

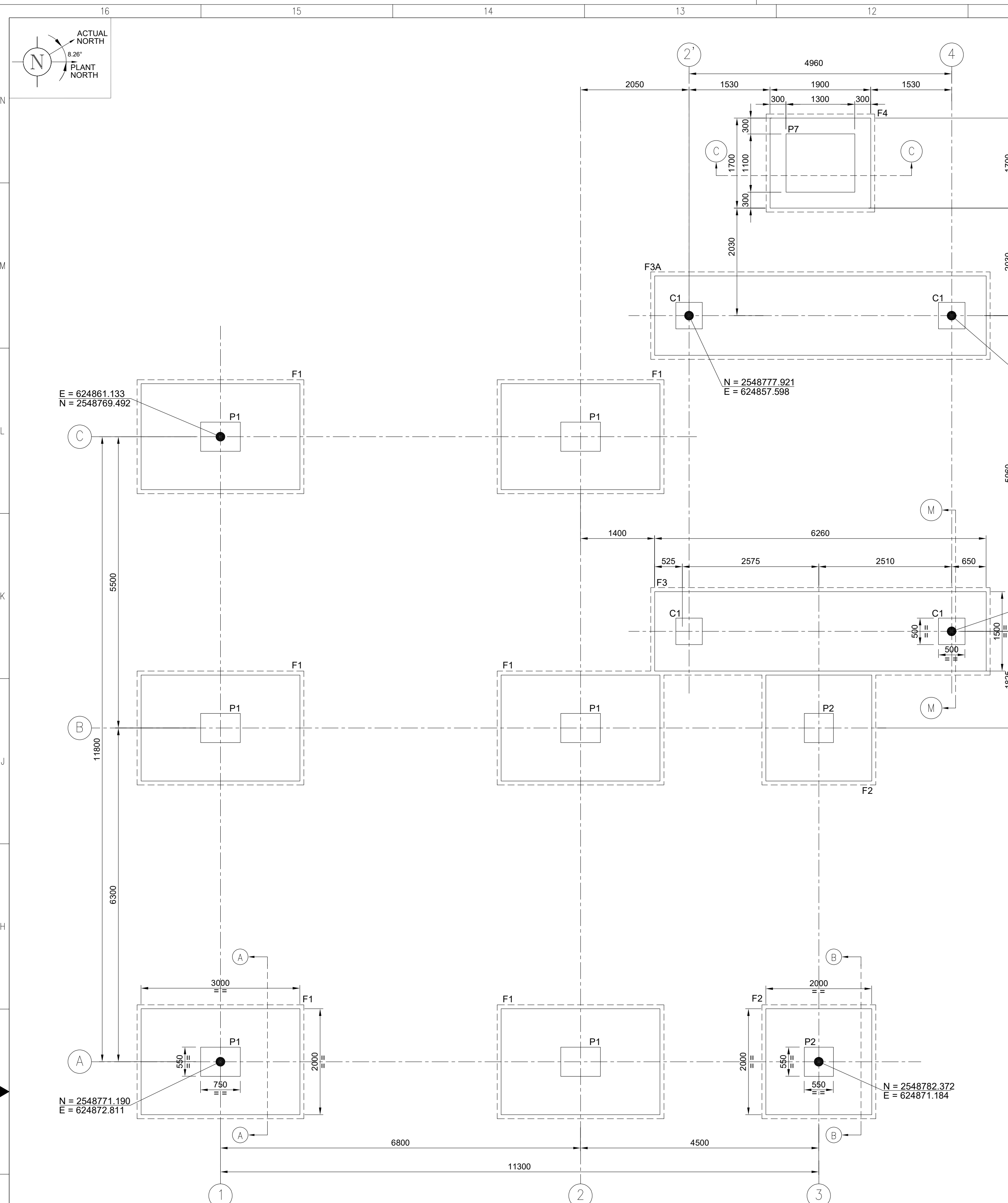


KEY PLAN		
COMPOUND WALL CORDINATE		
SR.NO.	EASTING	NORTHING
CP1	624897.011	2548701.692
CP2	624854.061	2548695.740
CP3	624831.757	2548849.213
CP6	624785.625	2548869.494
CP7	624790.221	2548908.489
CP8	624846.597	2548924.406

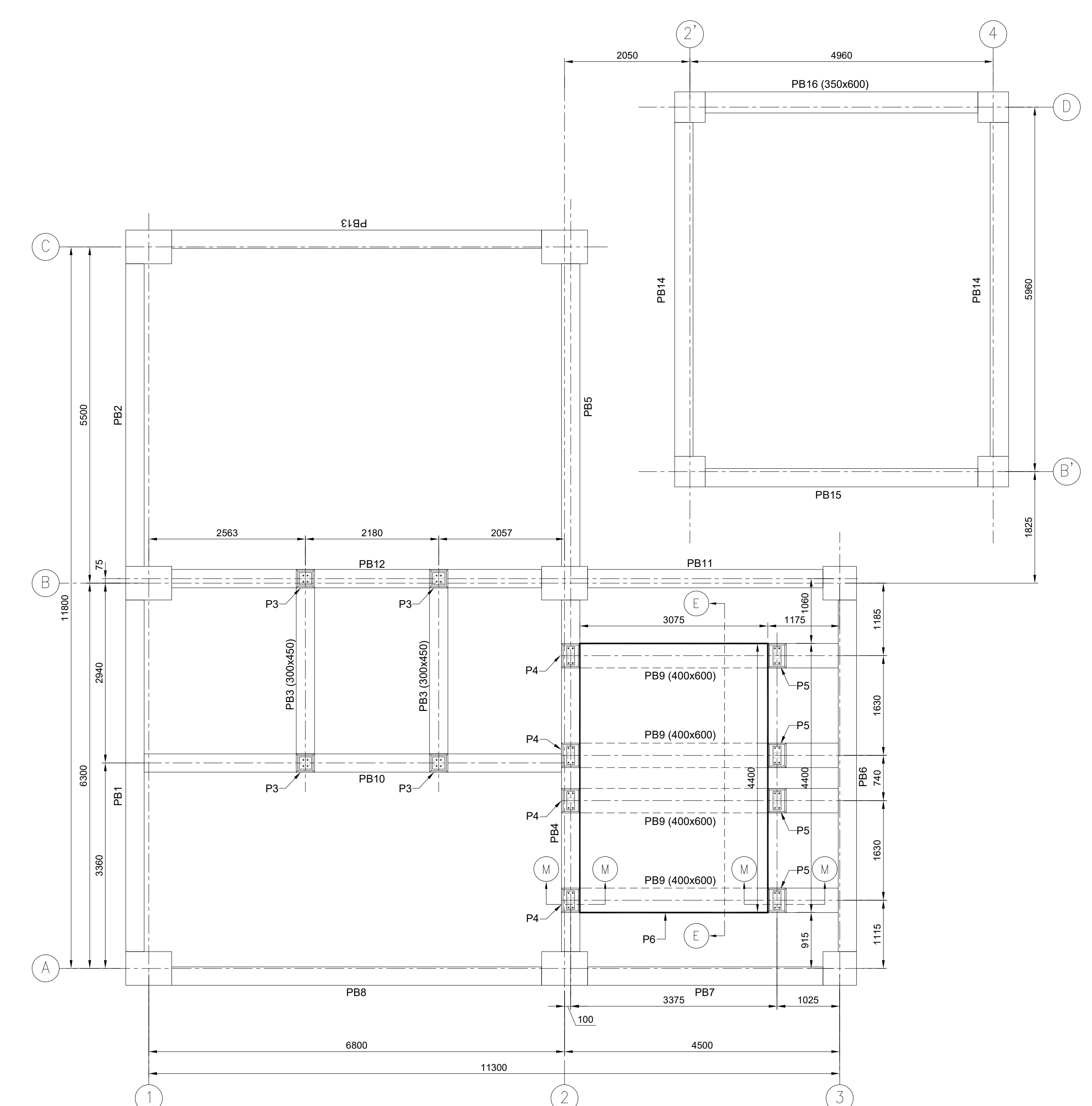
NOTES:

1. ALL DIMENSIONS ARE IN MM.
2. THE DIMENSION OF ALL PACKAGES & BUILDINGS ARE VENDOR INPUT AND SUBJECT TO CHANGE BASED ON FINAL VENDOR DATA.
3. THE WIDTH OF VEHICLE MOVEMENT PATH CONSIDERED AS 3.750 MTR.
4. THE TOP OF PAVEMENT SHALL BE AT CHART DATUM +8.0M AS PER INSTRUCTIONS FROM DPA.
5. EFFLUENT FROM THE PLANT WILL BE TERMINATED AT ONE POINT (TIE-IN-BAY) BATTERY LIMIT.
6. ELECTRICAL POWER SHALL BE SUPPLIED AT 11 KV AND 415V AT GREEN HYDROGEN PLANT BATTERY LIMIT BY DPA.
7. FIRE WATER WILL PROVIDED AT GREEN HYDROGEN PLANT BATTERY LIMIT BY DPA.
8. ACCESS TO THE SITE SHALL BE PROVIDED BY DPA.
9. DELETED.
10. 11KV ICOG PANEL SHALL BE IN DPA EXISTING SWITCHGEAR ROOM.

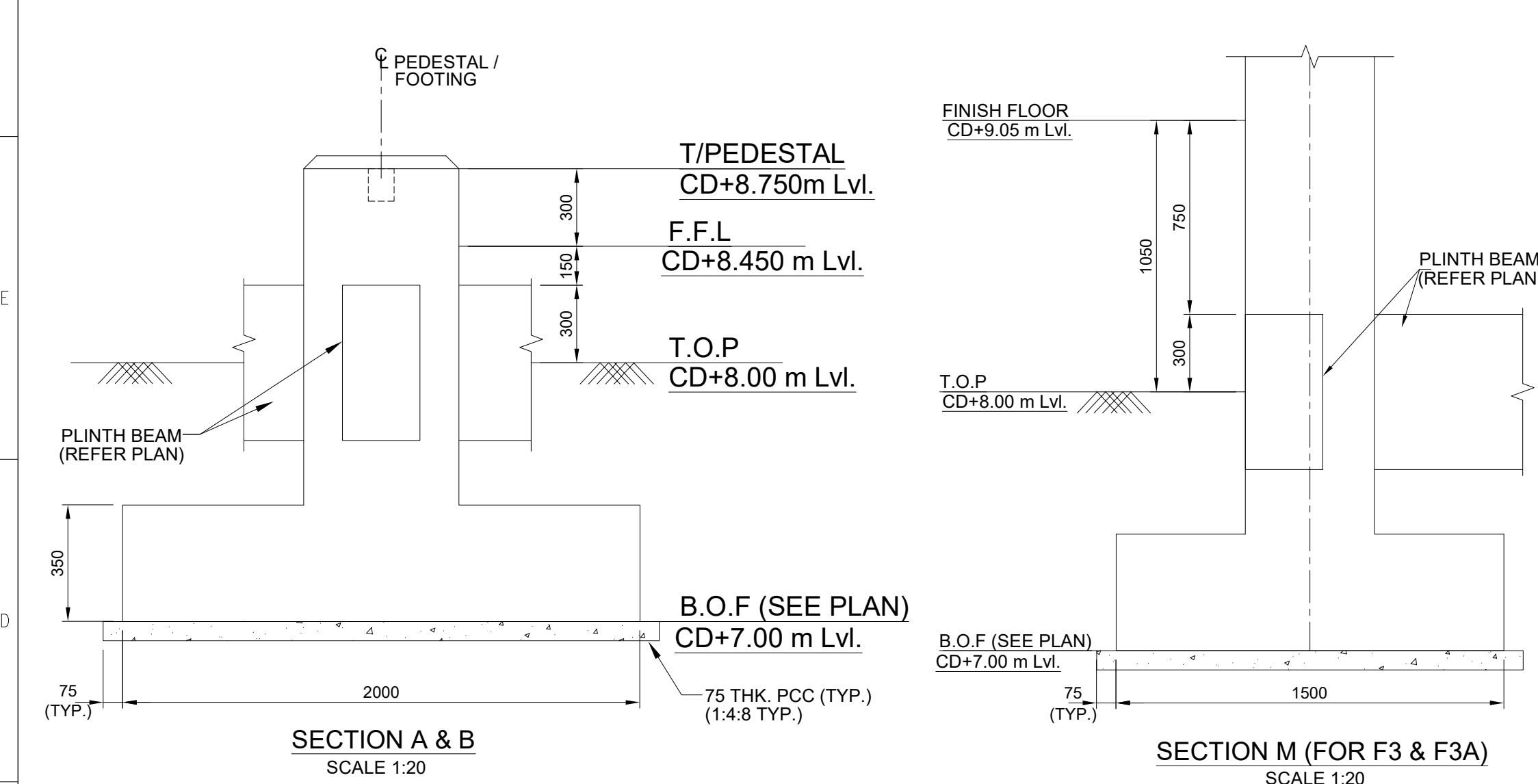
[illegible]



