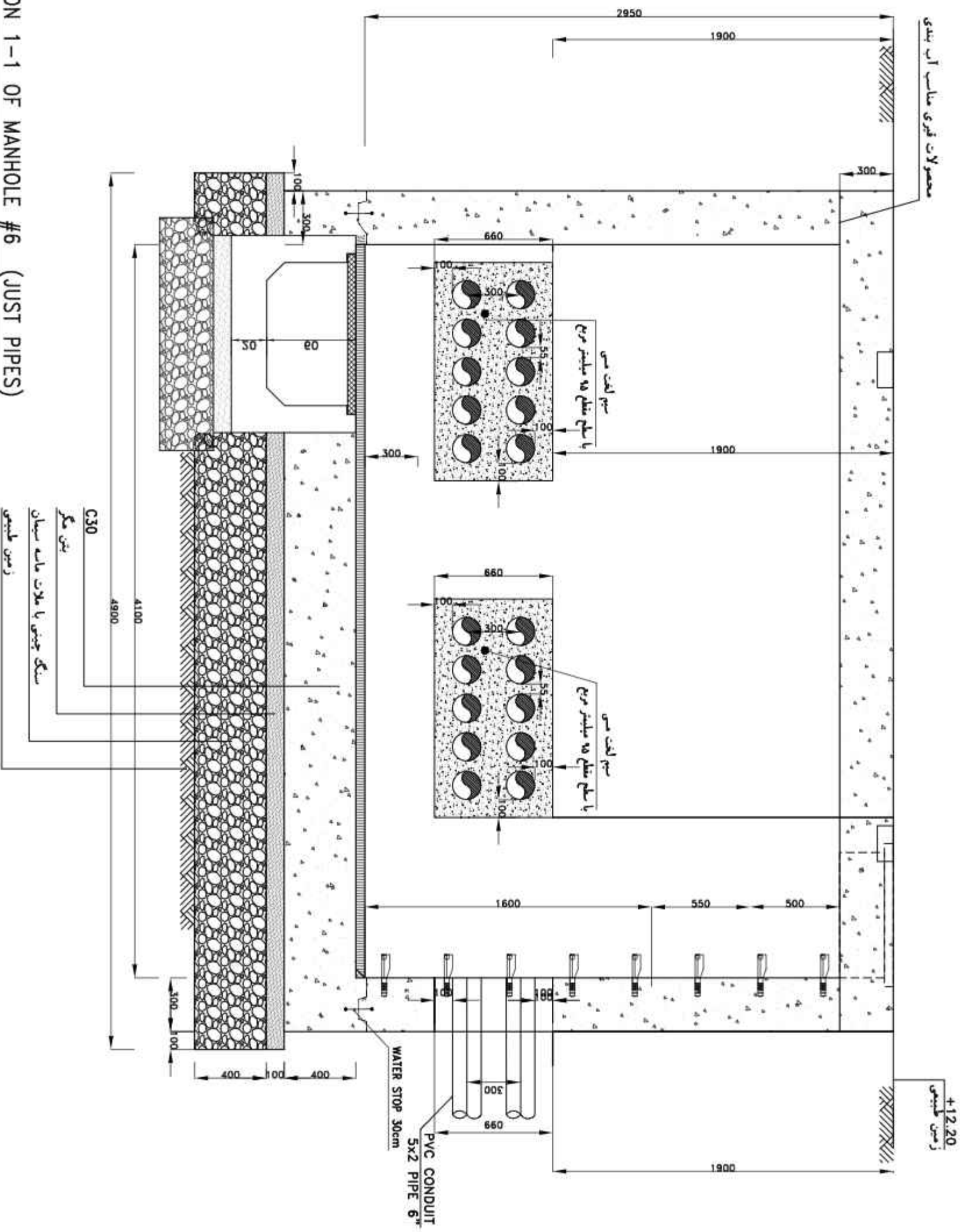
زمین طبیعی

SECTION 1-1 OF MANHOLE #5

SCALE

1:25

*بدلیل قرارگیری این منهول در مسیر جاده، این منهول میبایست در تراز ارتفاعی یکسان با جاده احداث گردد.