FOUNDATION LAYOUT
(B.O.F SHALL BE CD +7.000 m LVL) (UNO)
SCALE 1:50

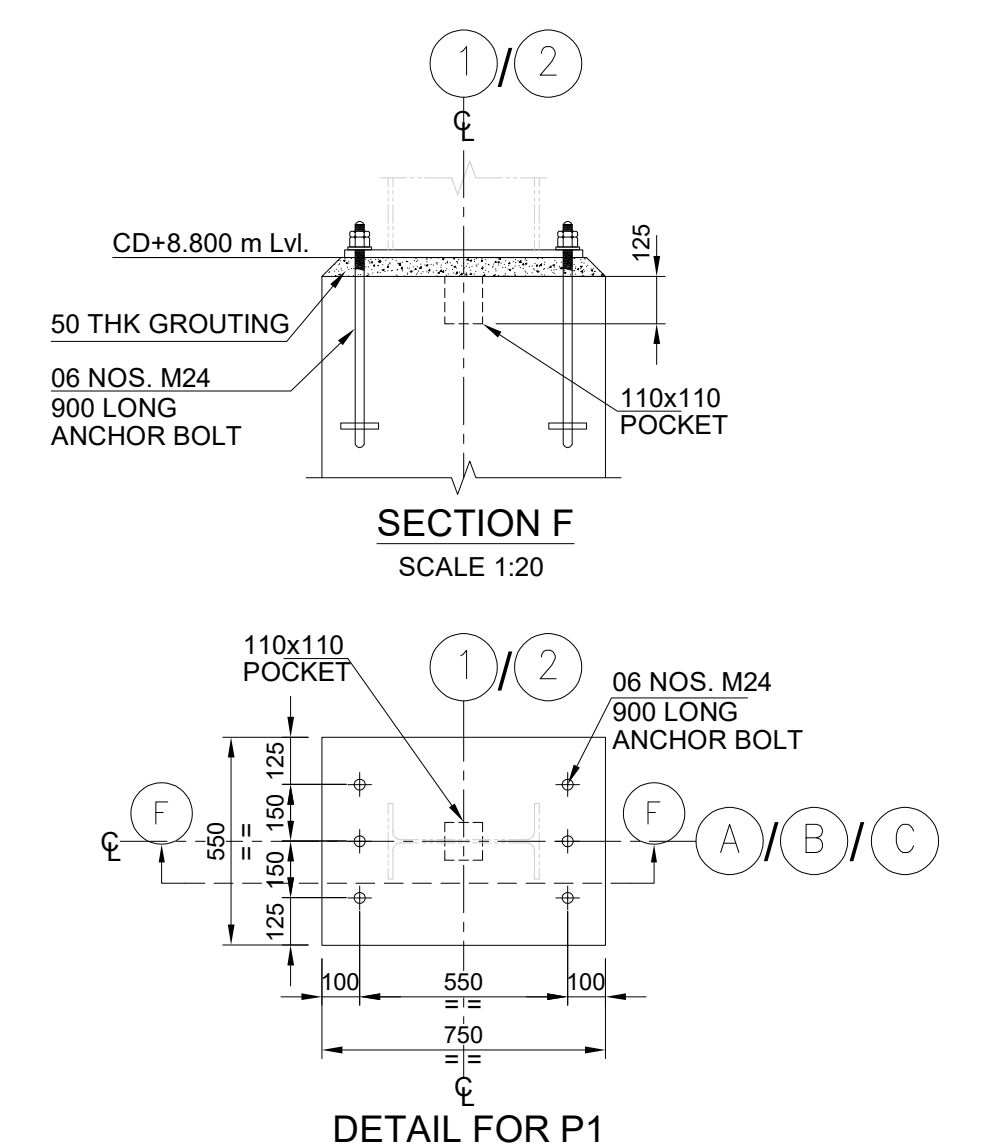


PLAN AT PLINTH BEAM (300x600) LEVEL, CD+8.30 (T.O.B) (UNO)
SCALE 1:50

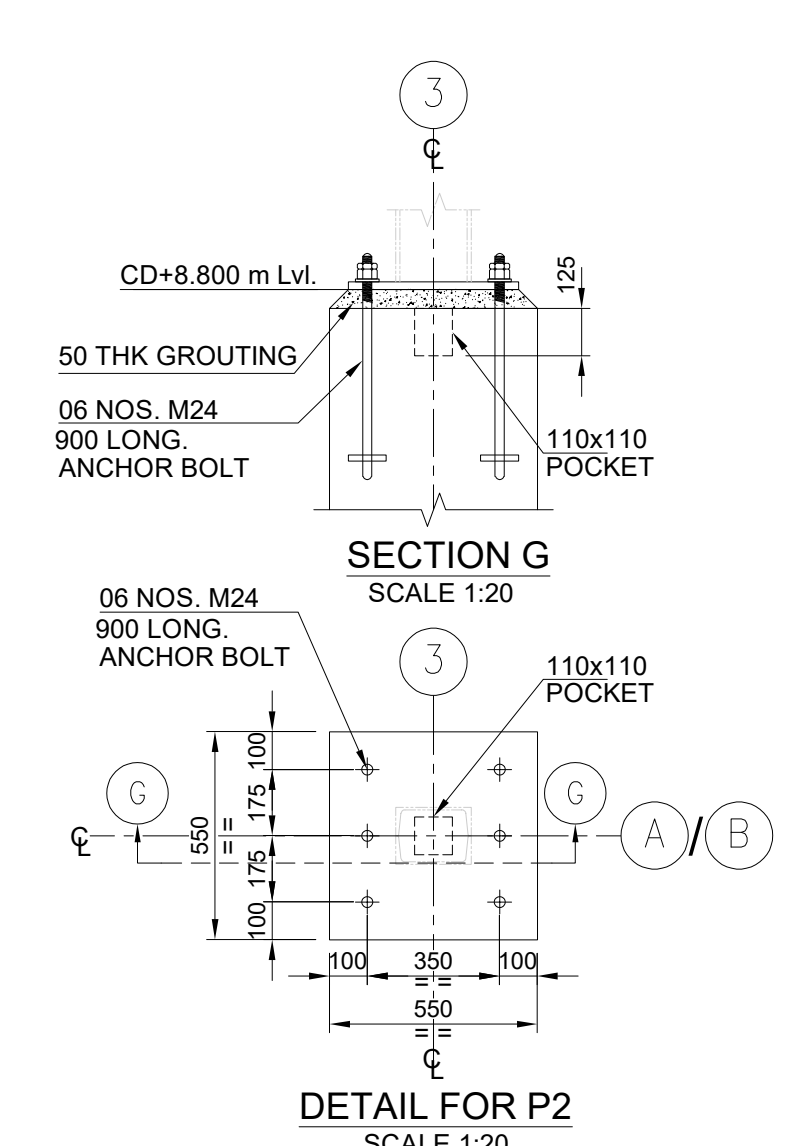


SECTION A & B
SCALE 1:20

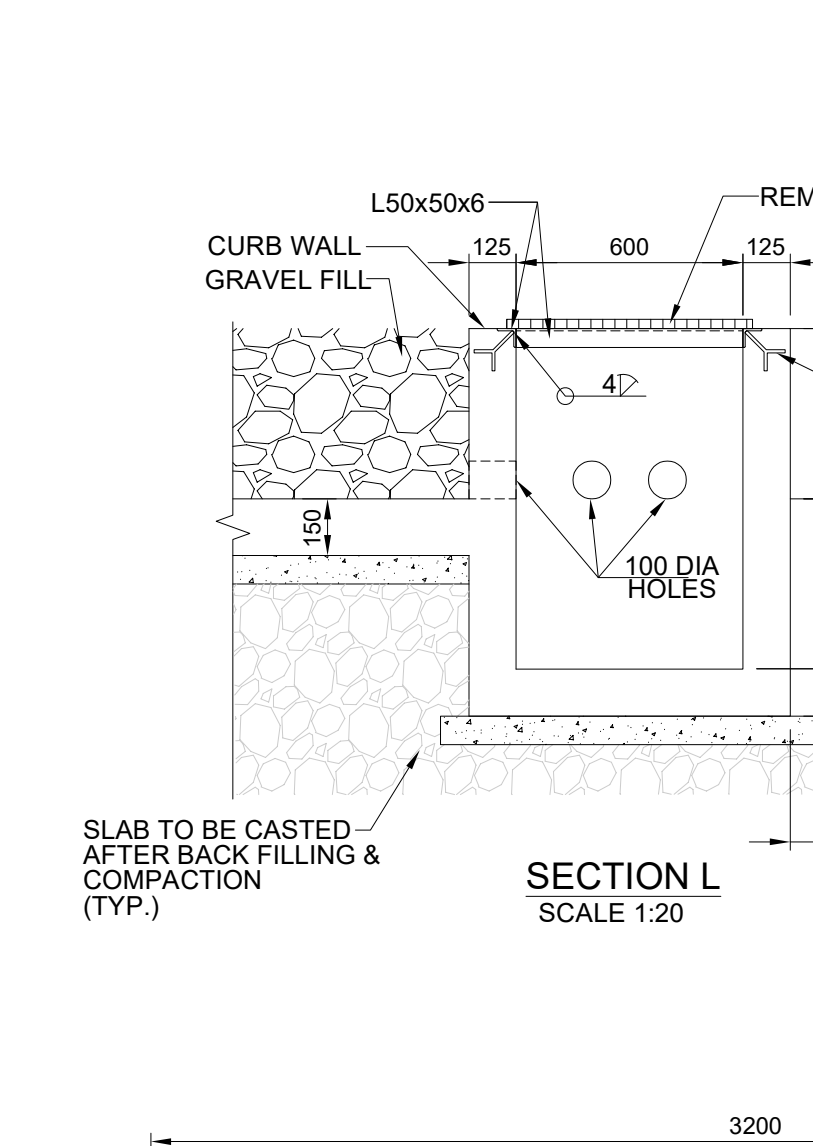
SECTION M (FOR F3 & F3A)
SCALE 1:20



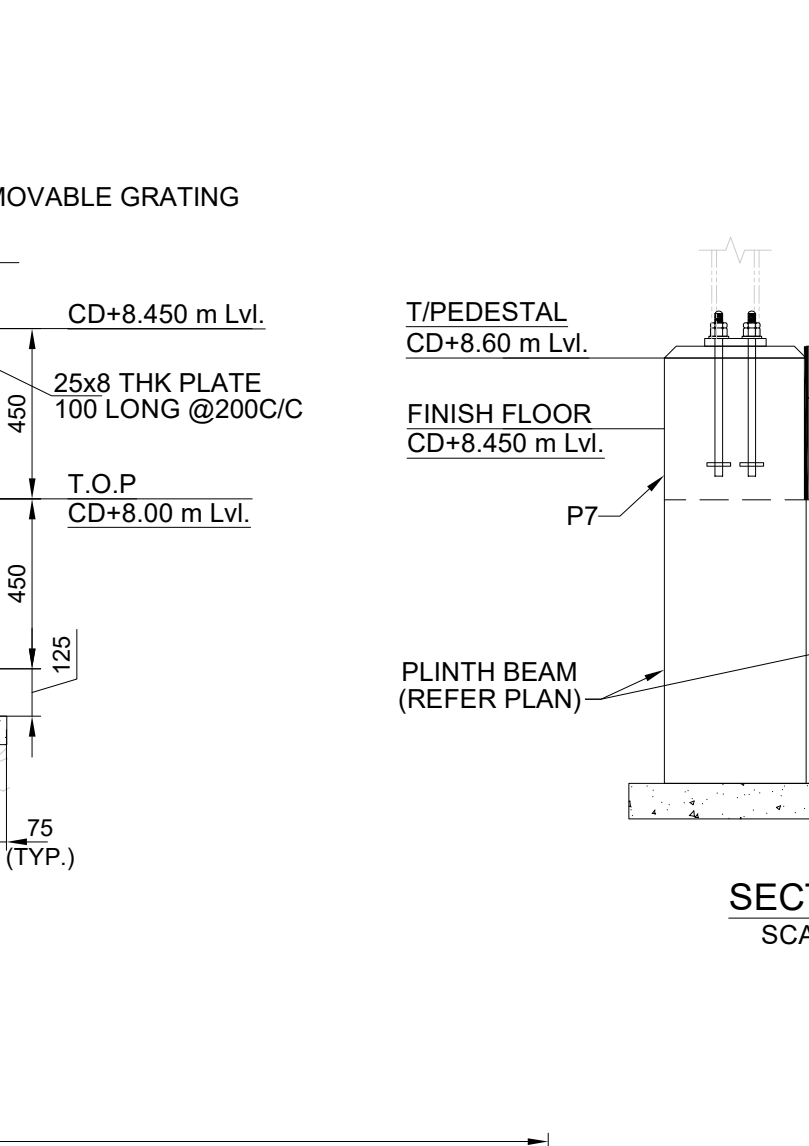
SECTION F
SCALE 1:20



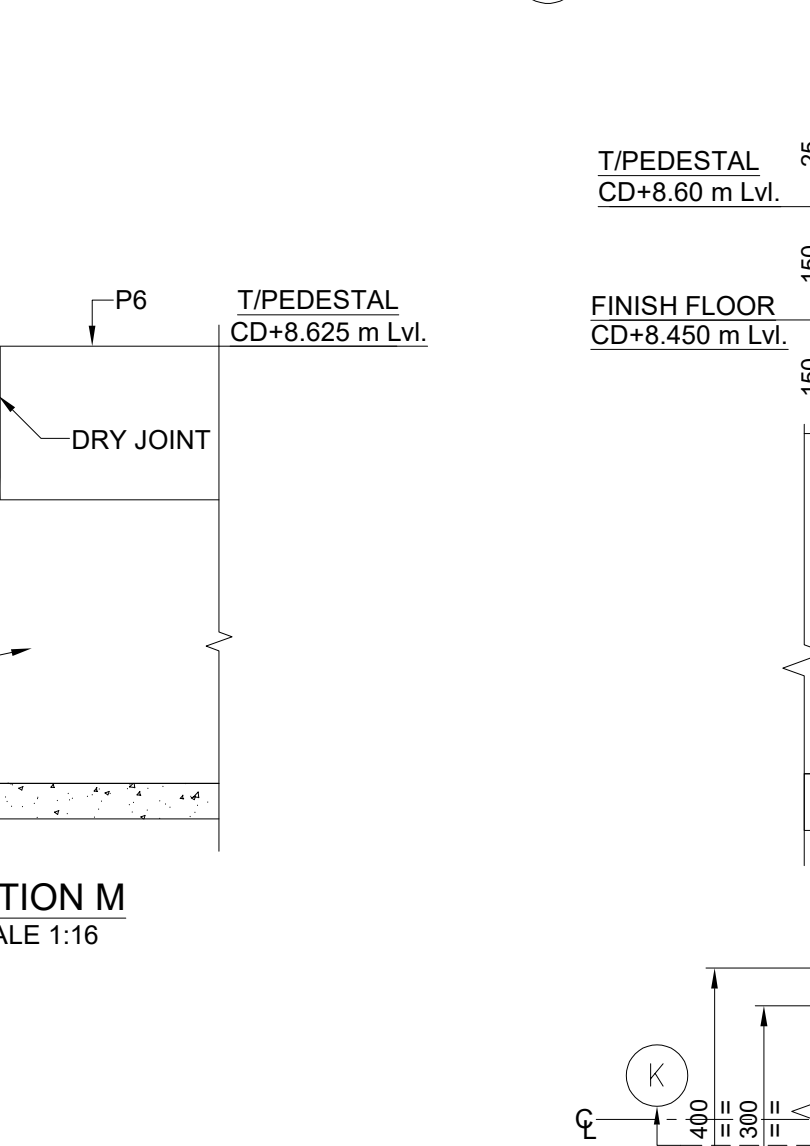
SECTION G
SCALE 1:20



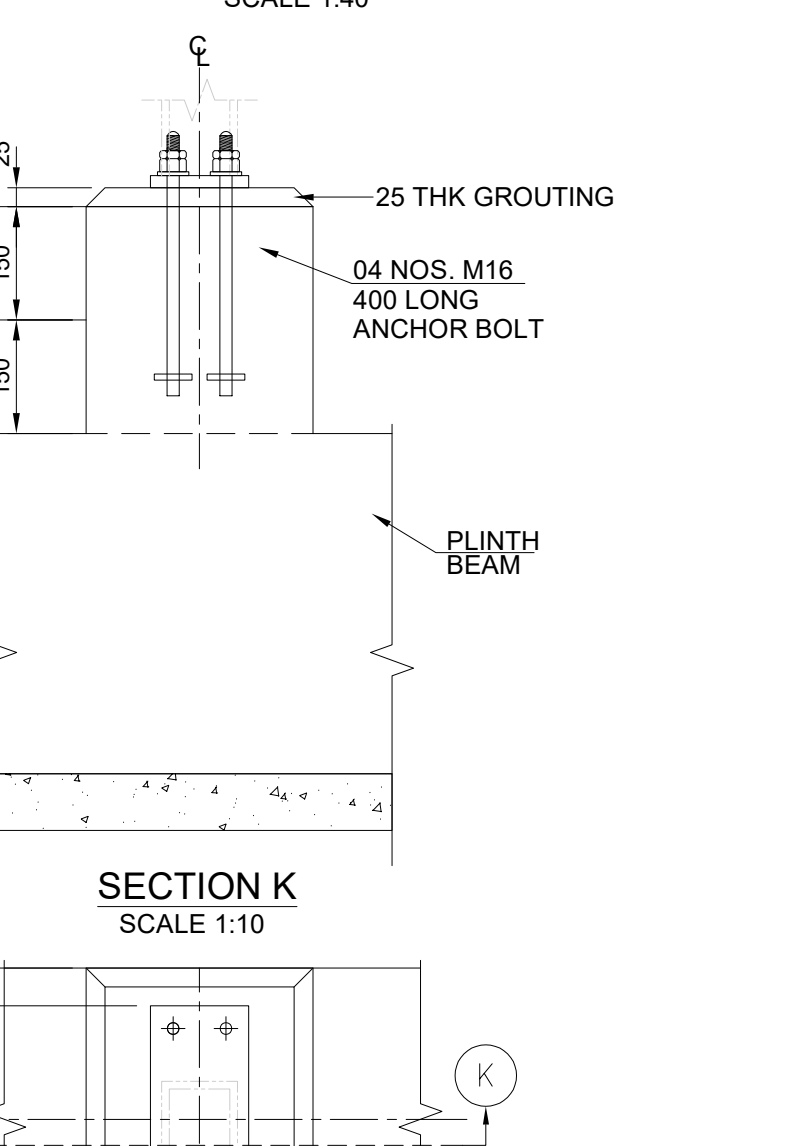
SECTION I
SCALE 1:20