SECTION 1-1 OF MANHOLE #6 (JUST PIPES)

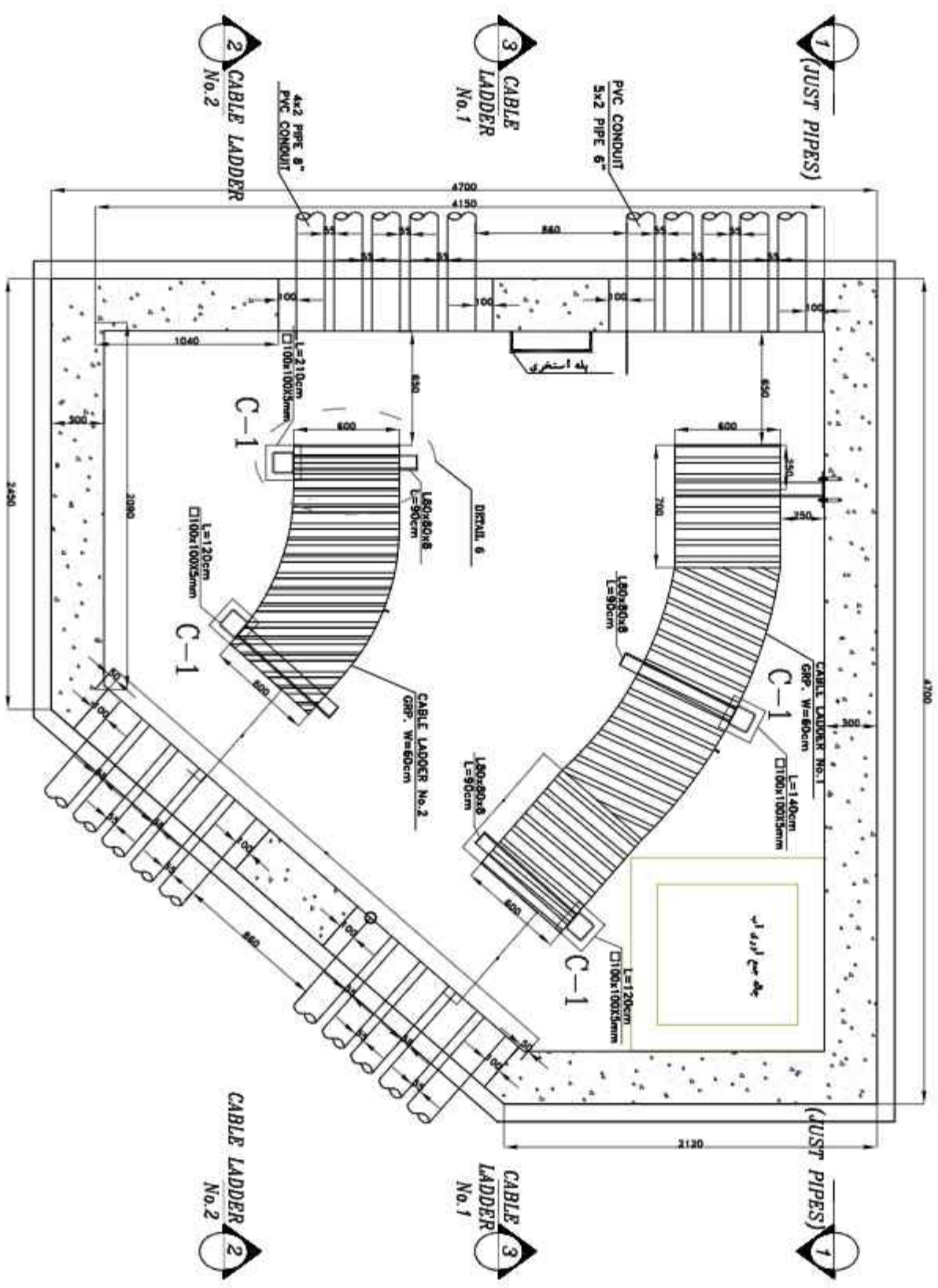
SCALE

1:25

کلیه اندازه های ذکر شده در نقشه ها بر حسب میلی متر می باشند
 - تمامی پروتیل های استفاده شده جهت سلبورت نردبانهای کابل بصورت فولاد با پوشش گالوانیزه گرم به ضخامت حداقل ۸۰ میکرون طراحی شده اند ولی بر اساس درخواست کارفرما لازم است با استعلام از شرکت های سازنده پروتیل های گالوانیزه ، اطمینان حاصل آنها با تولید دستگاه نظارت و کارفرما جایگزین گردد.

- تراز لوله های کاندویت ورودی و خروجی به منبول ها در نقشه های مربوط به هر منبول بصورت اختصاصی نشان داده شده است.

- محل و زاویه نصب سلبورت های نردبان های کابل مطابق با کد ارضانی لوله های کاندویت ورودی و خروجی به منبول ها که در پروتیل سیر مشخص شده است اجرا می گردد.