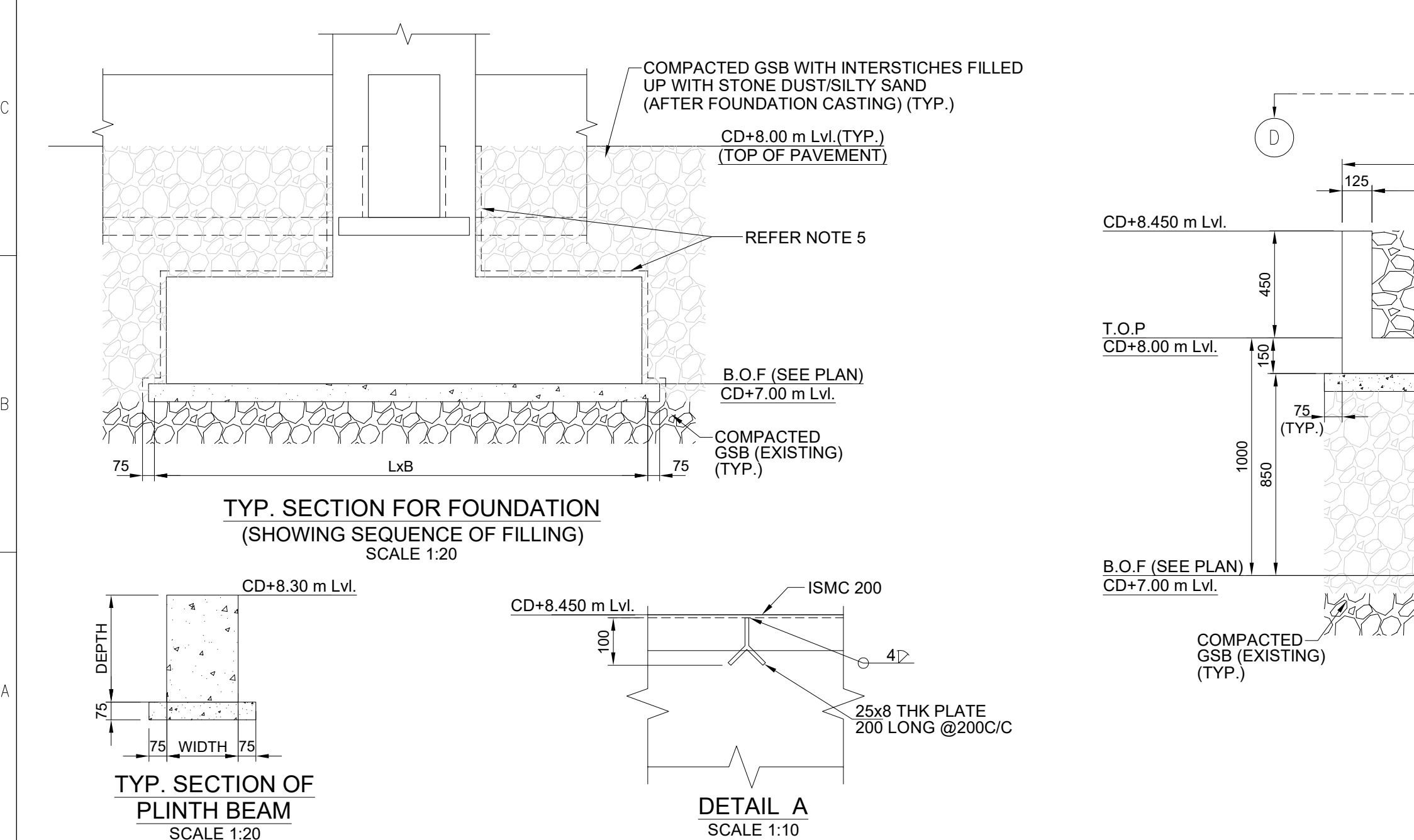
SECTION L
SCALE 1:20



SECTION M
SCALE 1:16

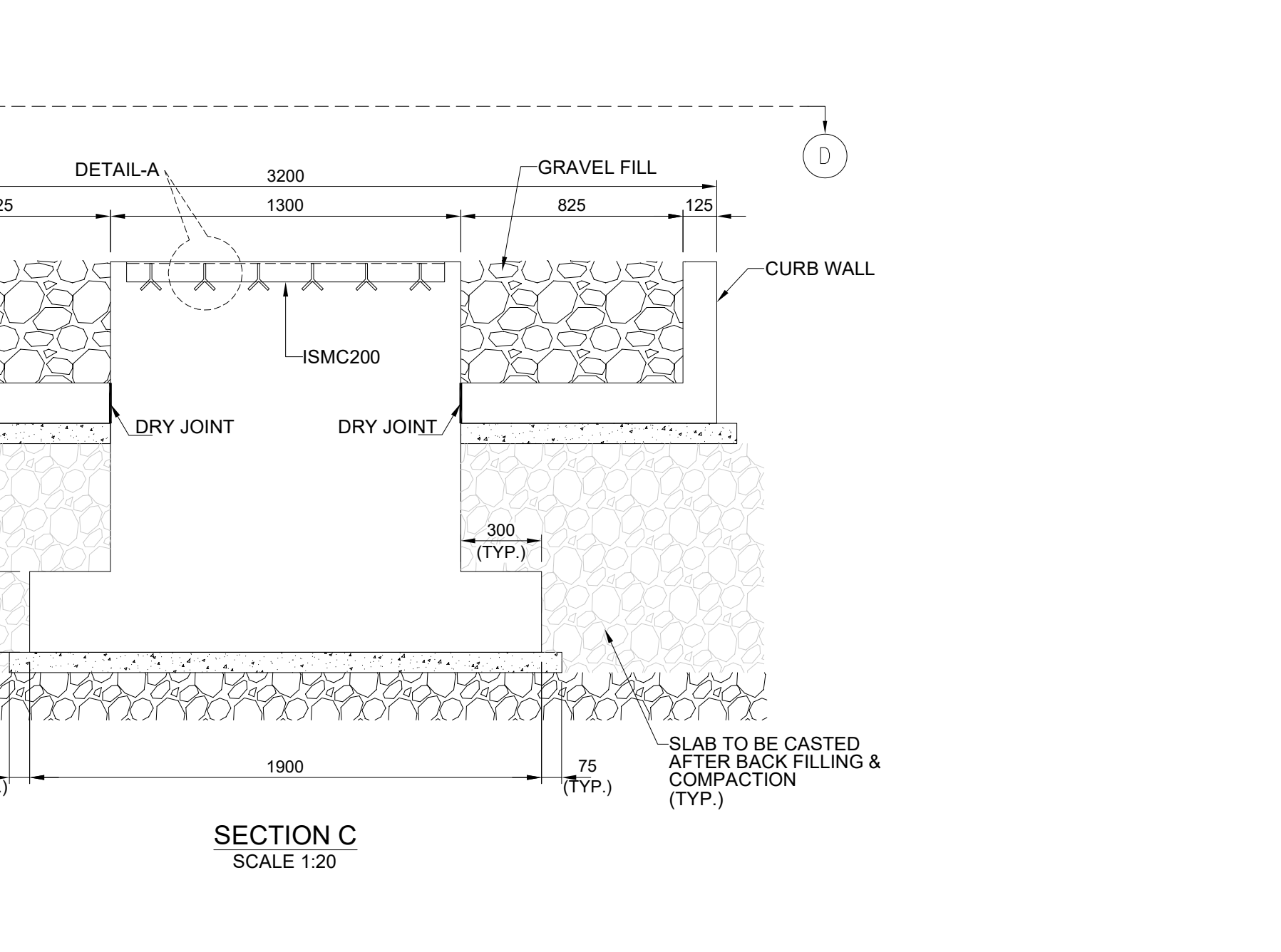


SECTION K
SCALE 1:10

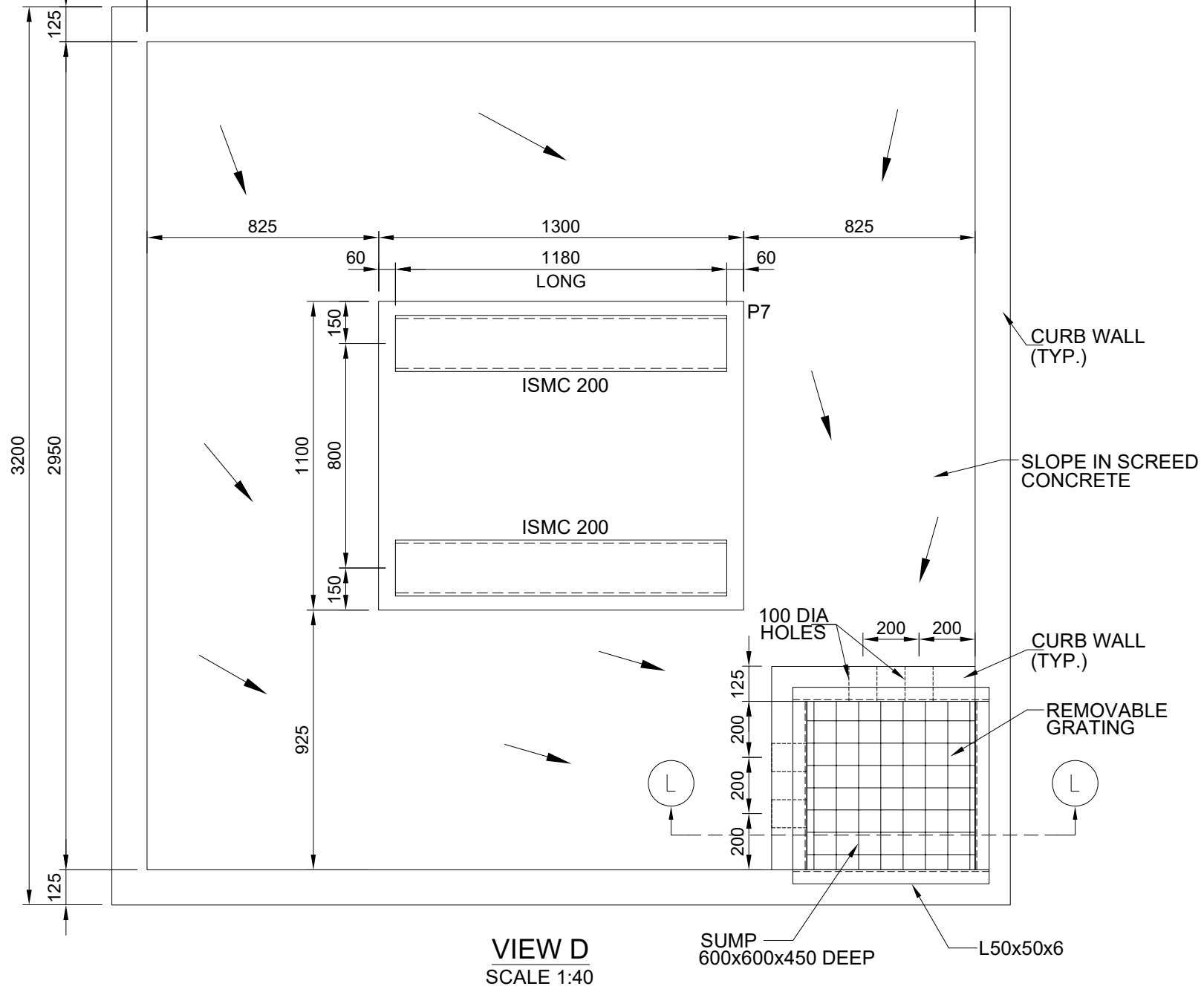


TYP. SECTION OF
PLINTH BEAM
SCALE 1:20

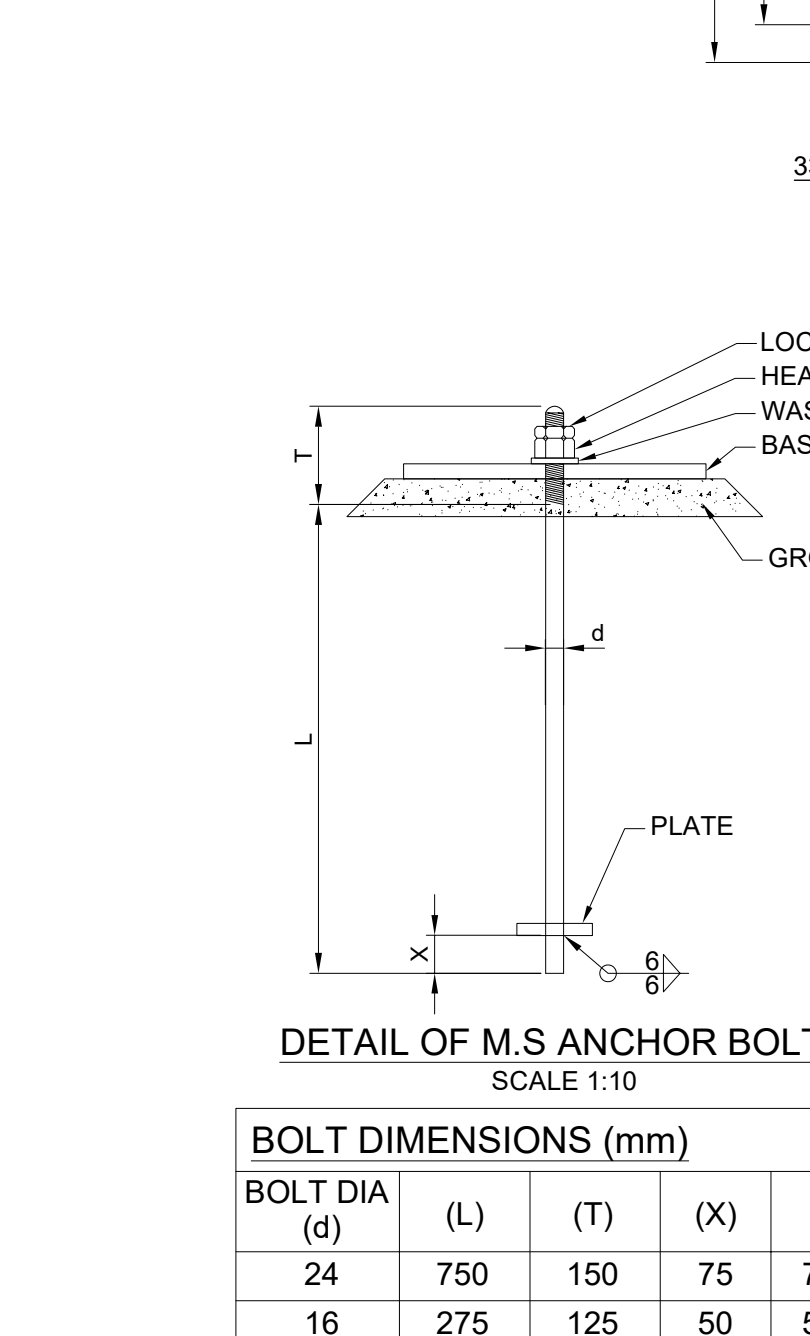
DETAIL A
SCALE 1:10



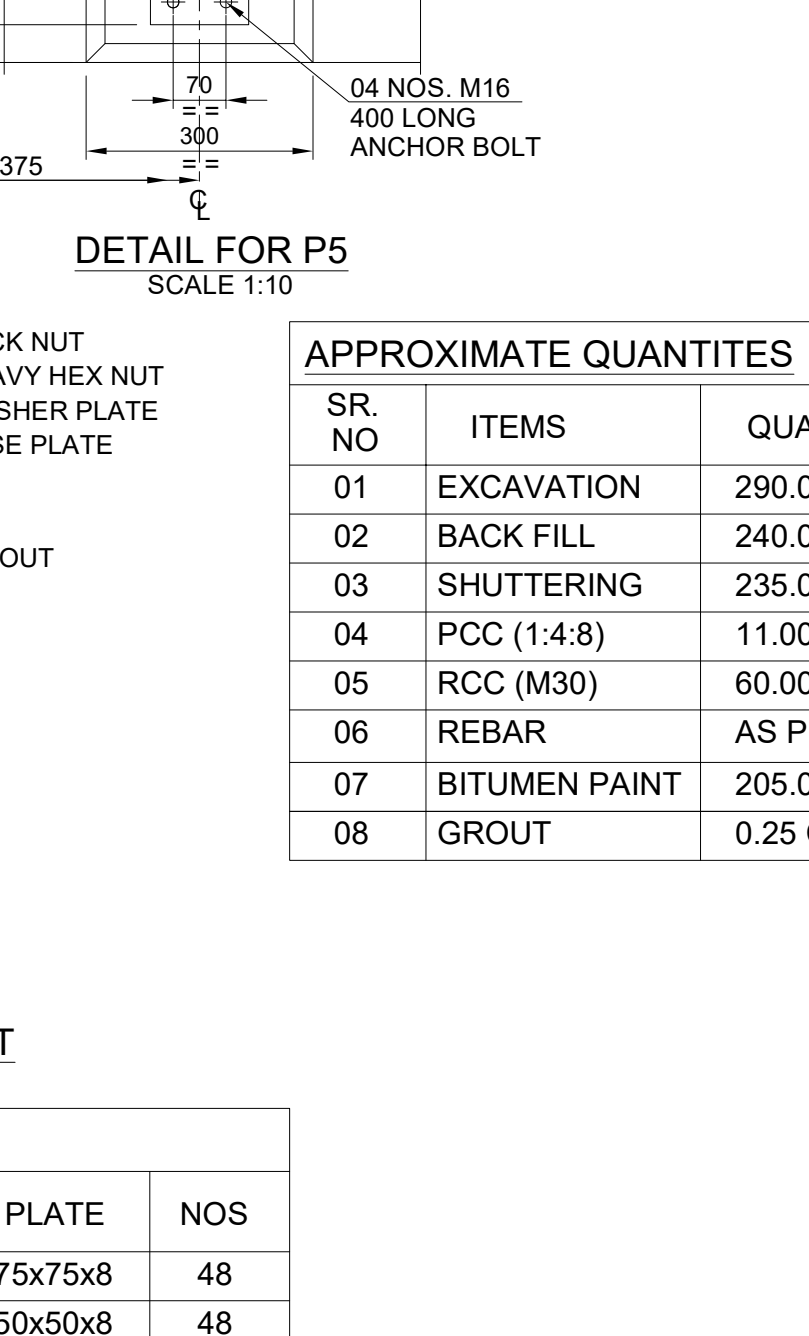
SECTION C
SCALE 1:20



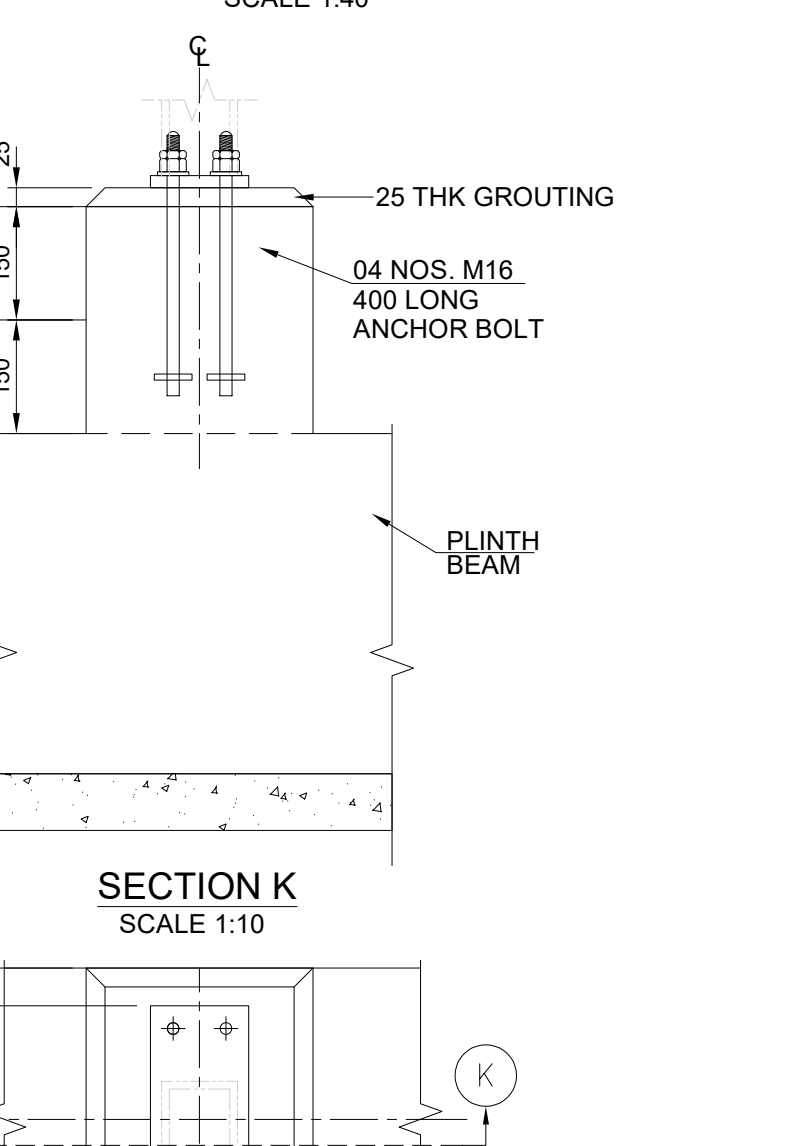
VIEW D
SCALE 1:40



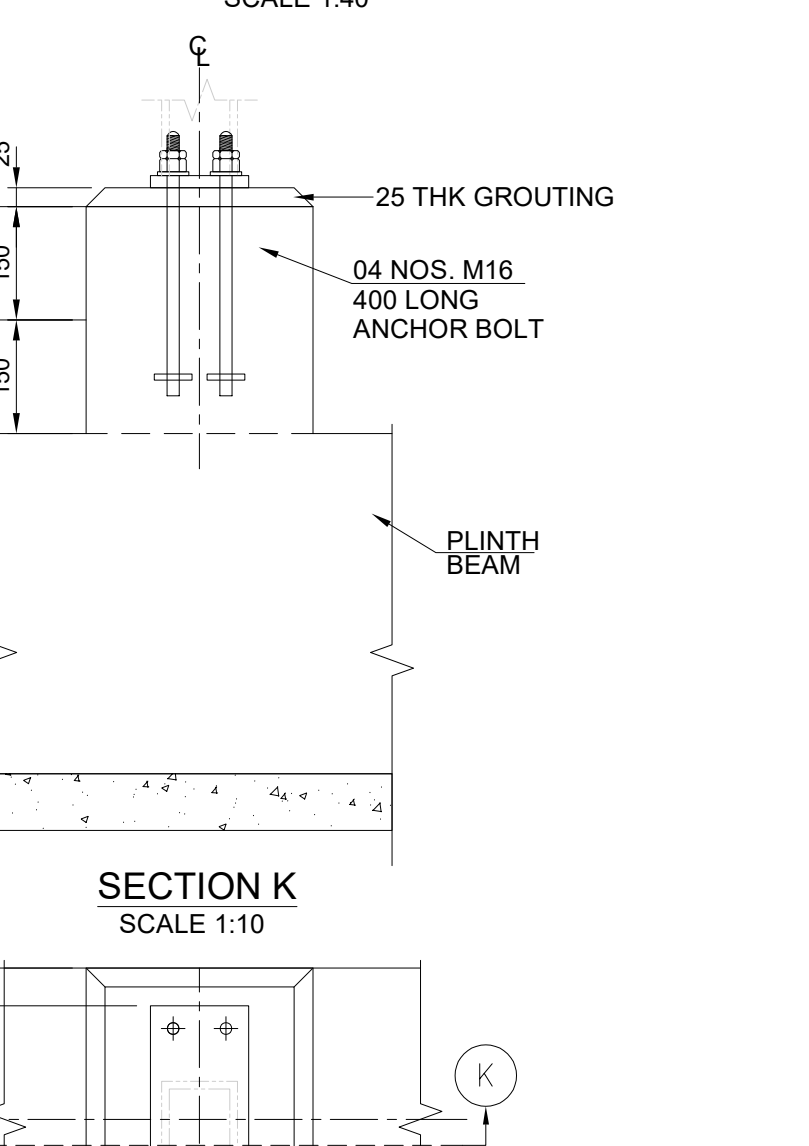
DETAIL OF M.S. ANCHOR BOLT
SCALE 1:10



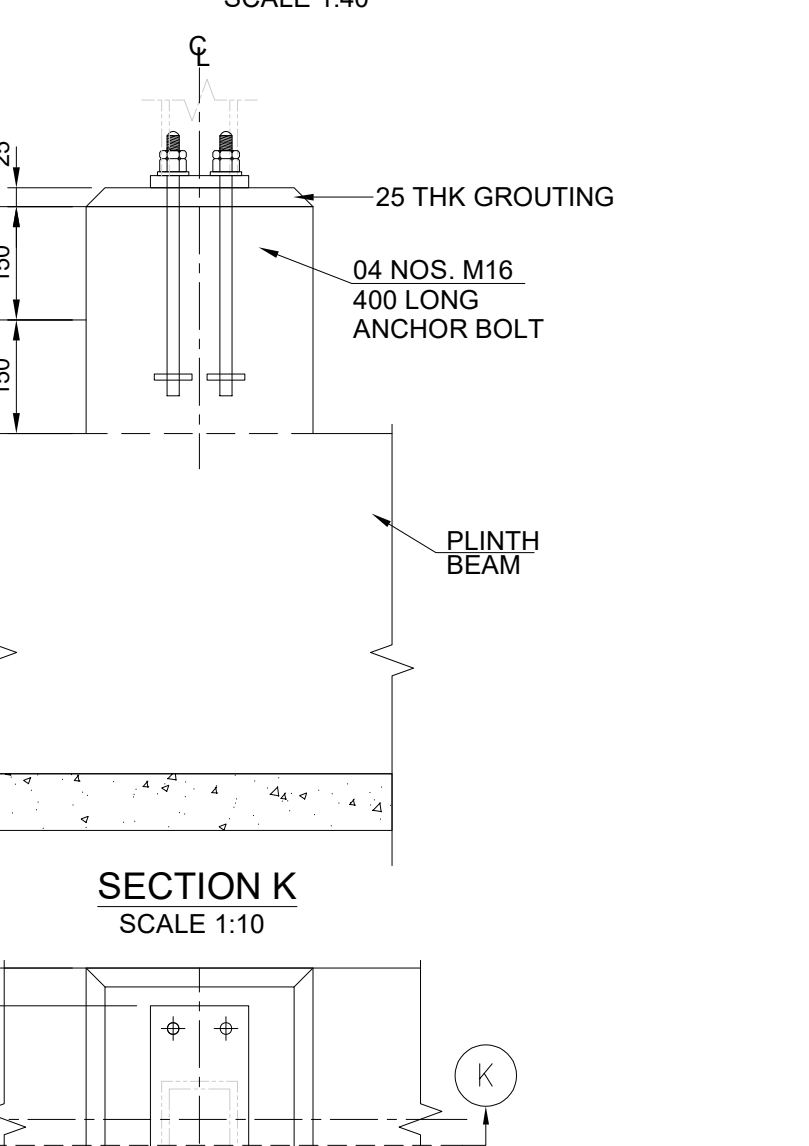