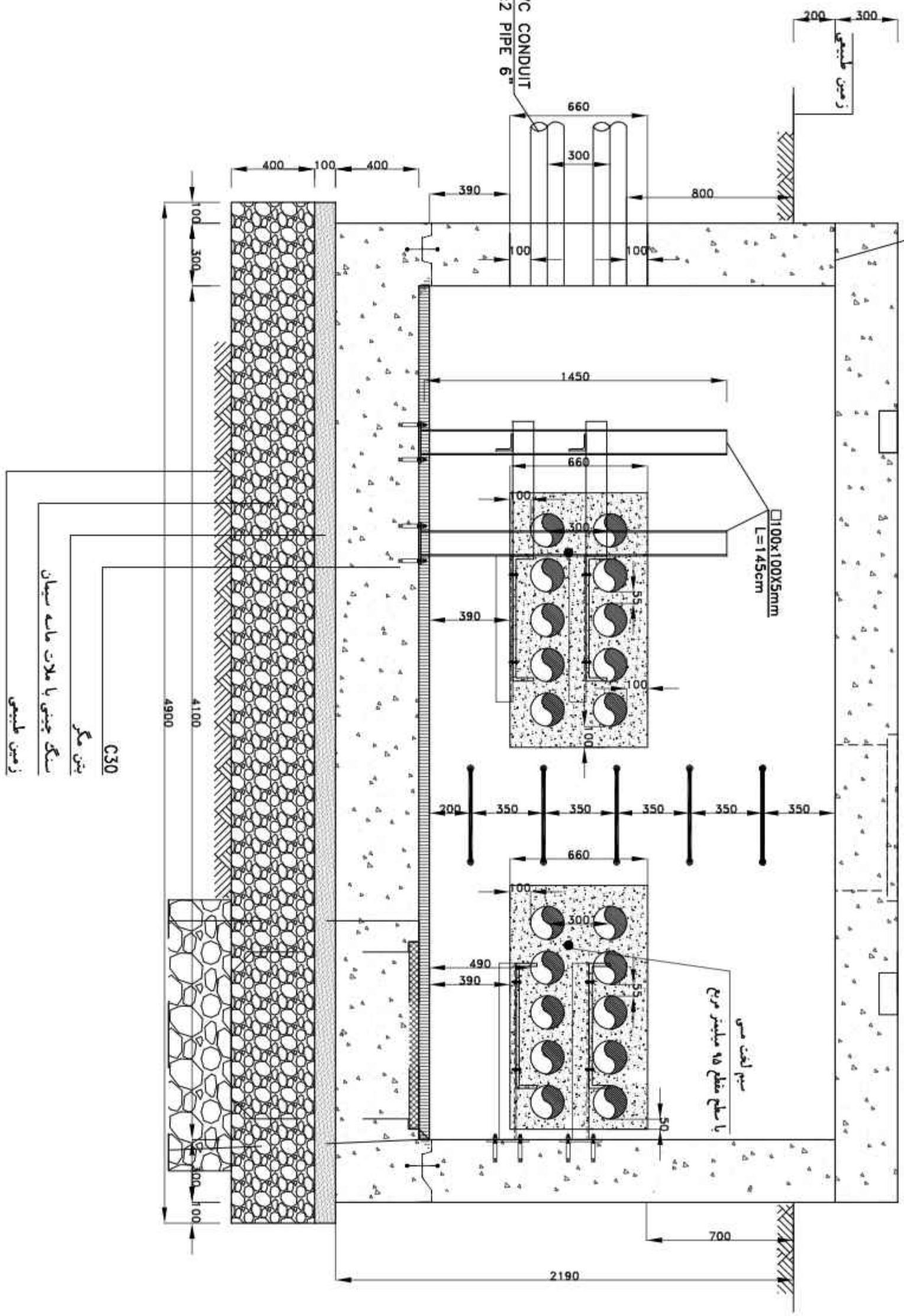


MANHOLE #6
 SCALE 1:25

محصولات قوری مناسب آب بندی

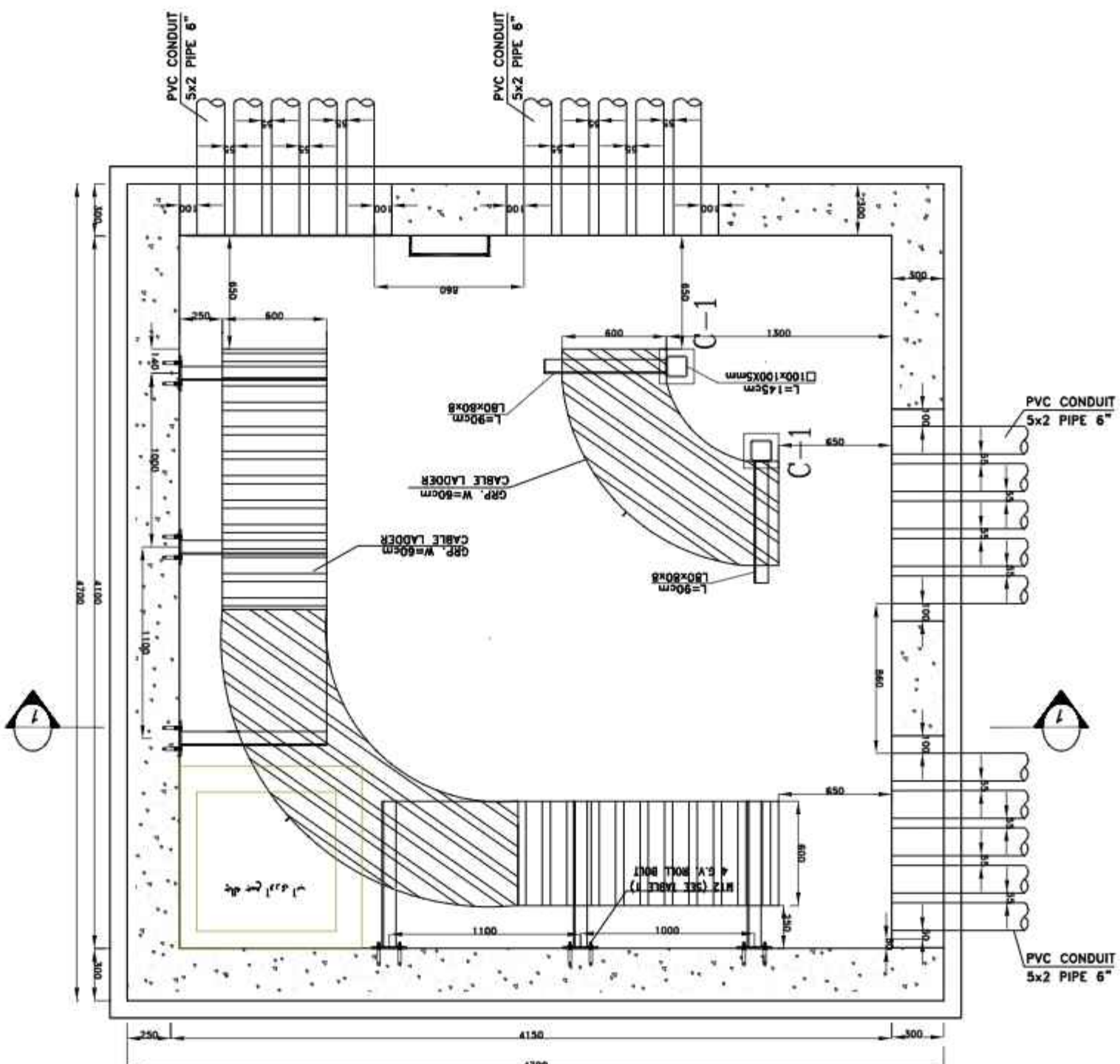
200 300
زمین طبیعی

PVC CONDUIT
5x2 PIPE 6"



SECTION 1-1 OF MANHOLE #7

SCALE 1:25