DETAIL FOR P5
SCALE 1:10



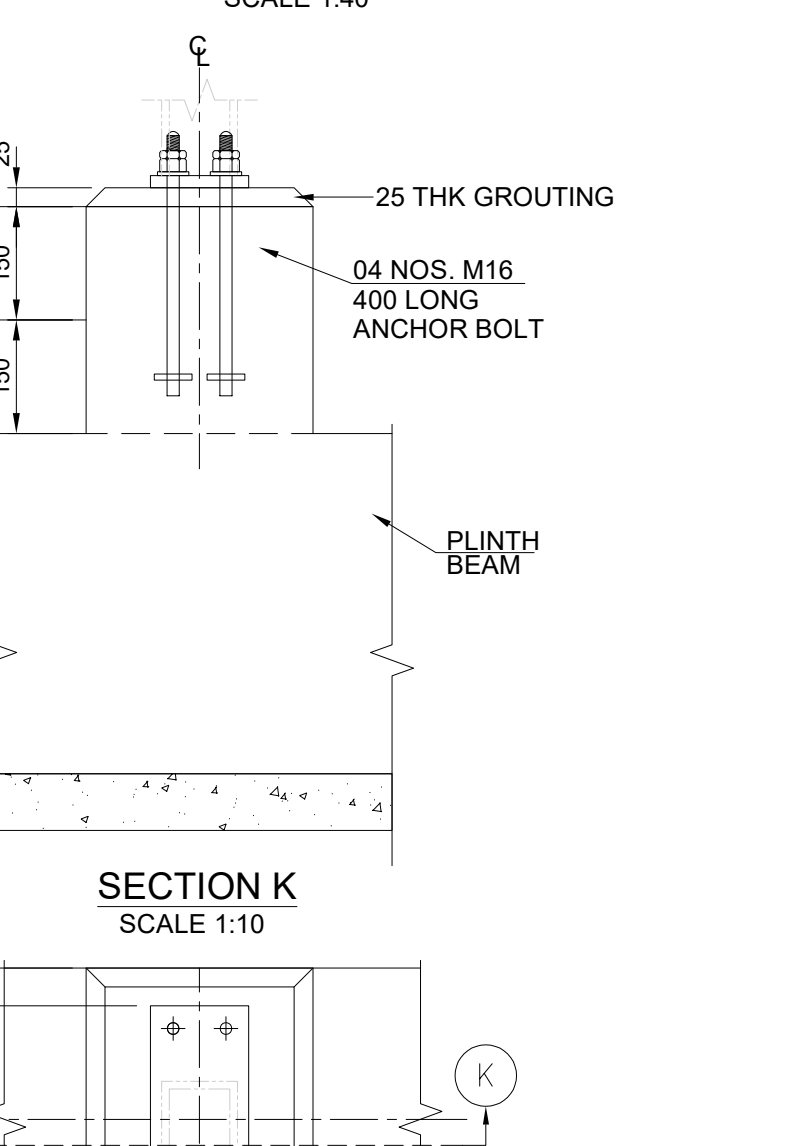
SECTION E
SCALE 1:40



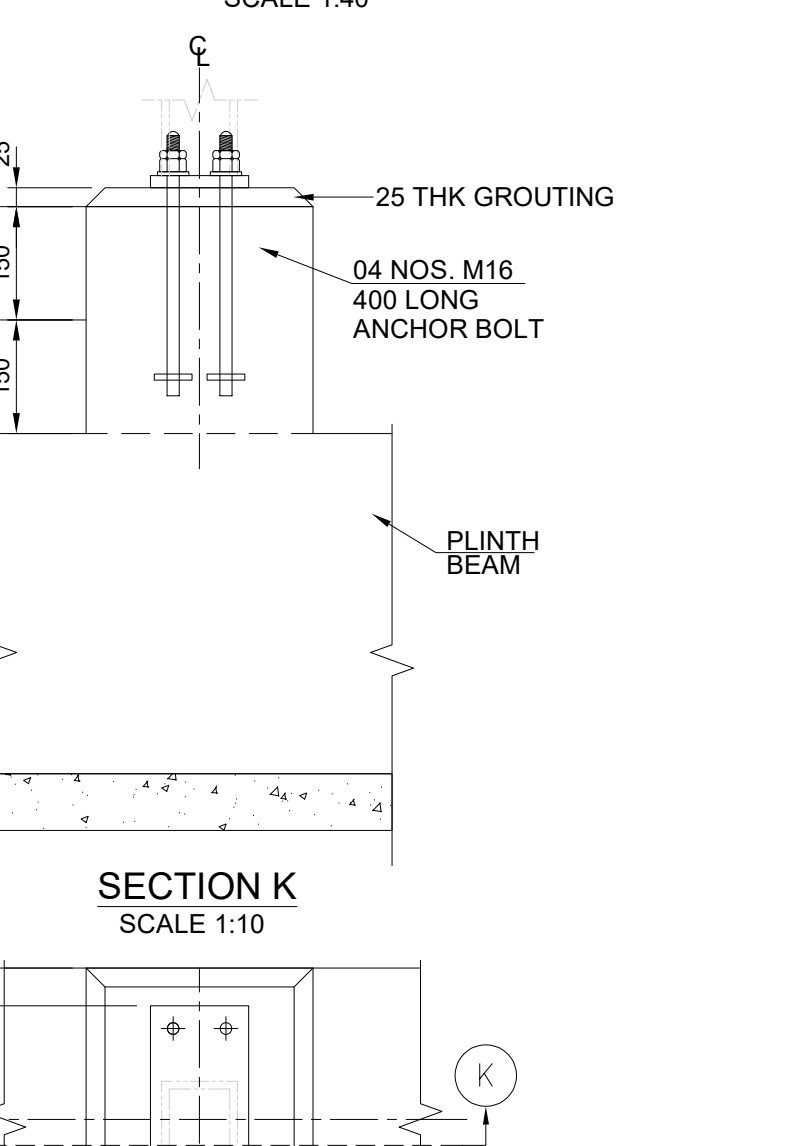
SECTION H
SCALE 1:10



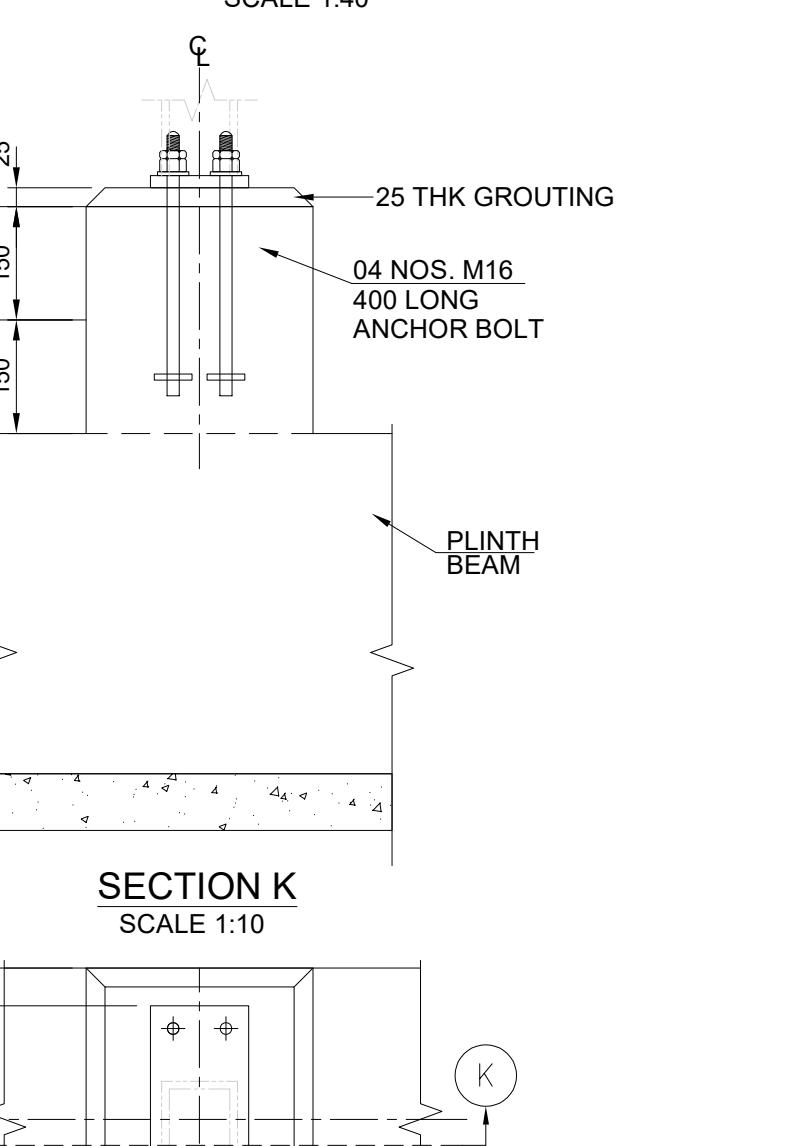
SECTION J
SCALE 1:10



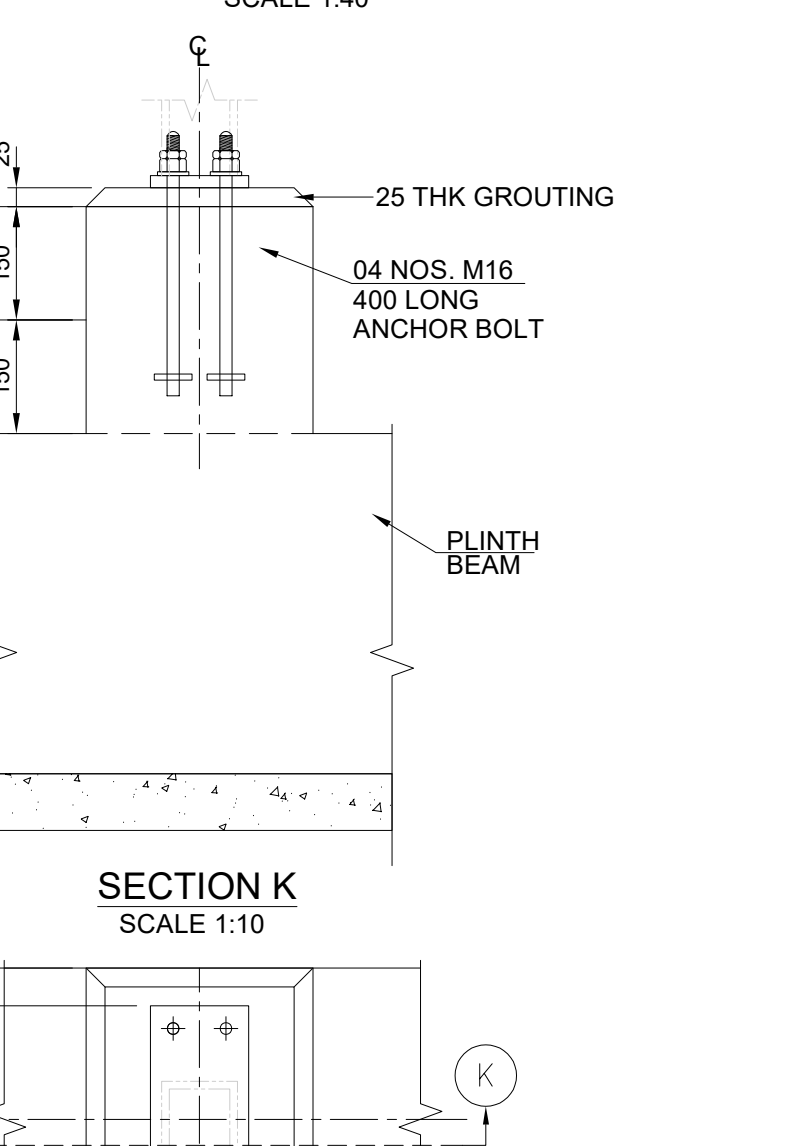
SECTION P3
SCALE 1:10



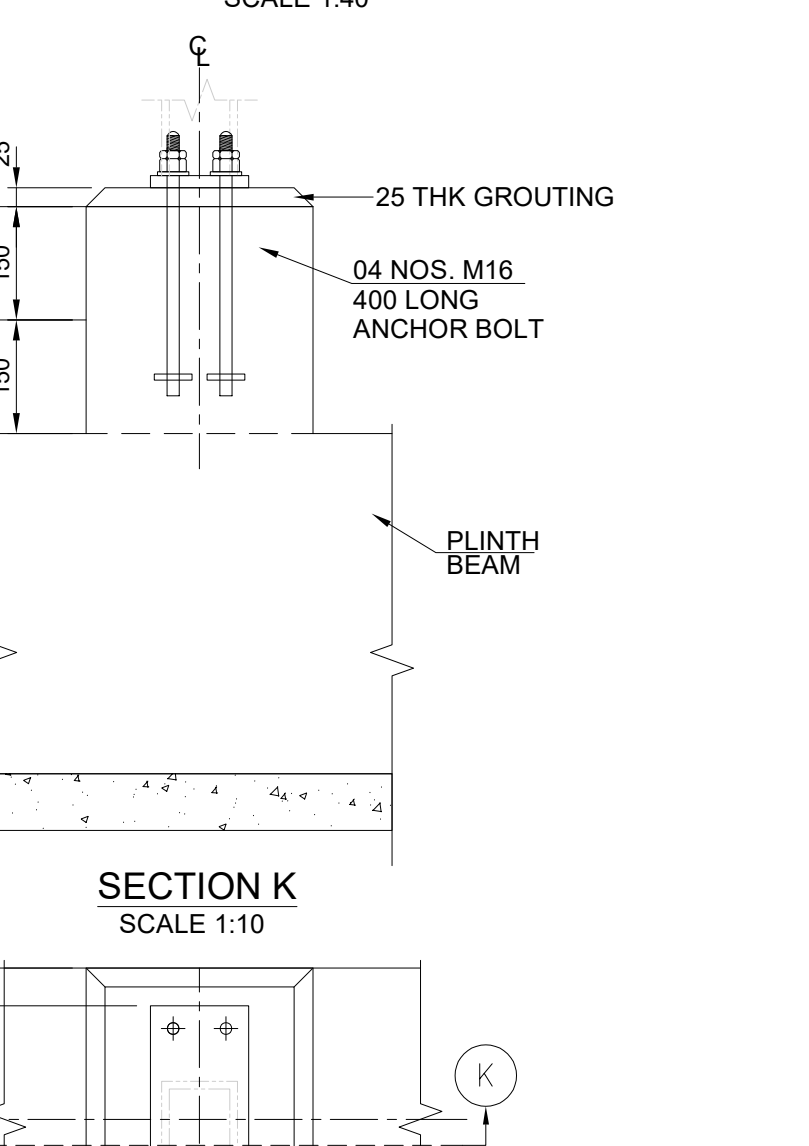
SECTION P4
SCALE 1:10



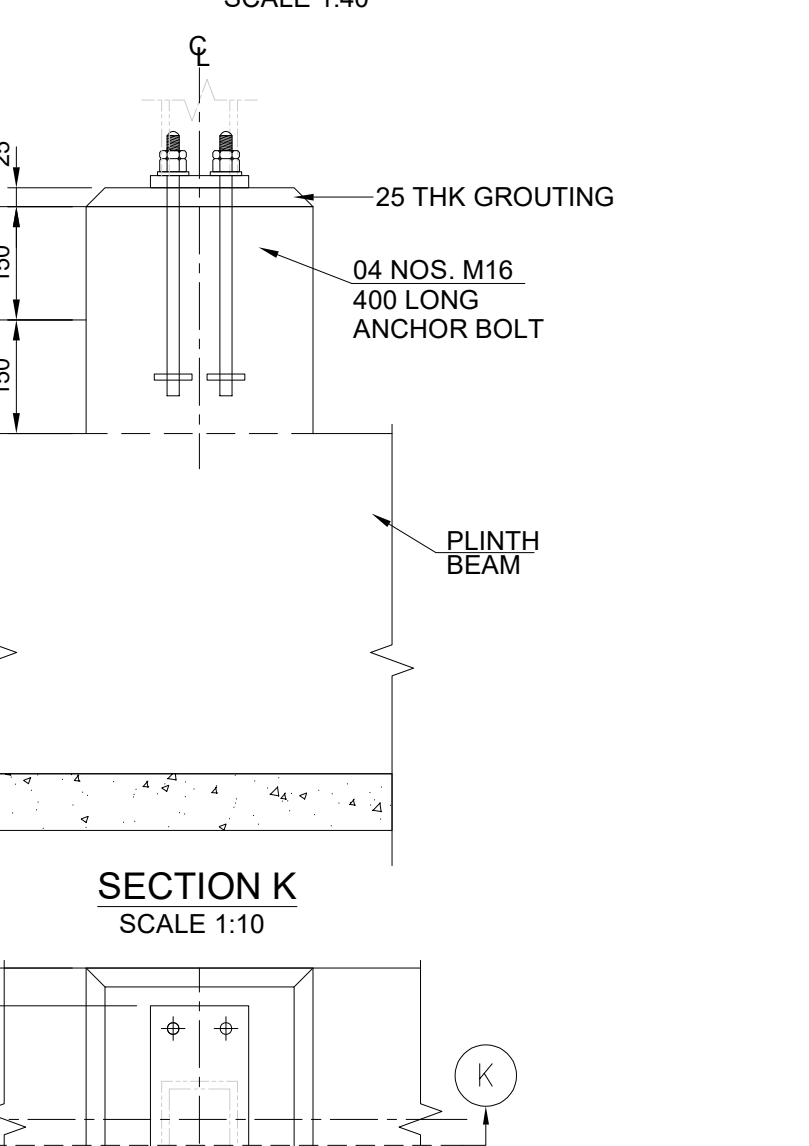
SECTION P5
SCALE 1:10



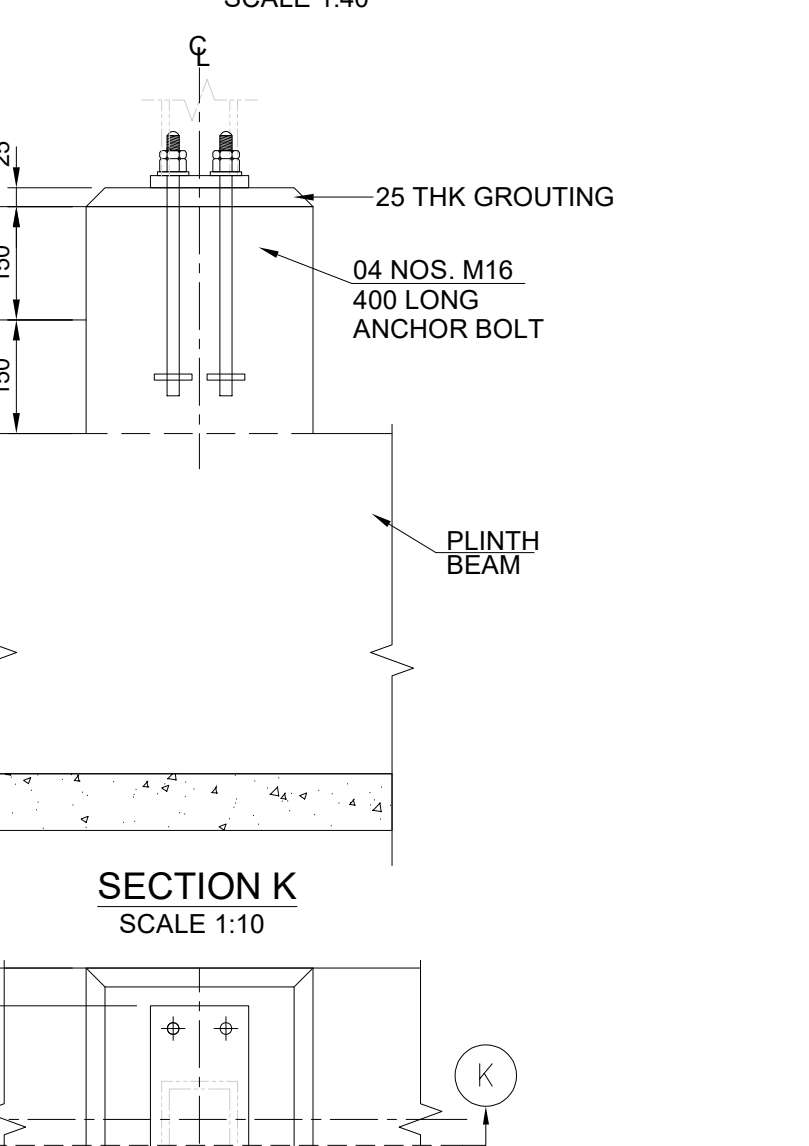
SECTION P6
SCALE 1:10



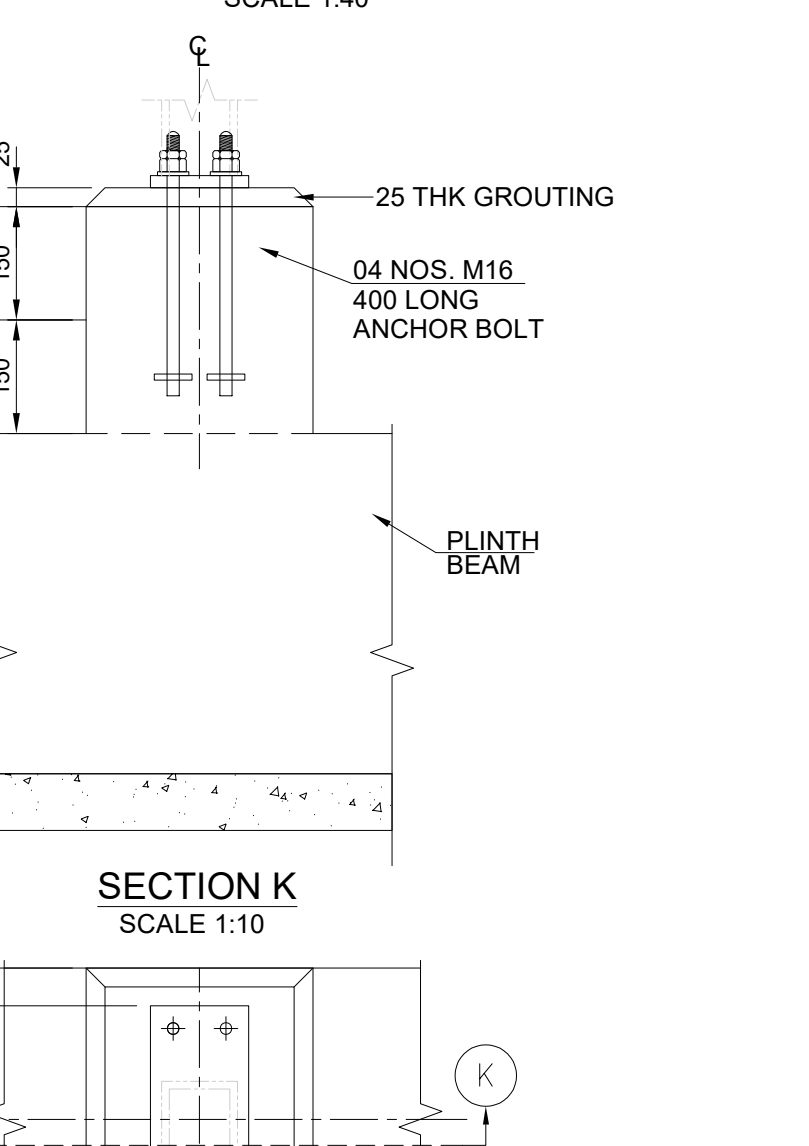
SECTION P7
SCALE 1:10



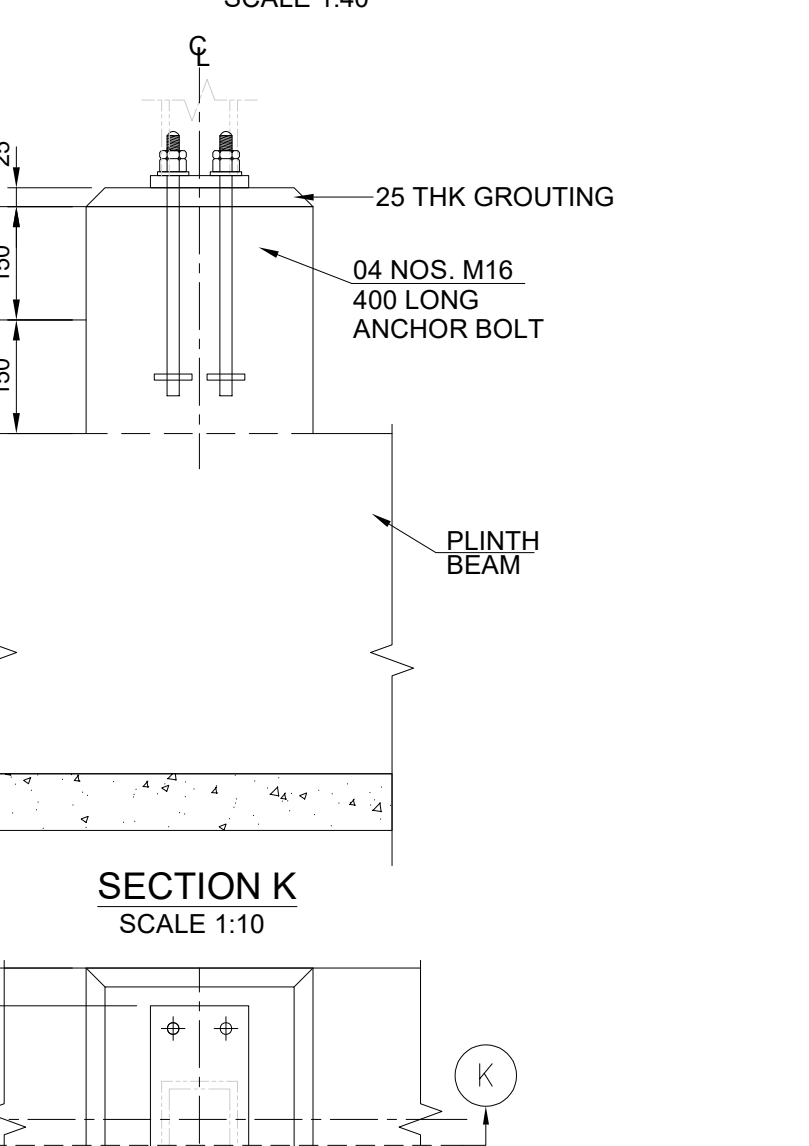
SECTION P8
SCALE 1:10



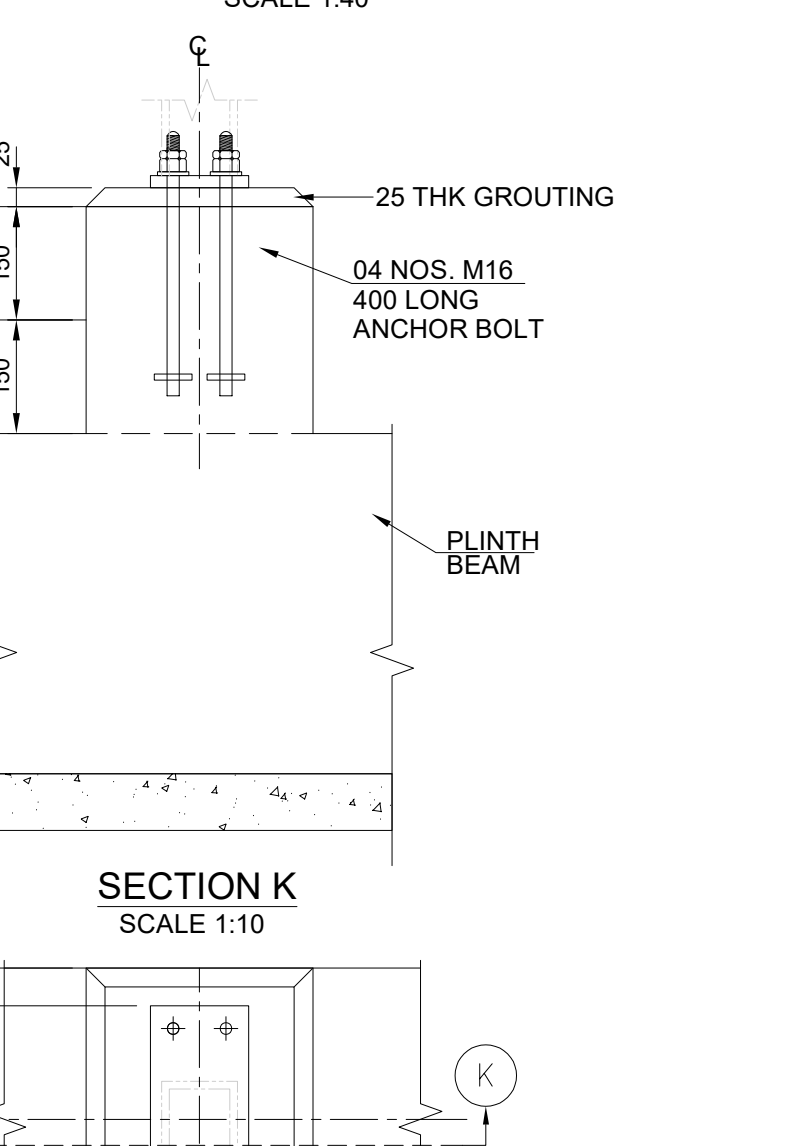
SECTION P9
SCALE 1:10



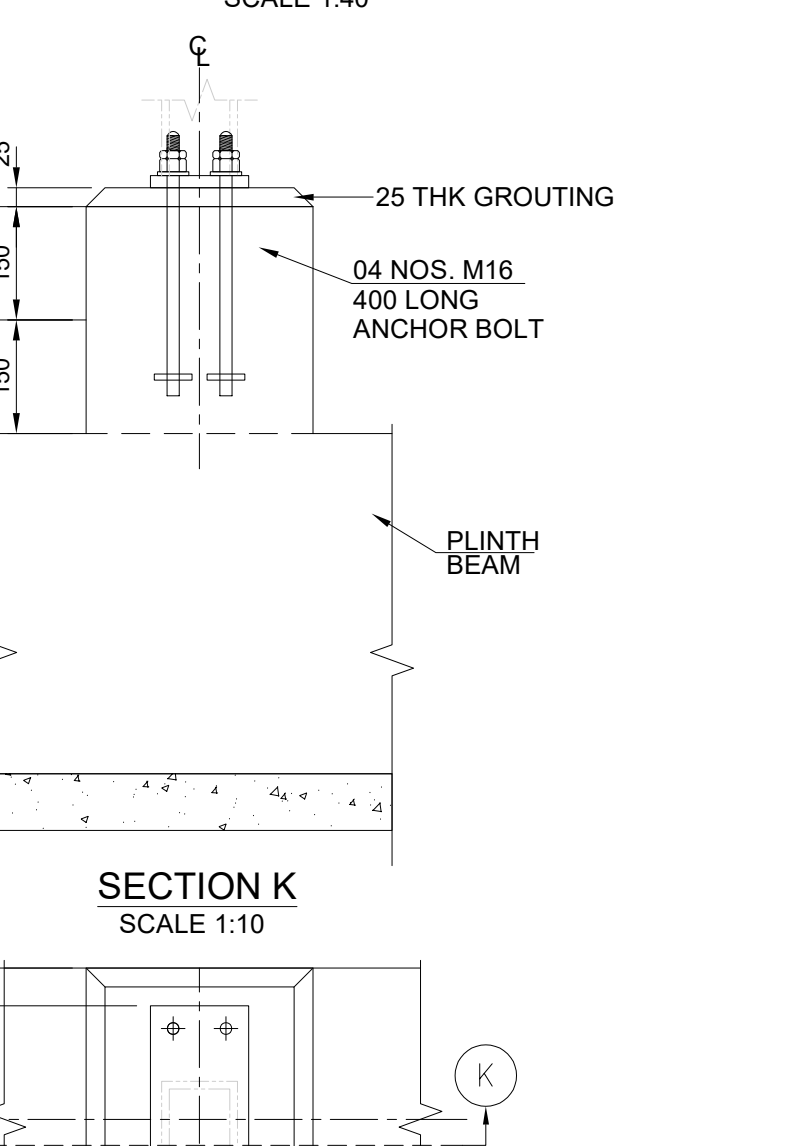
SECTION P10
SCALE 1:10



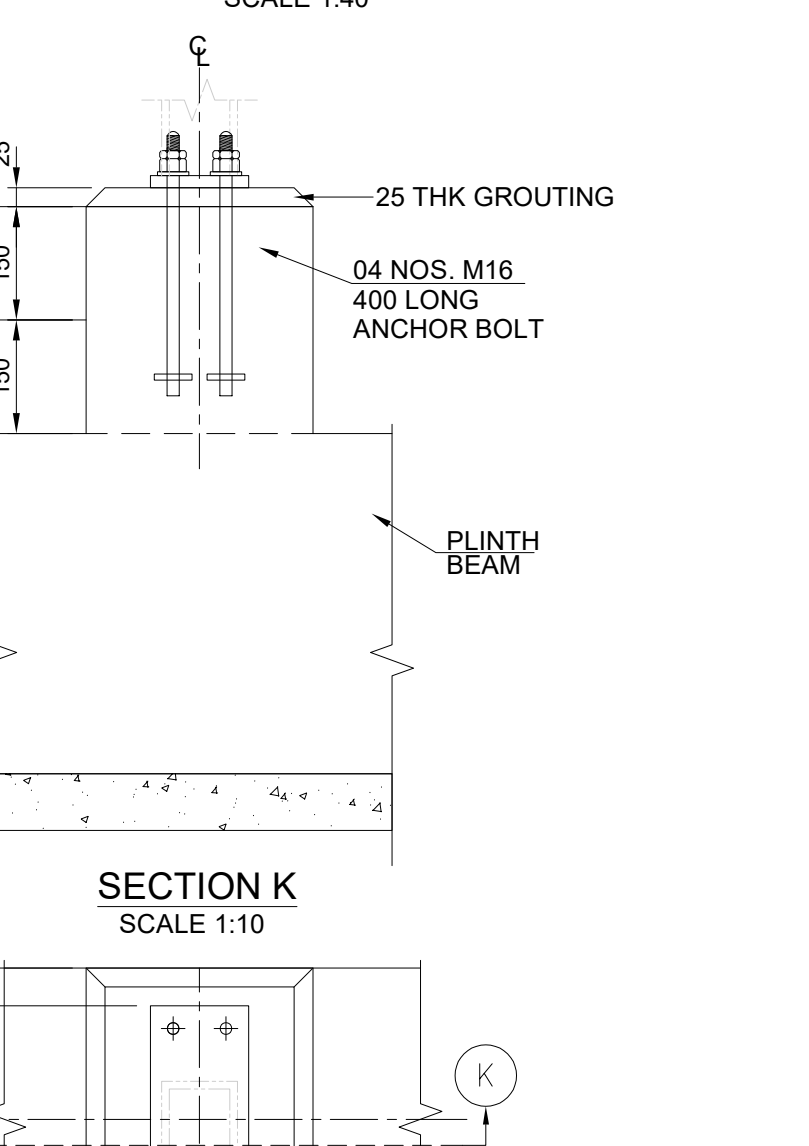
SECTION P11
SCALE 1:10



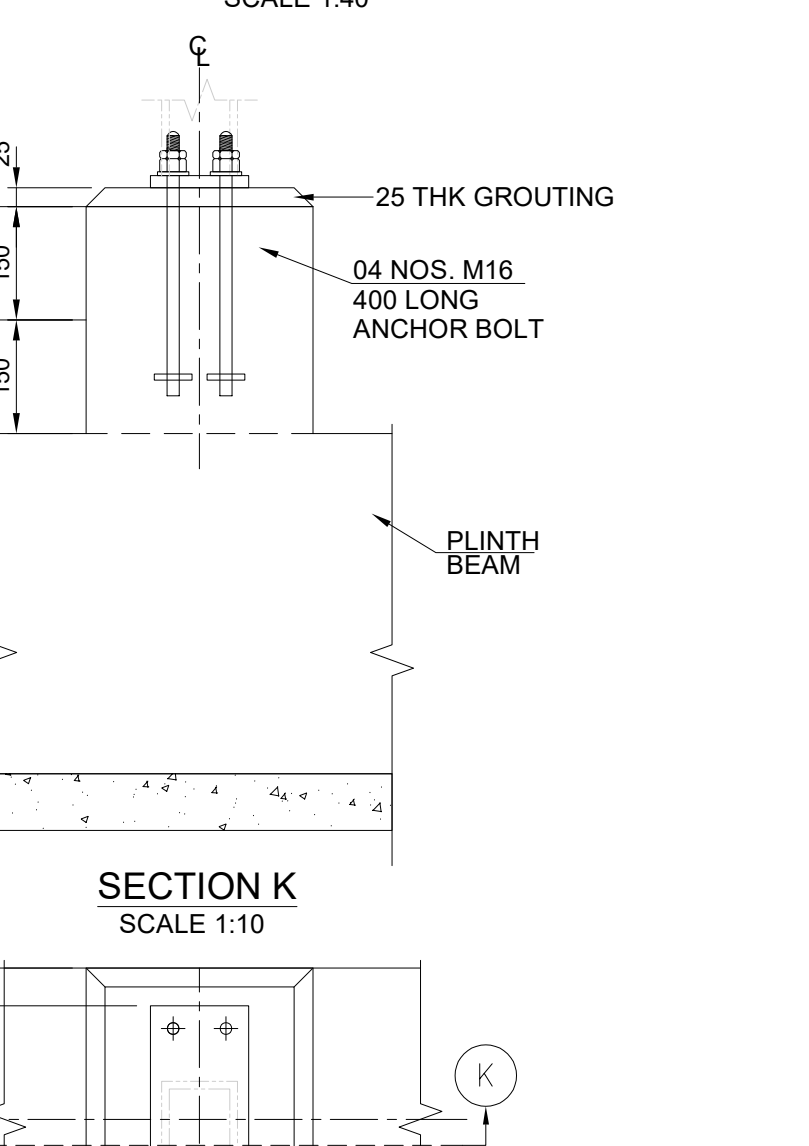
SECTION P12
SCALE 1:10



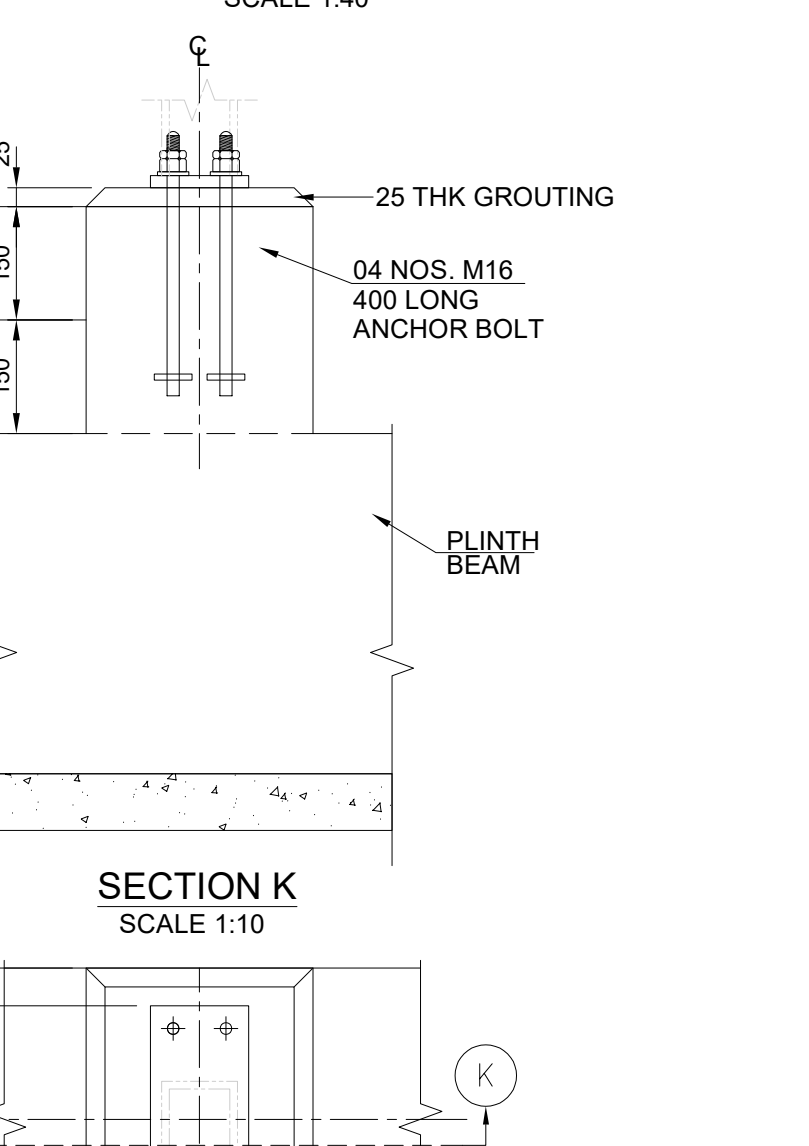
SECTION P13
SCALE 1:10



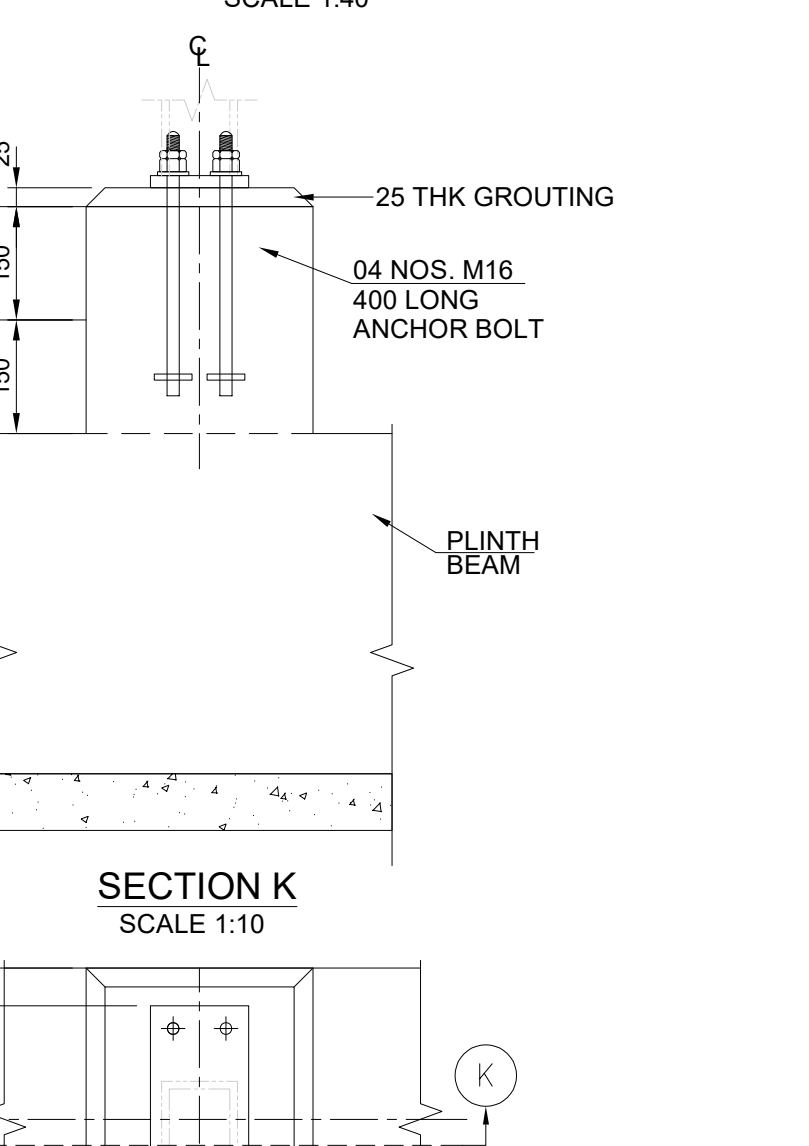
SECTION P14
SCALE 1:10



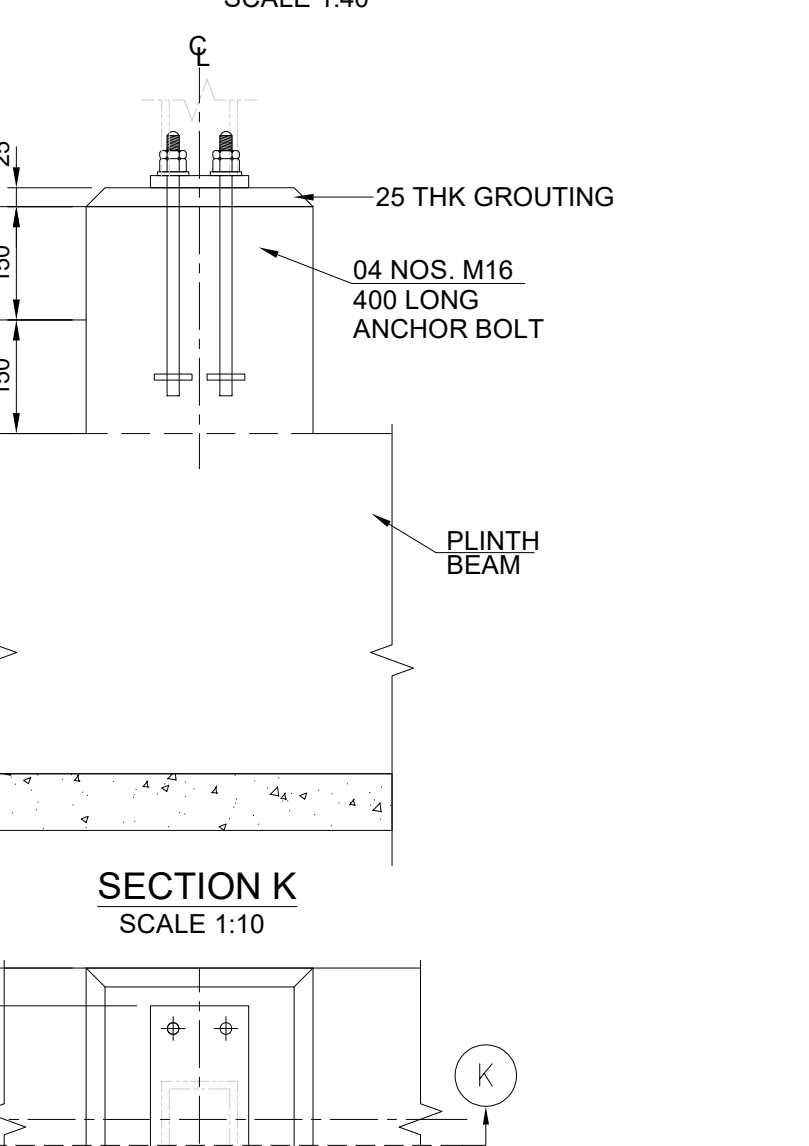