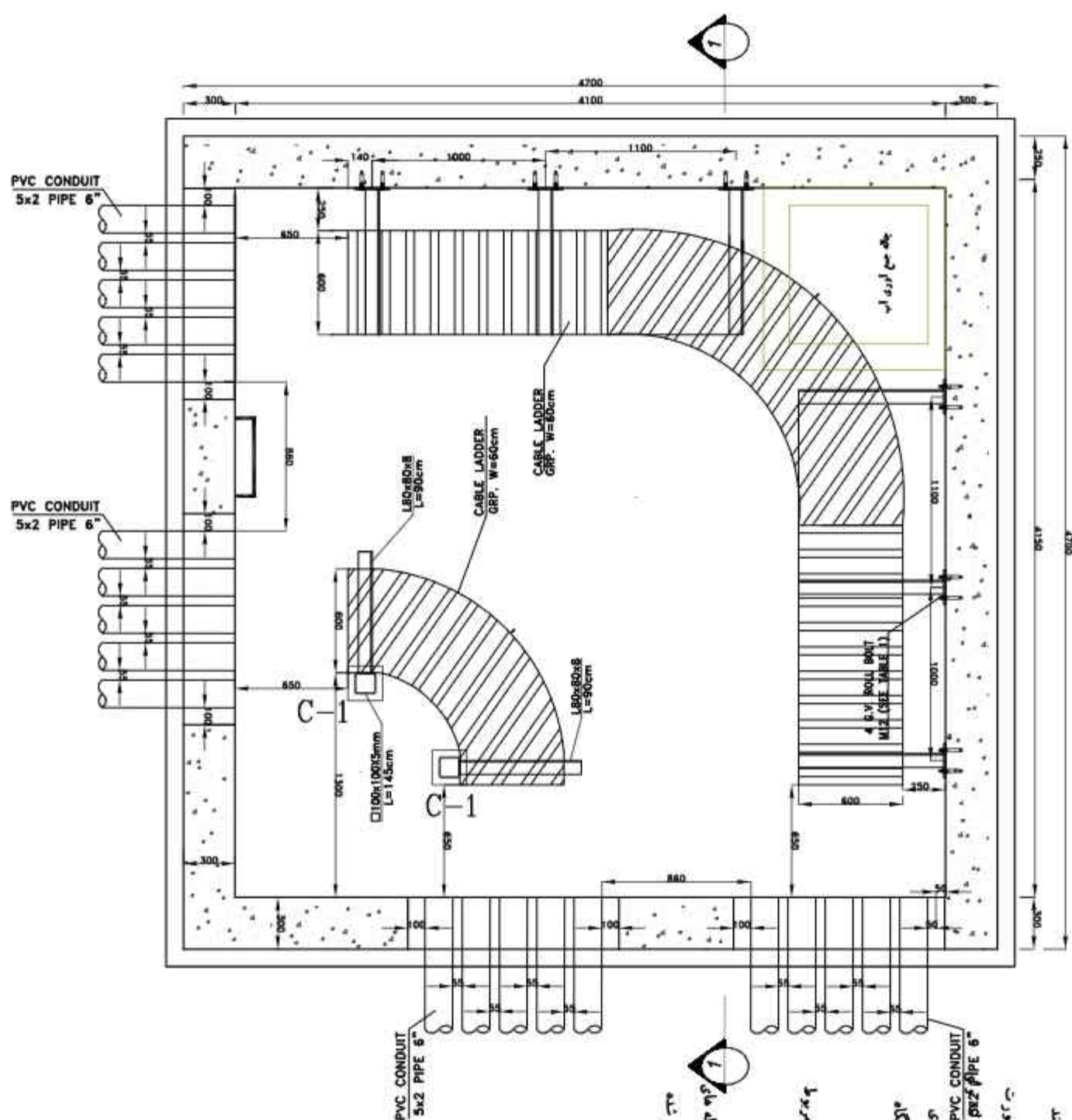
کلیه اندازه های ذکر شده در نقشه ها بر حسب میلی متر می باشند