SECTION P15
SCALE 1:10



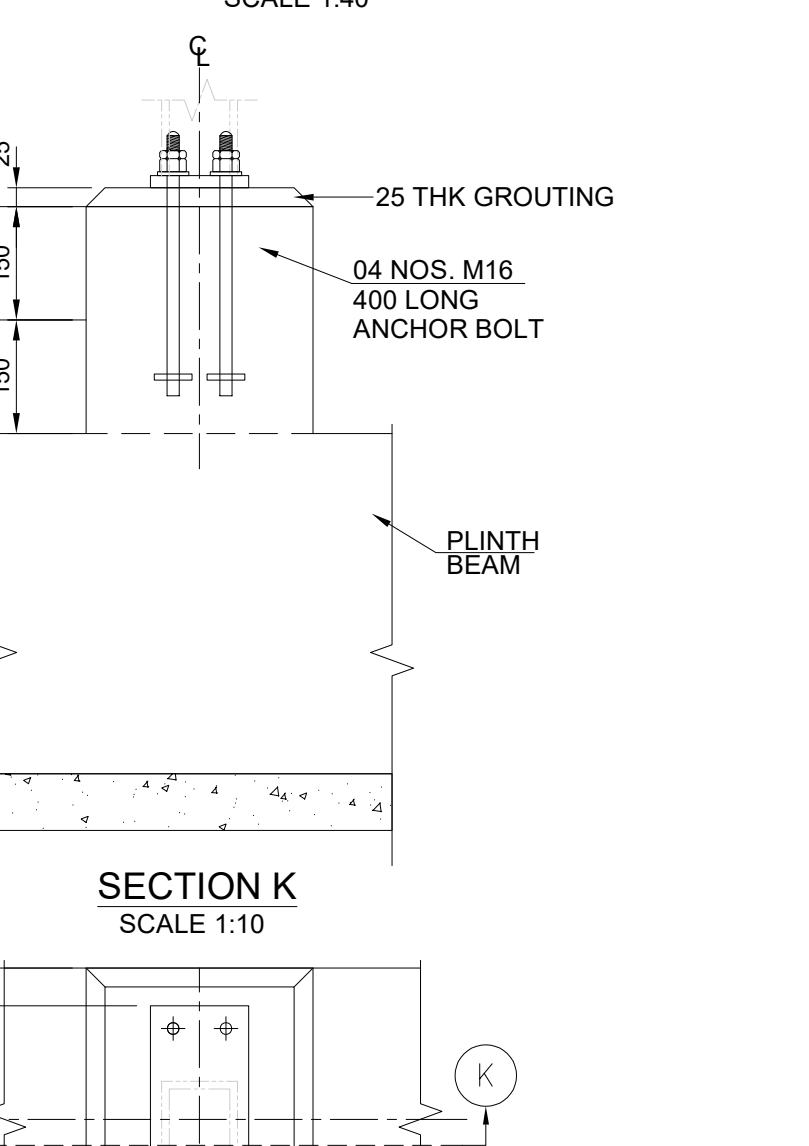
SECTION P16
SCALE 1:10



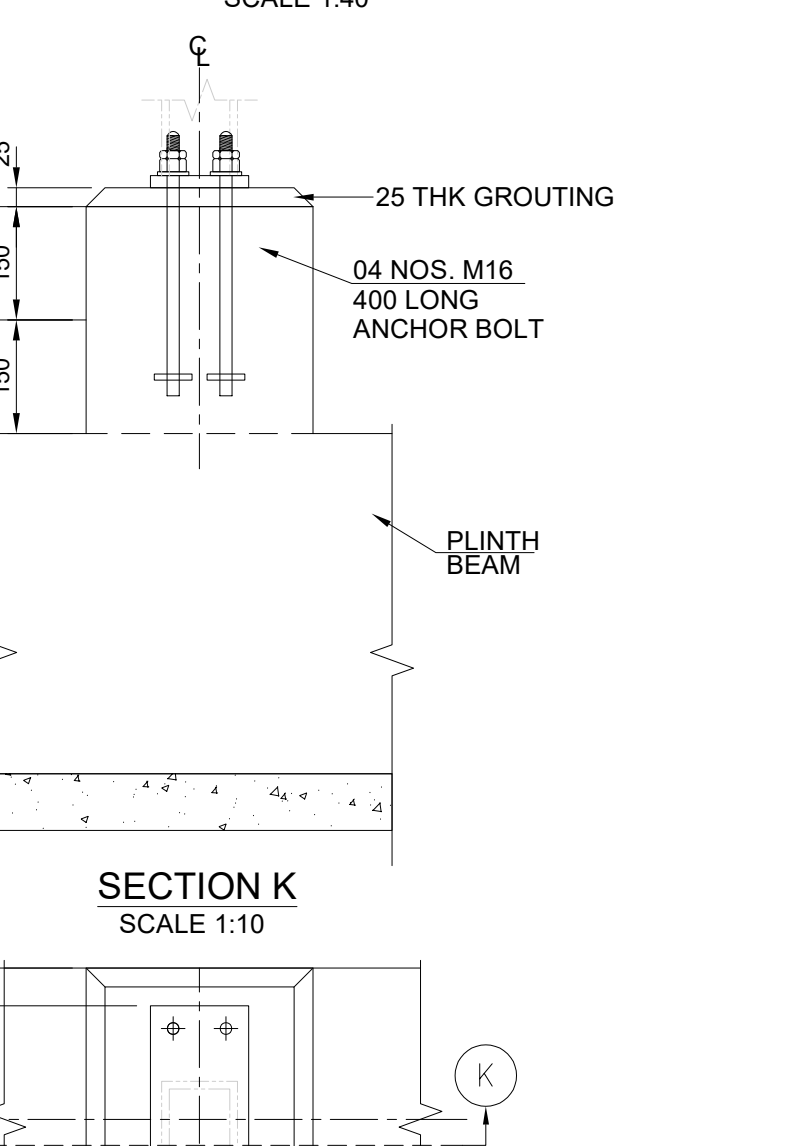
SECTION P17
SCALE 1:10



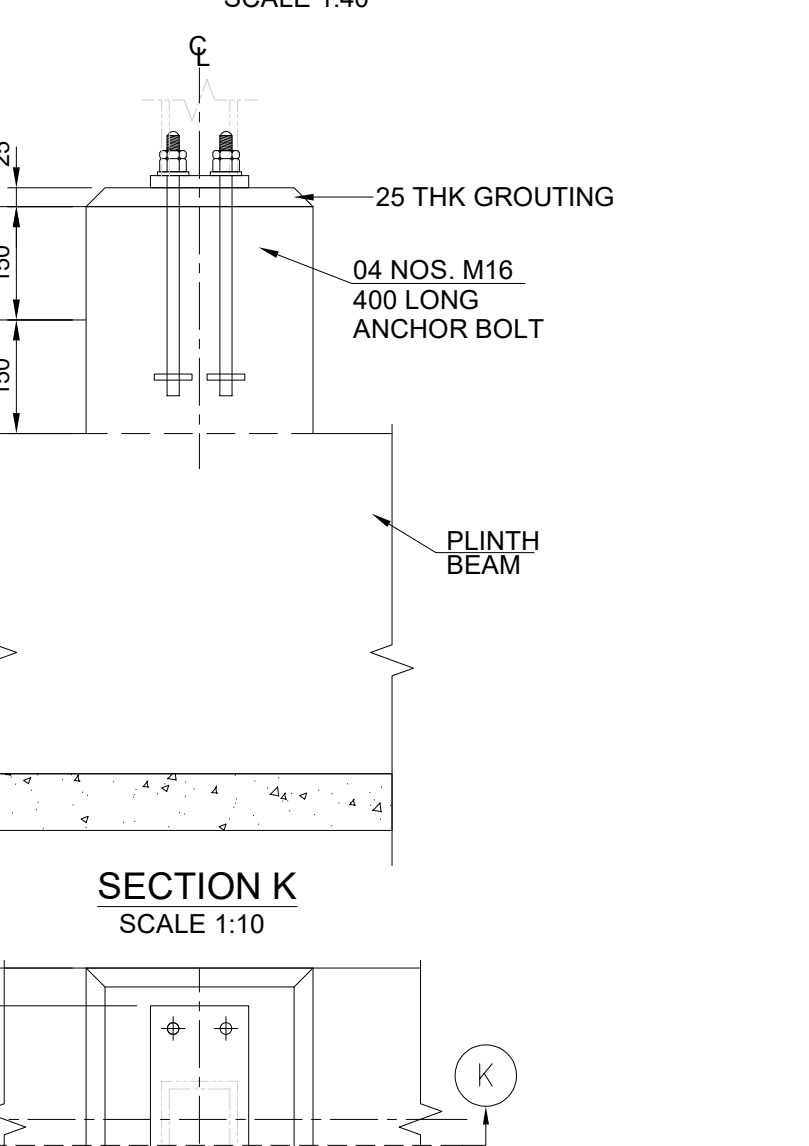
SECTION P18
SCALE 1:10



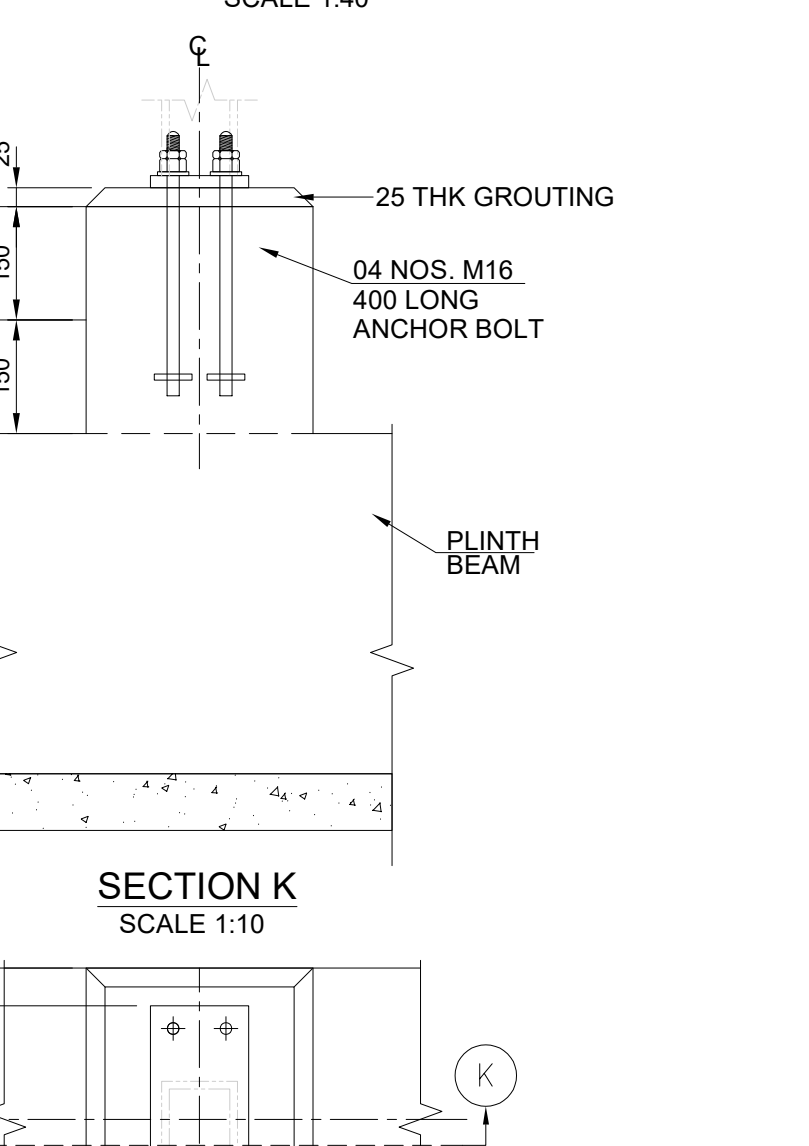
SECTION P19
SCALE 1:10



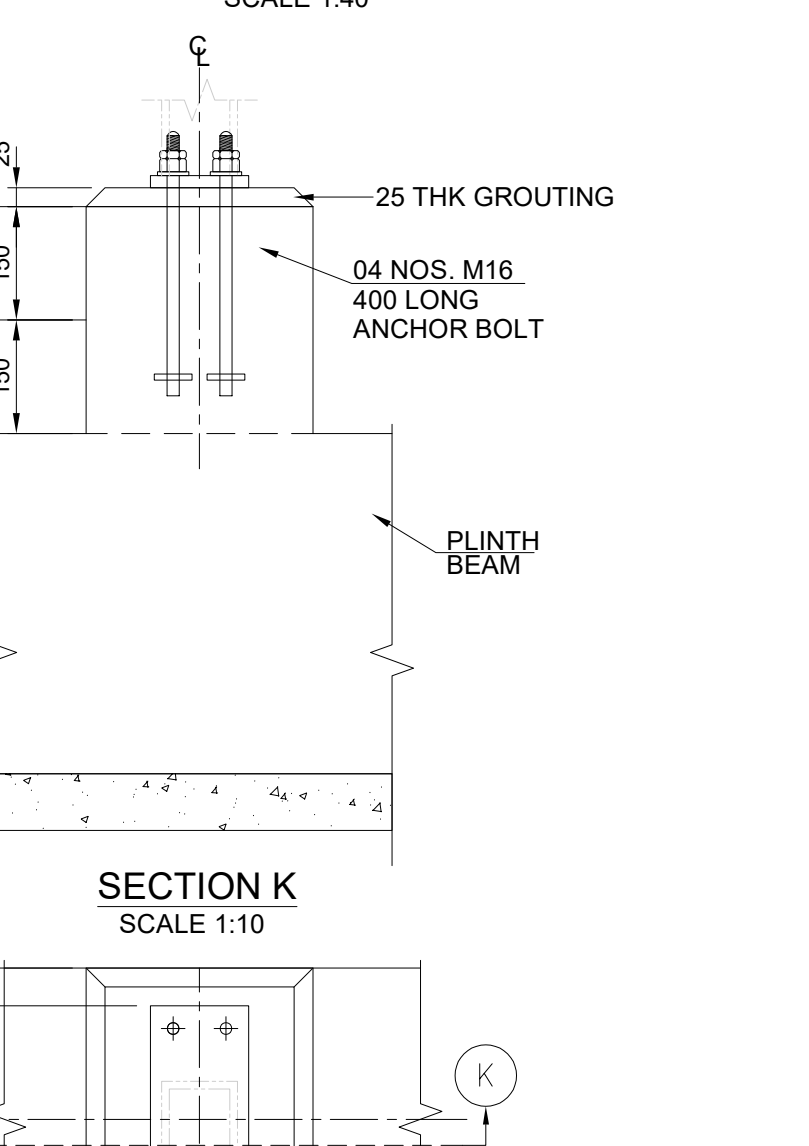
SECTION P20
SCALE 1:10



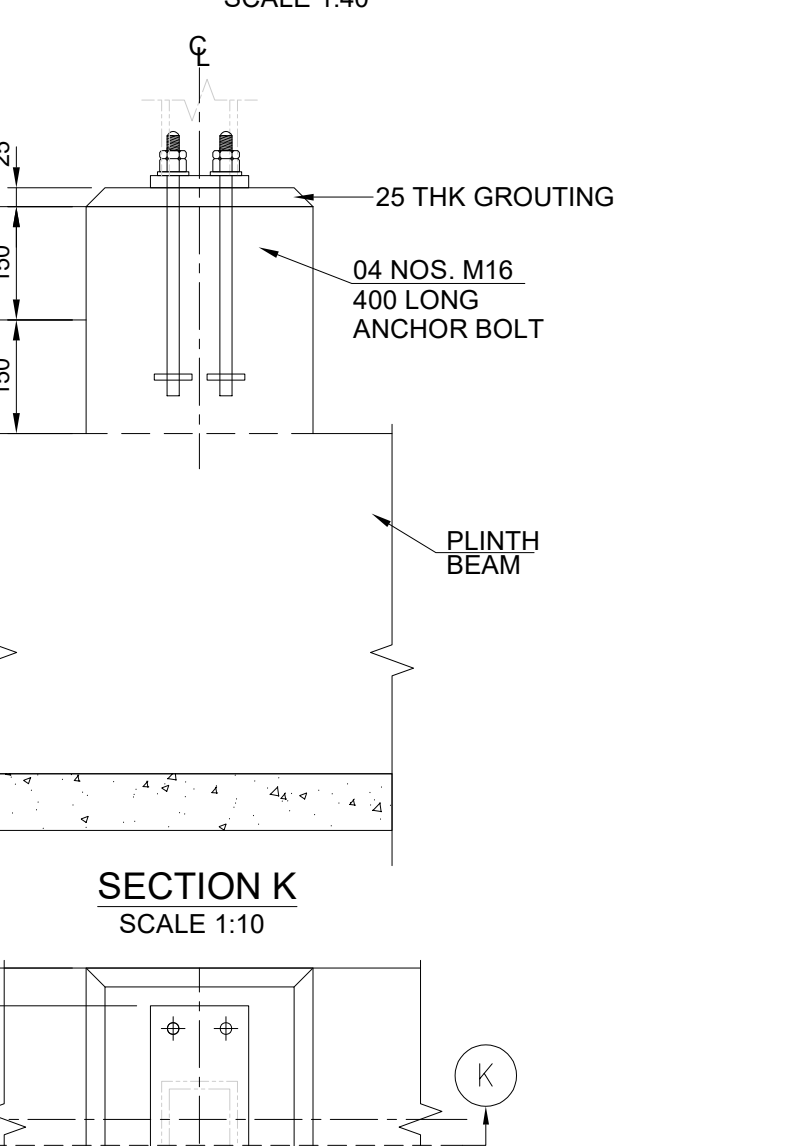
SECTION P21
SCALE 1:10



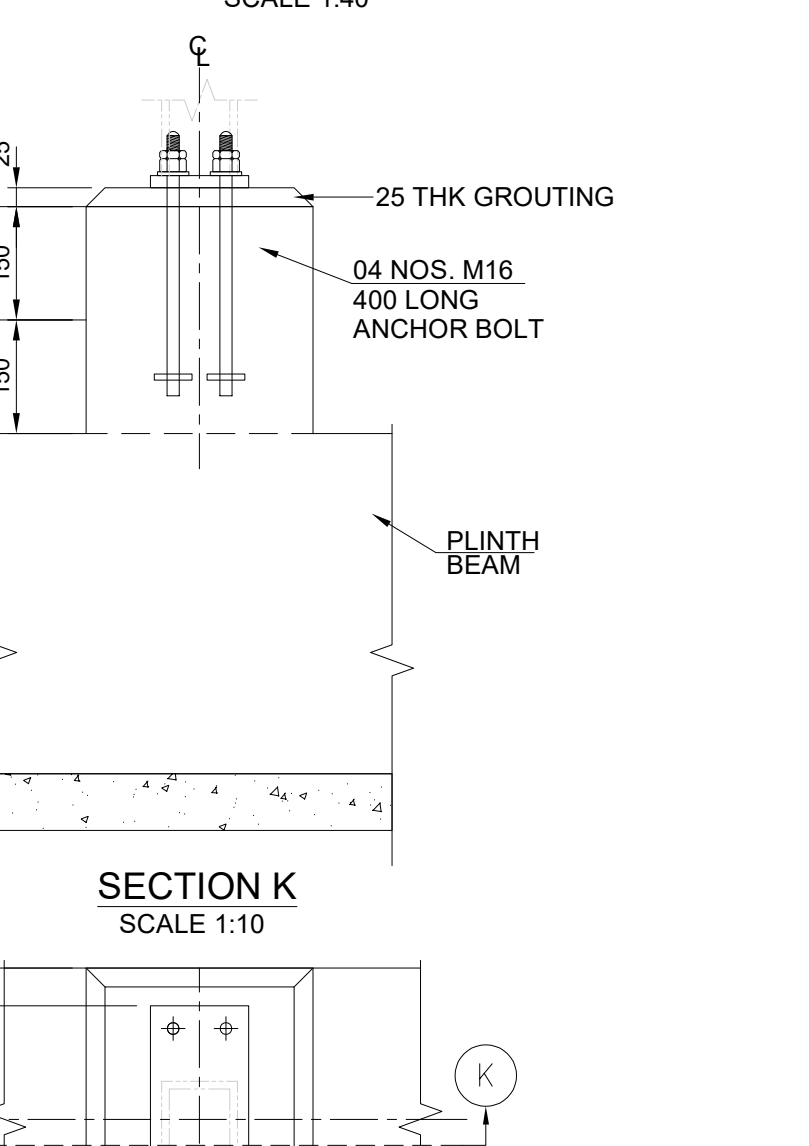
SECTION P22
SCALE 1:10