- تمامی ورودی های استفاده شده جهت سابلورت نردیهای کابل بصورت فولاد با پوشش گالوانیزه گرم به ضخامت حداقل ۸۰ میکرون طراحی شده اند ولی بر اساس درخواست کارفرما لازم است با استعلام از شرکت های سازنده ورودی های کامپوزیتی ، المانهای معادل آنها با تایید دستگاه نظارت و کارفرما جایگزین گردد.

- نر از لوله های کاندویت ورودی و خروجی به منبوهل ها در نقشه های مربوط به هر منبوهل بصورت اختصاصی نشان داده شده است.

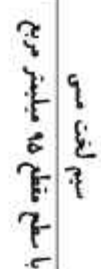
- محل و زاویه نصب سابلورت های نردی های کابل مطابق با کد ارفیاهی لوله های کاندویت ورودی و خروجی به منبوهل ها که در جدول مسیر مشخص شده است اجرا می گردد.

MANHOLE #8
SCALE 1:25



- کلید اندازه های ذکر شده در نقشه ها بر حسب میلی متر می باشند
- تناسی برودیل های استفاده شده جهت سابلورت برداشتهای کامل بصورت فولاد یا پوشش گالوانیزه گرم به ضخامت حداقل ۸۰ میکرون طراحی شده جهت نفوذ هوا بر اساس درخواست کارفرما لازم است با استعلام از شرکت های سازنده برودیل های کامپوزیتی ، آلیاژی معادل آنها یا تایید دستگاه نظارت و کارفرما جایگزین گردد.
- نزار لوله های کانولت ورودی و خروجی به منبول ها در فته های مربوط به هر منبول بصورت اختصاصی نشان داده شده است.
- محل و زاویه نصب سابلورت های برداشتهای کامل مطابق با کد آیینیهای لوله های کانولت ورودی و خروجی به منبول ها که در برودیل سیر مشخص شده است اجرا می گردد.