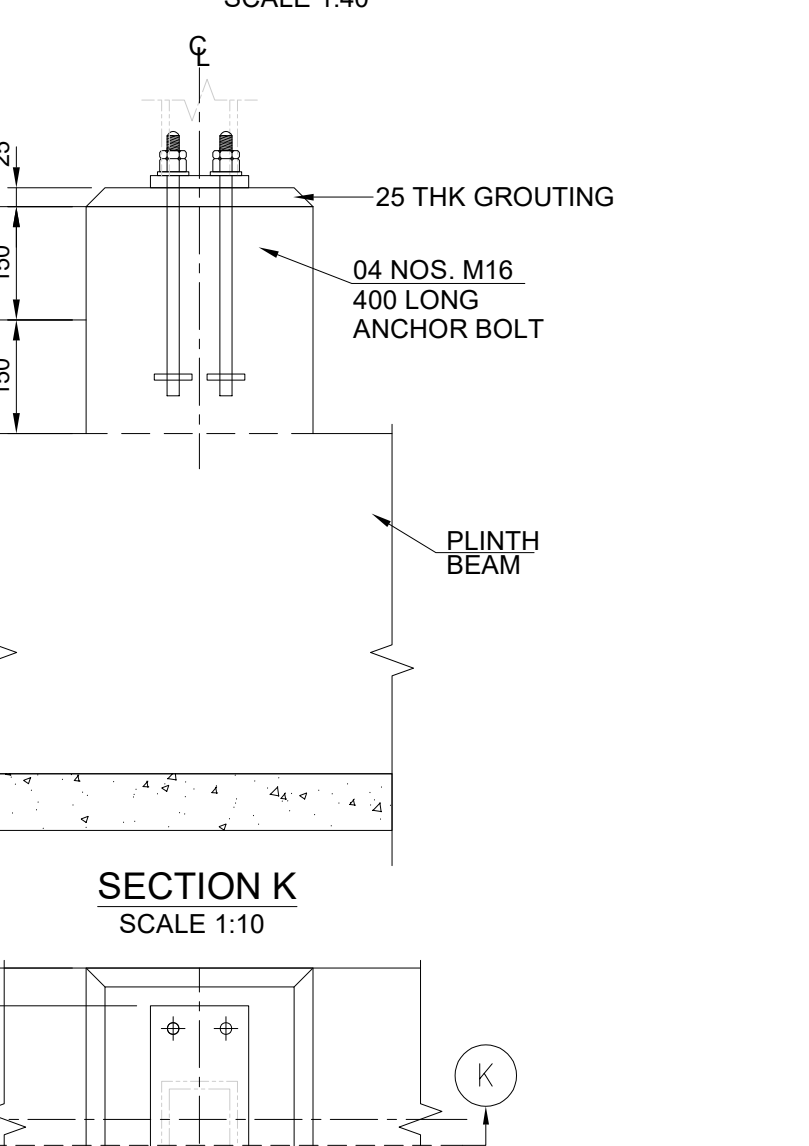
SECTION P23
SCALE 1:10



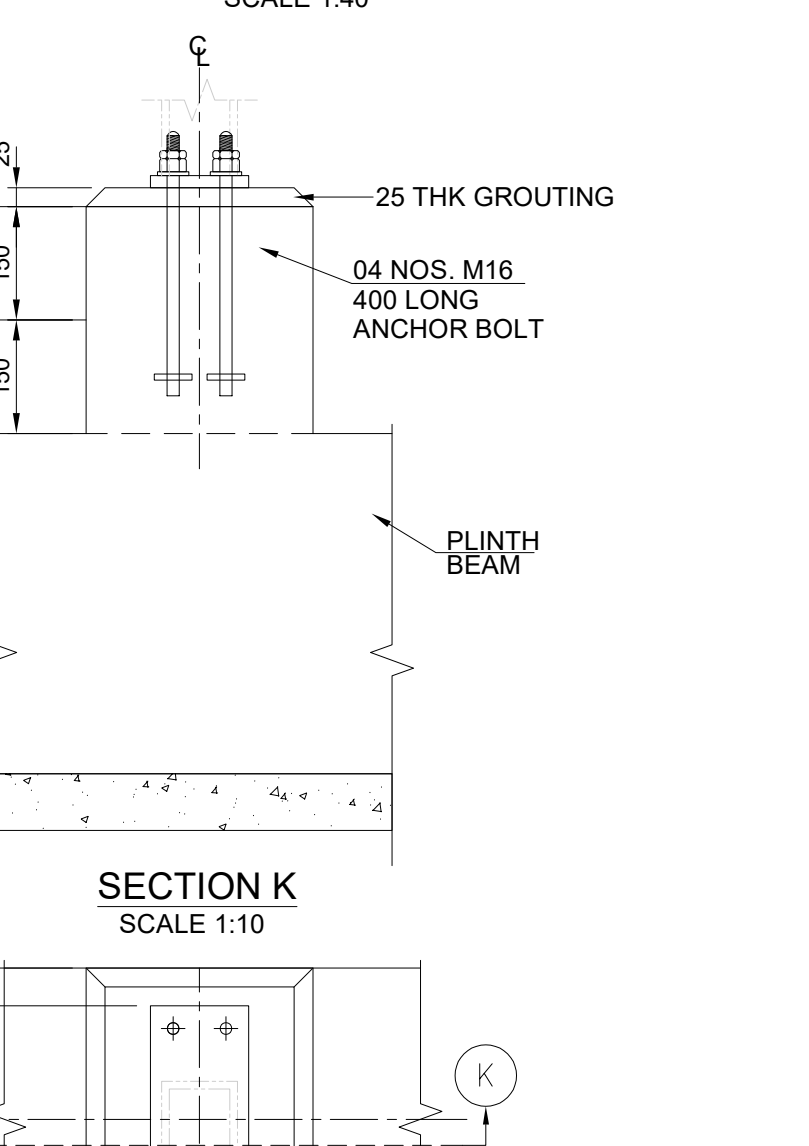
SECTION P24
SCALE 1:10



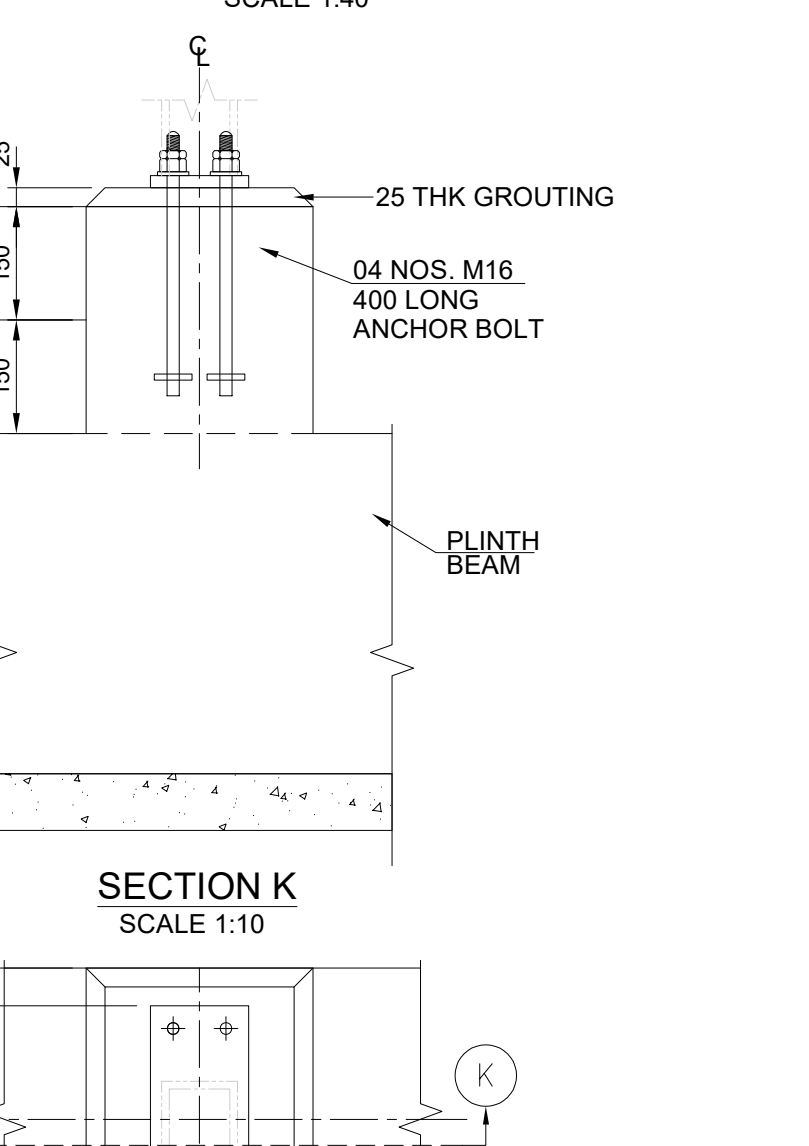
SECTION P25
SCALE 1:10



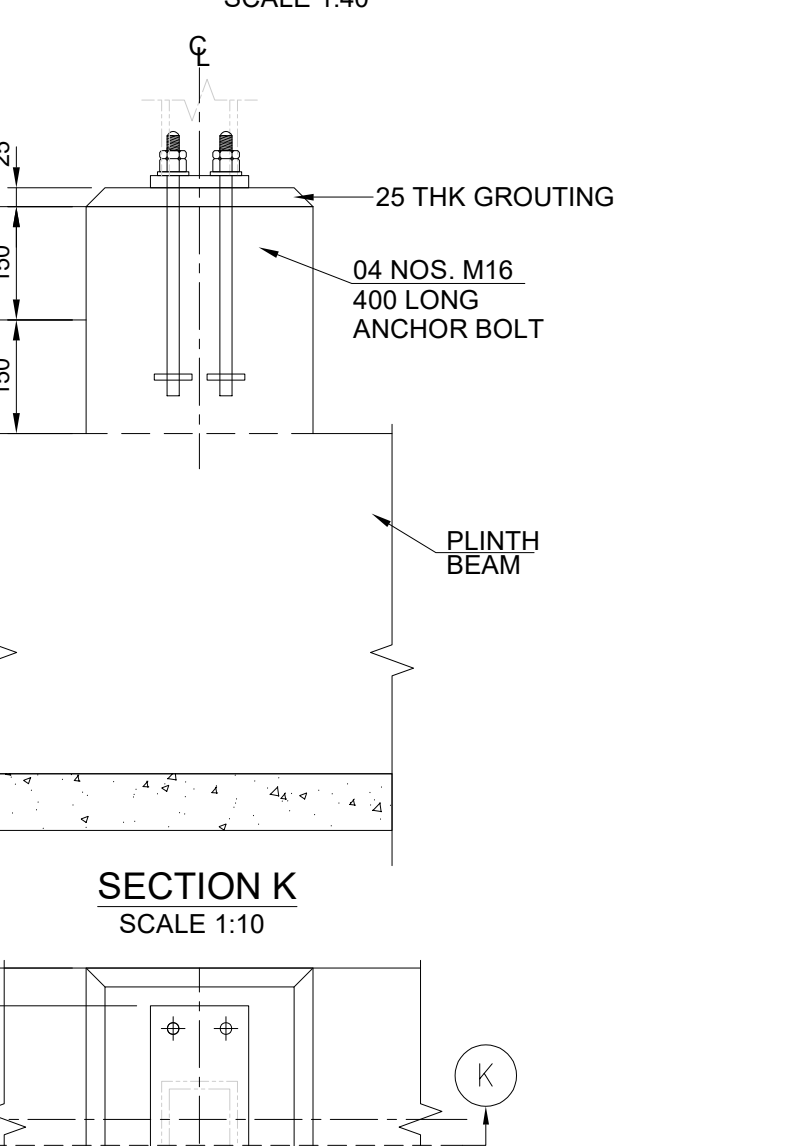
SECTION P26
SCALE 1:10



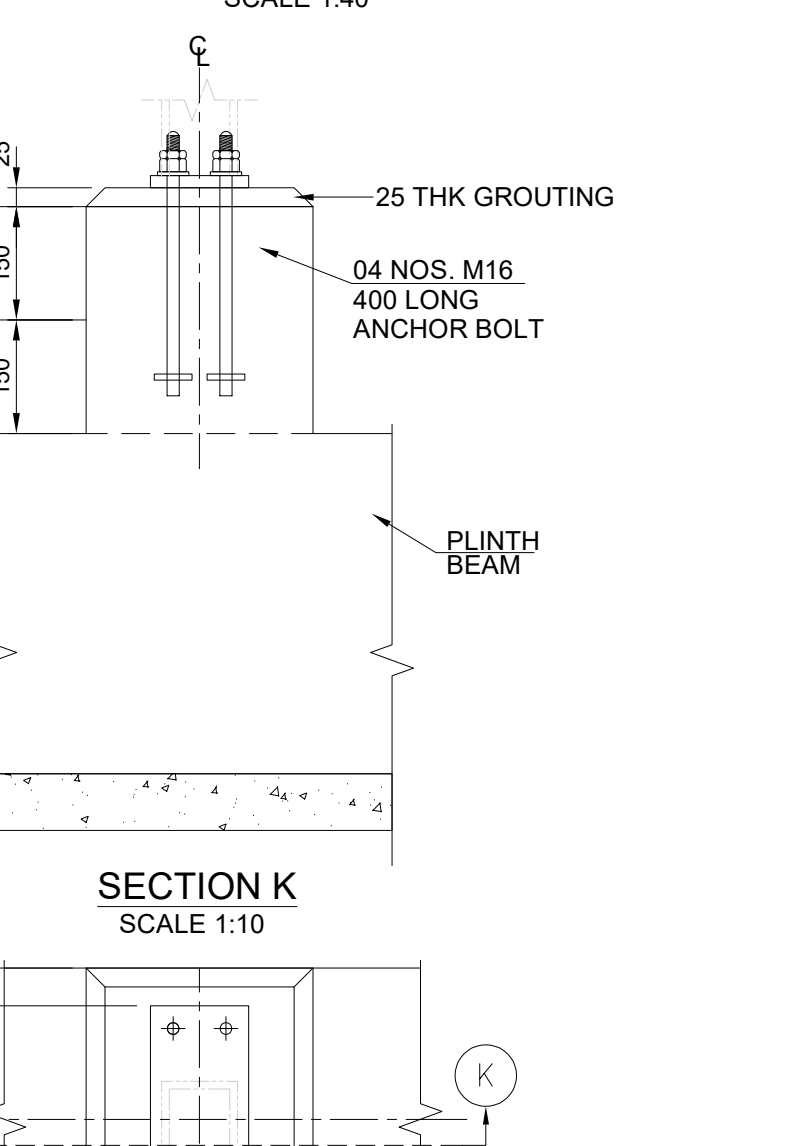
SECTION P27
SCALE 1:10



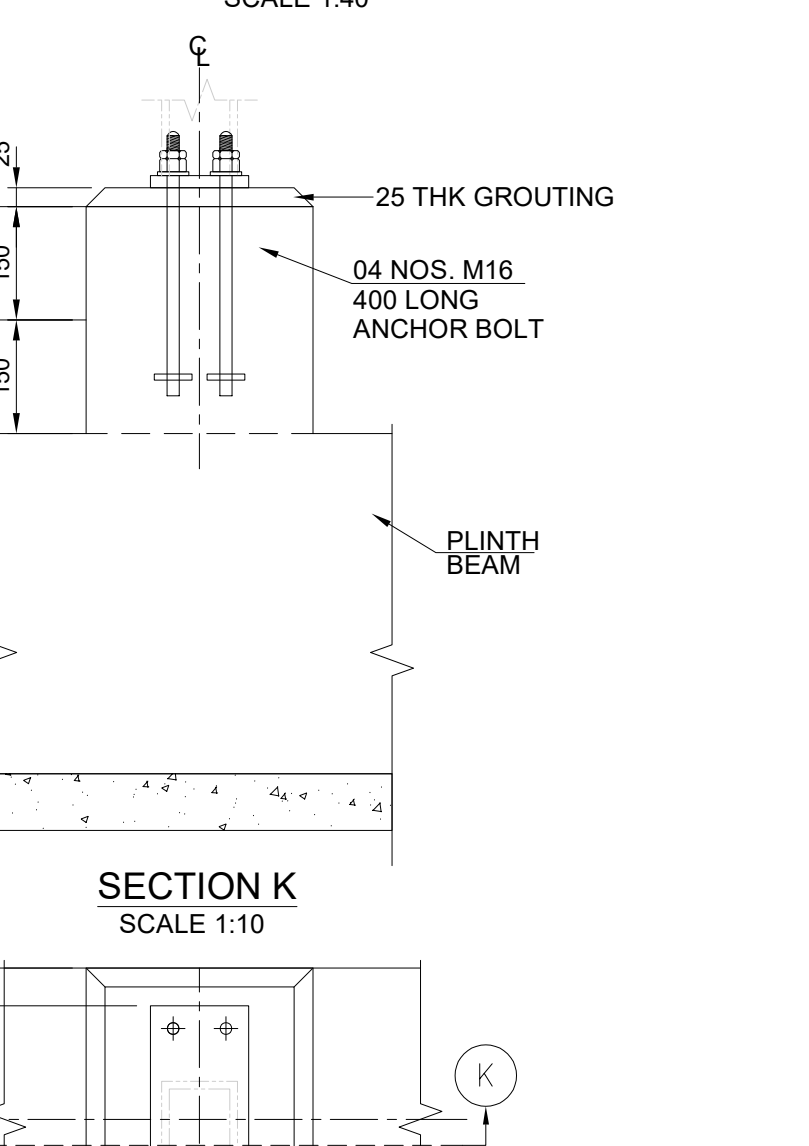
SECTION P28
SCALE 1:10



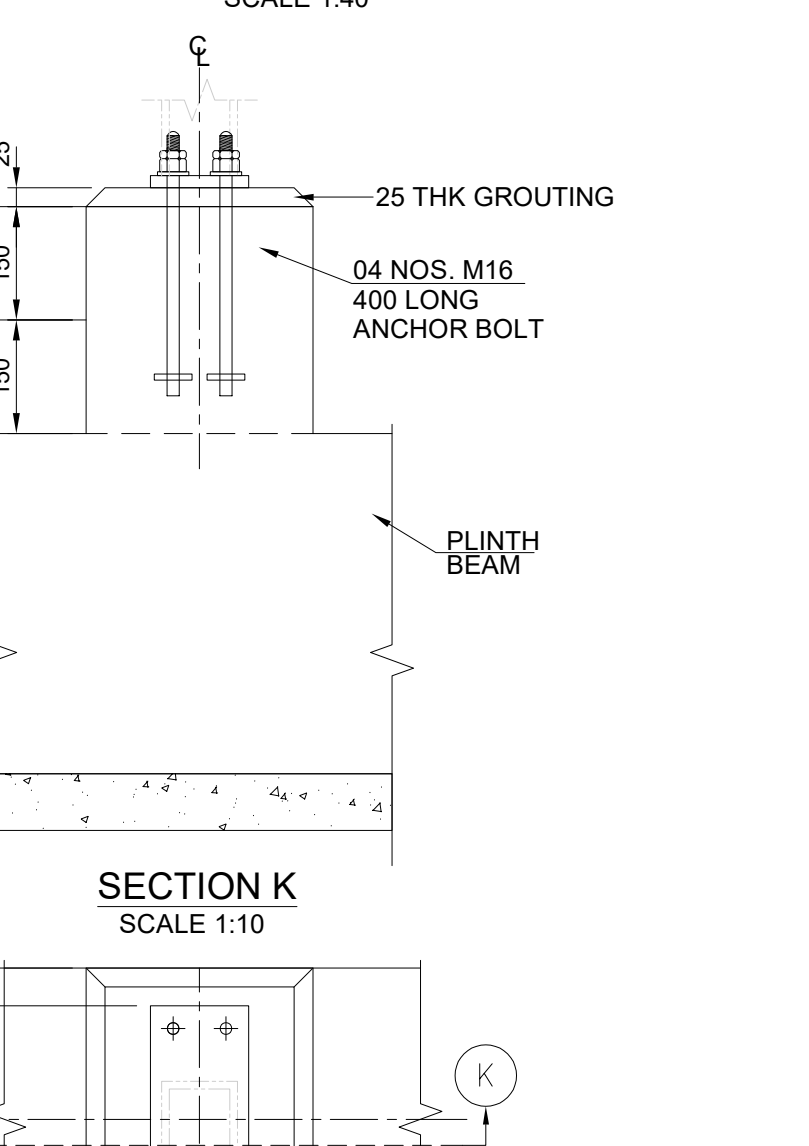
SECTION P29
SCALE 1:10



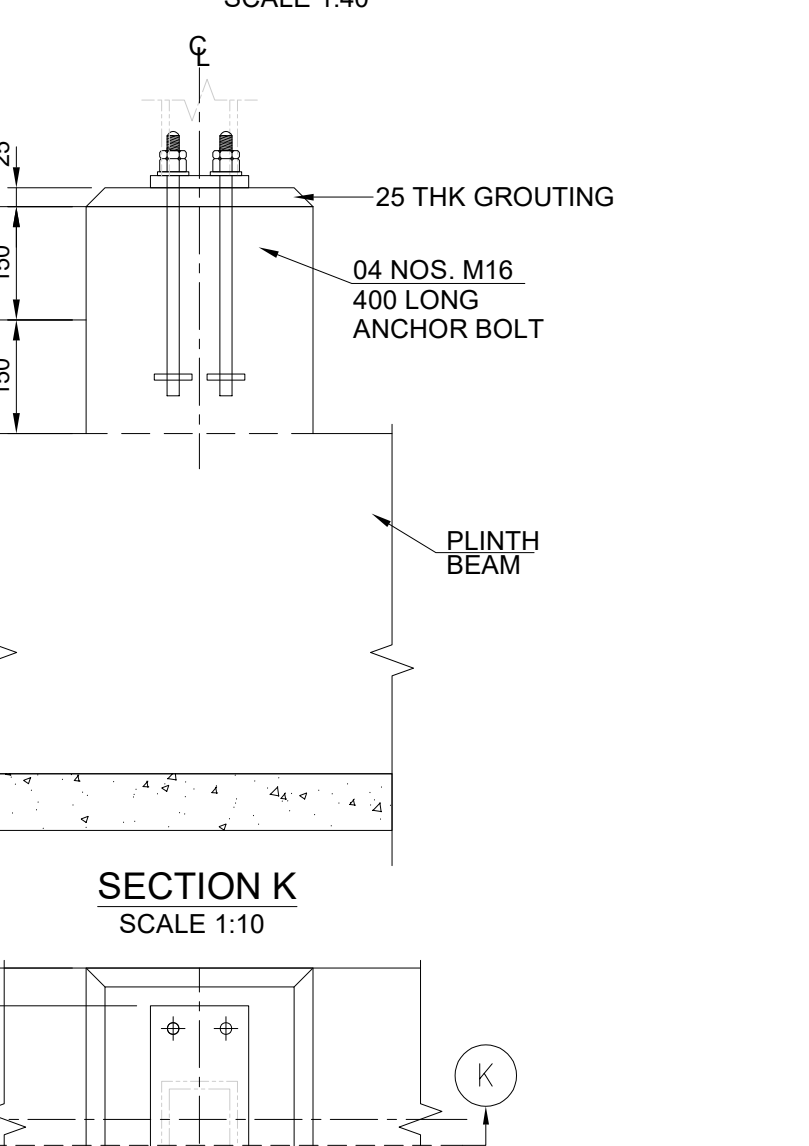
SECTION P30
SCALE 1:10