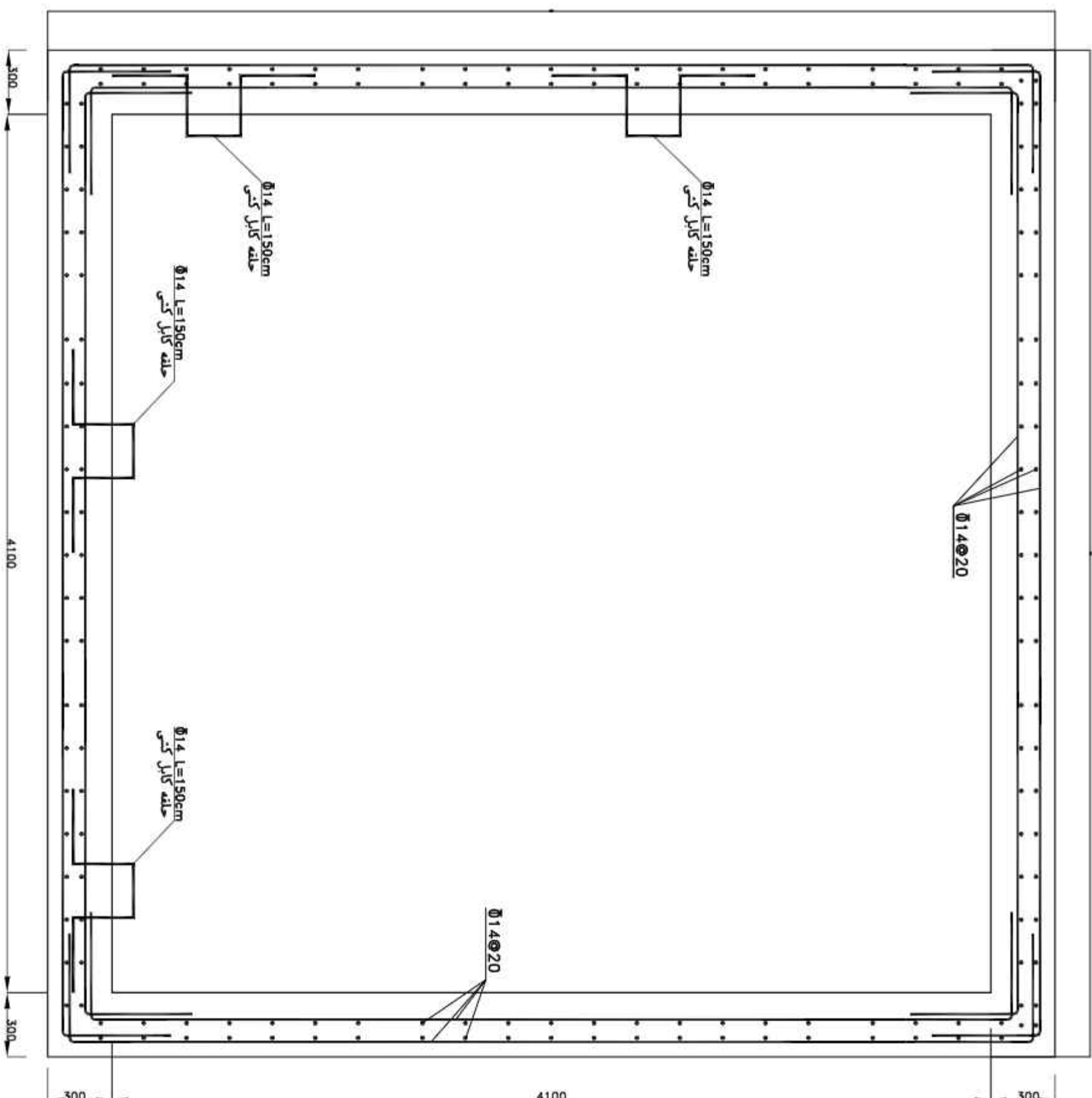
A schematic diagram of a T-junction. The inlet pipe on the left has a diameter of 200 mm. The outlet pipe on the right has a diameter of 300 mm. The junction is labeled with '200' and '300' at the top, indicating the diameters of the respective pipes.



SCALE

1:25

+12.20
زمین طبیعی



REINFORCEMENT MANHOLE (TYPE 5)

SCALE

1:25