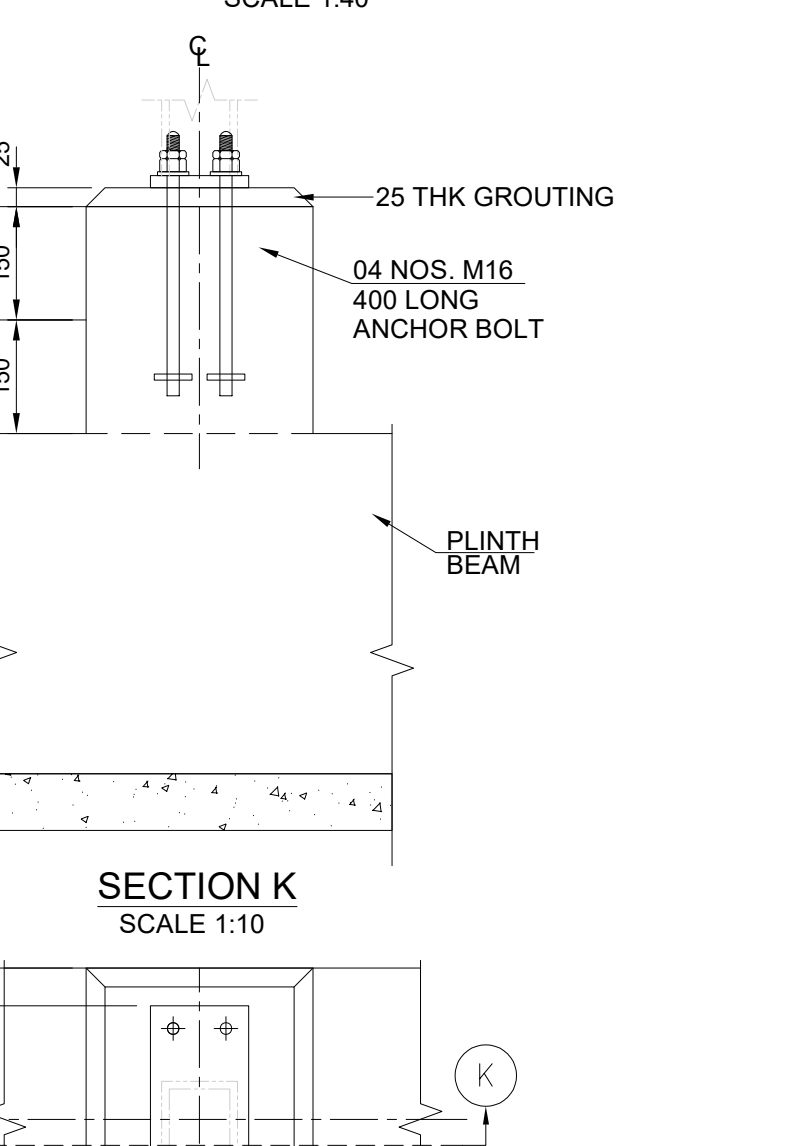
SECTION P31
SCALE 1:10



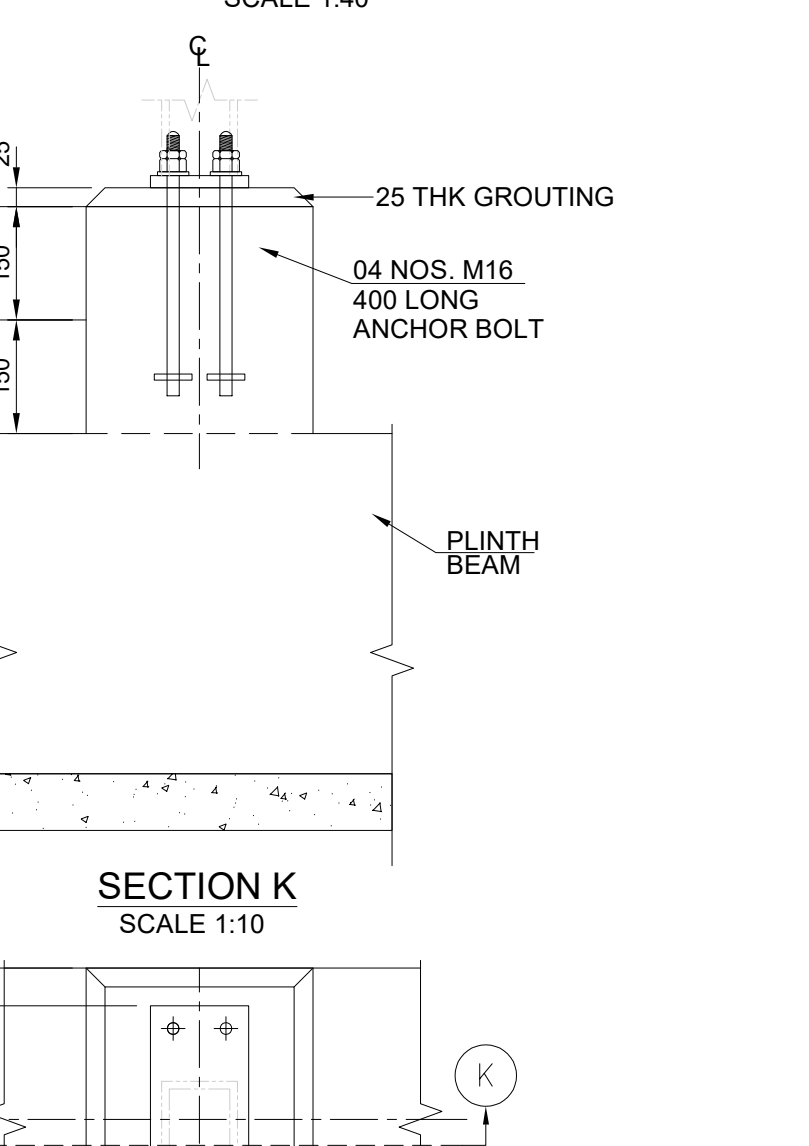
SECTION P32
SCALE 1:10



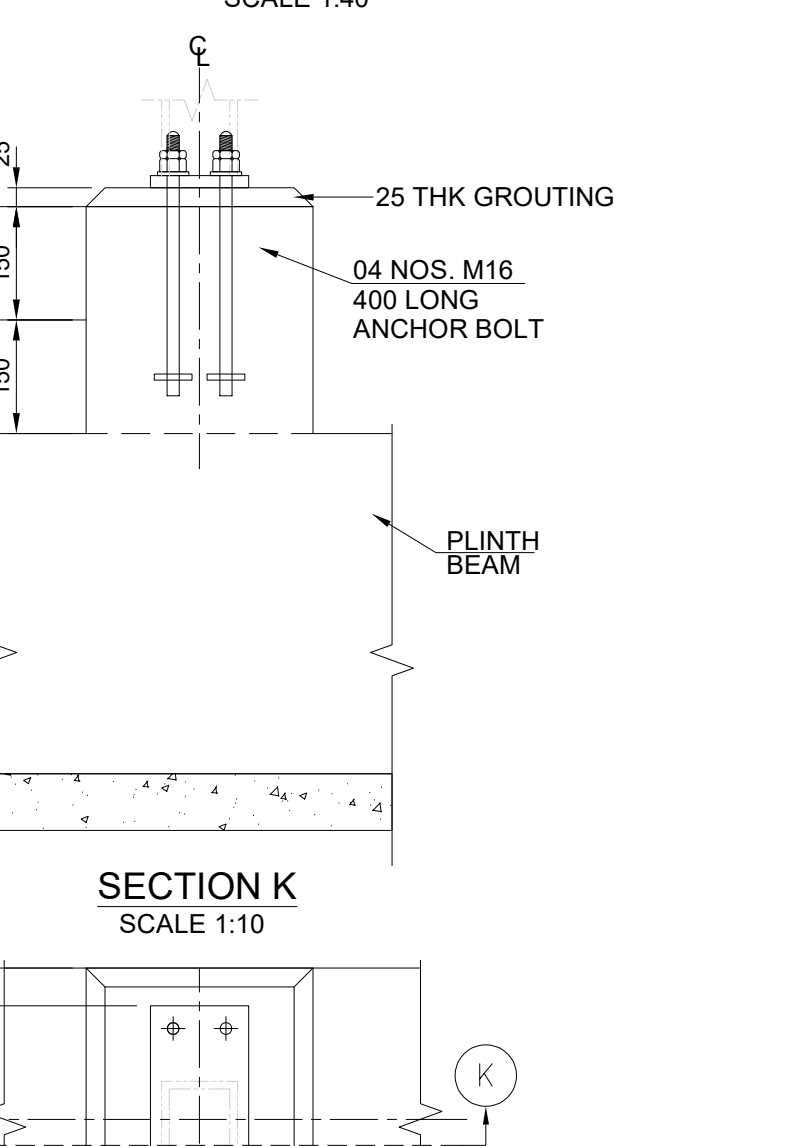
SECTION P33
SCALE 1:10



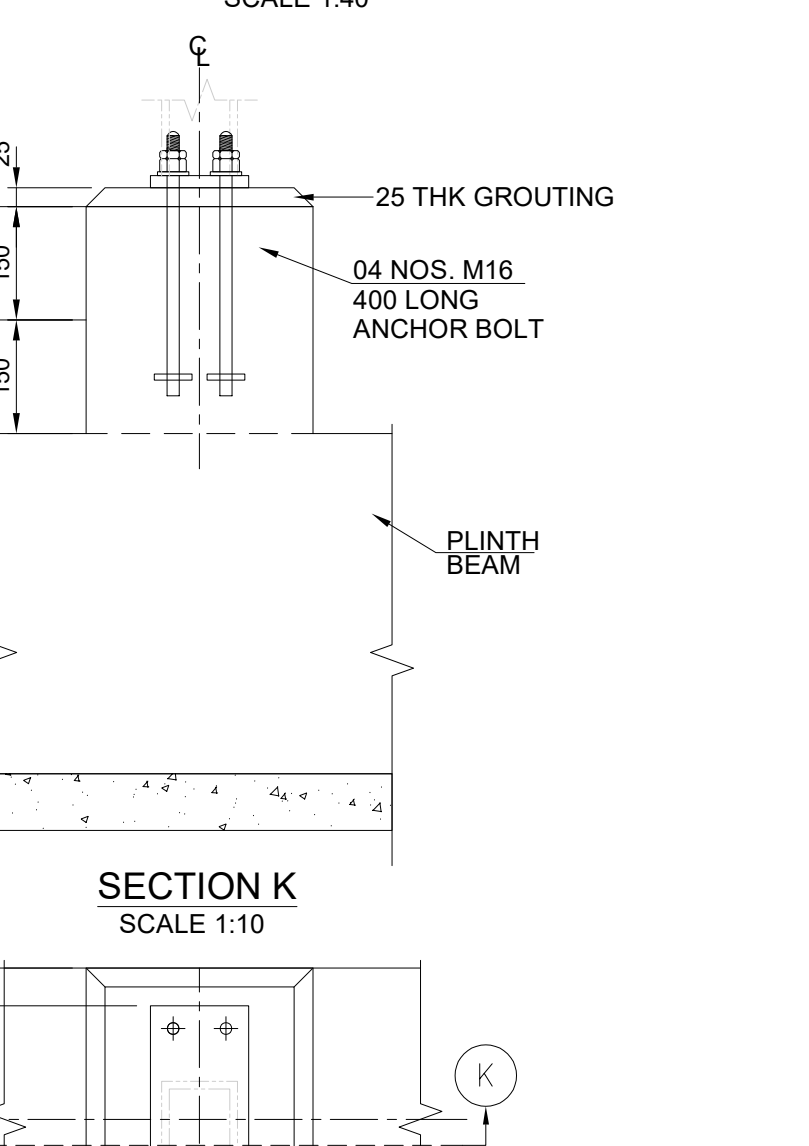
SECTION P34
SCALE 1:10



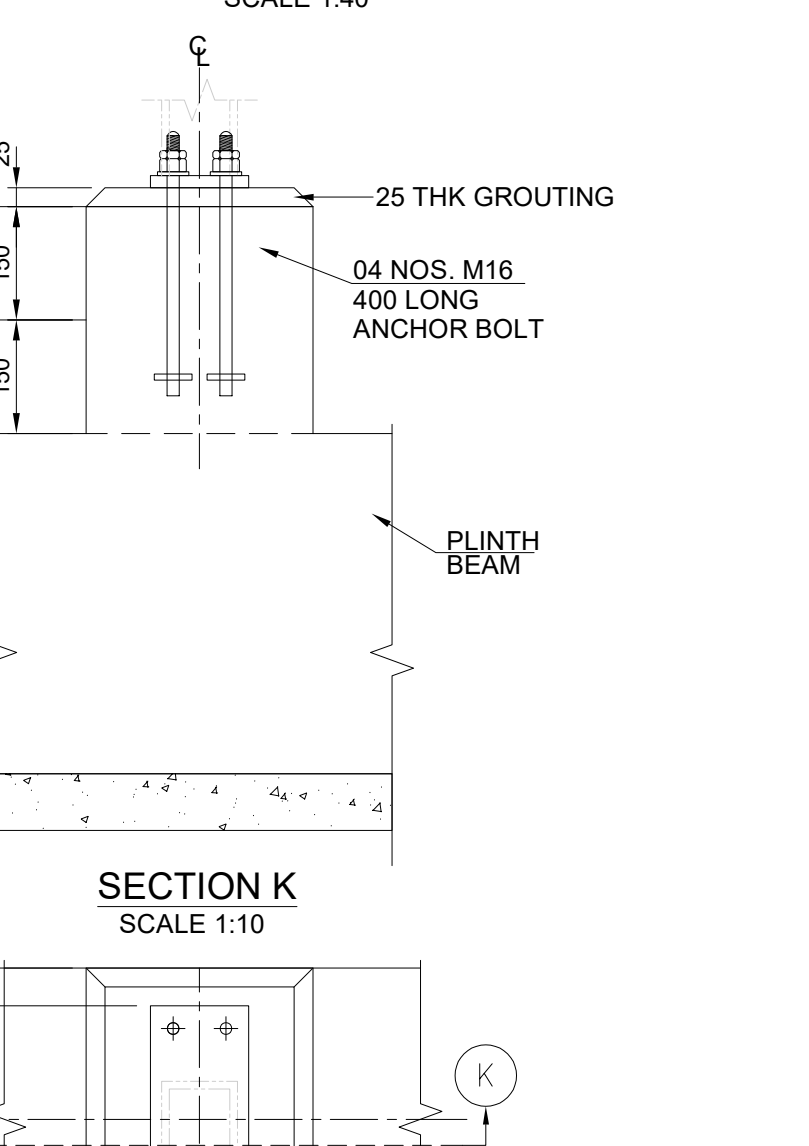
SECTION P35
SCALE 1:10



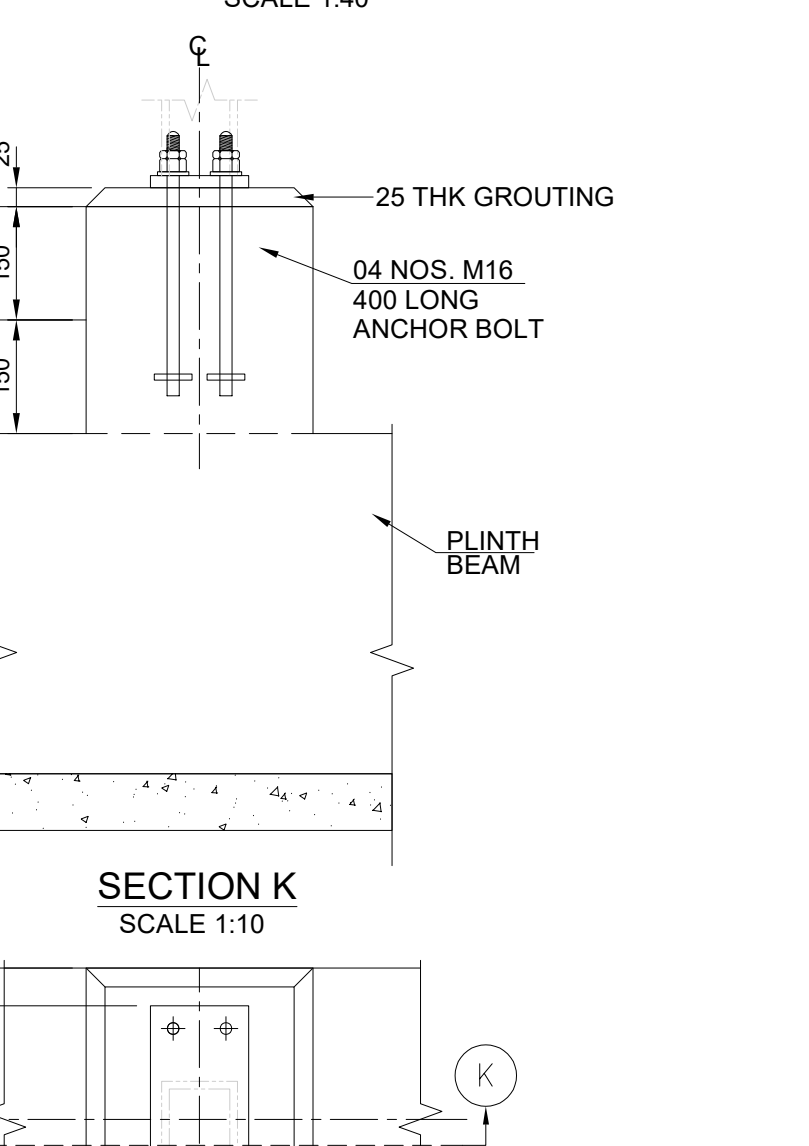
SECTION P36
SCALE 1:10



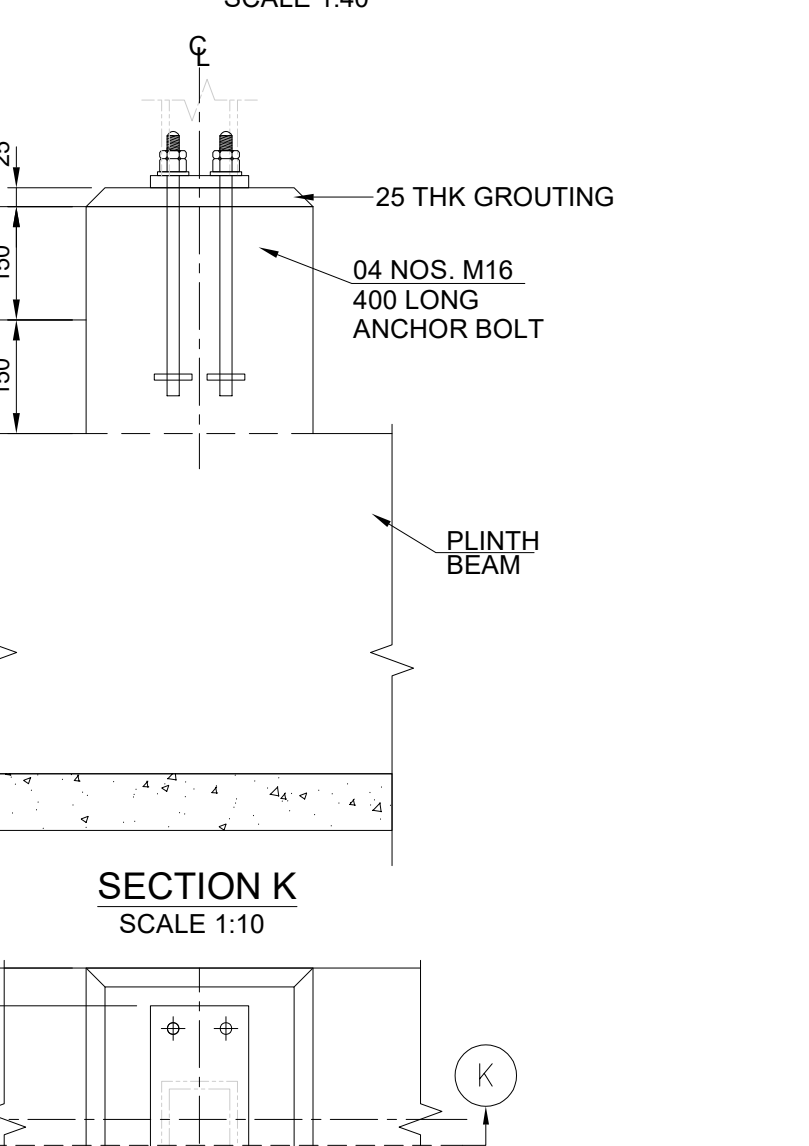
SECTION P37
SCALE 1:10



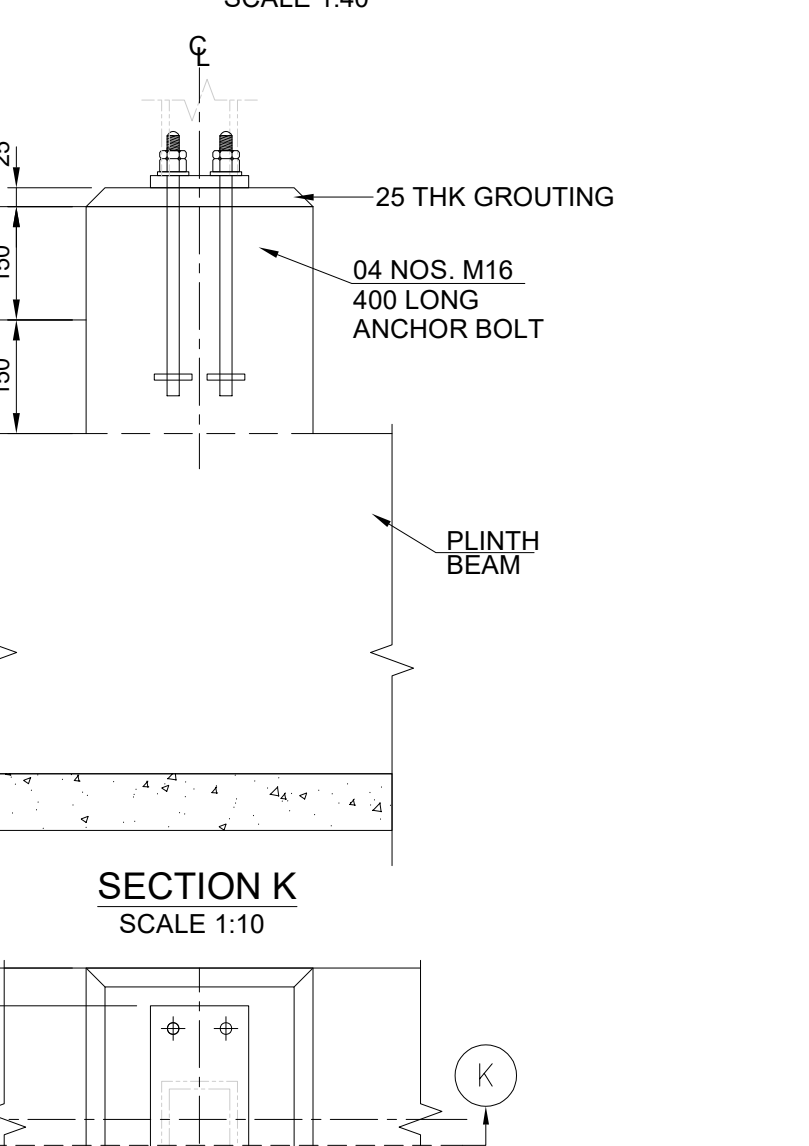
SECTION P38
SCALE 1:10



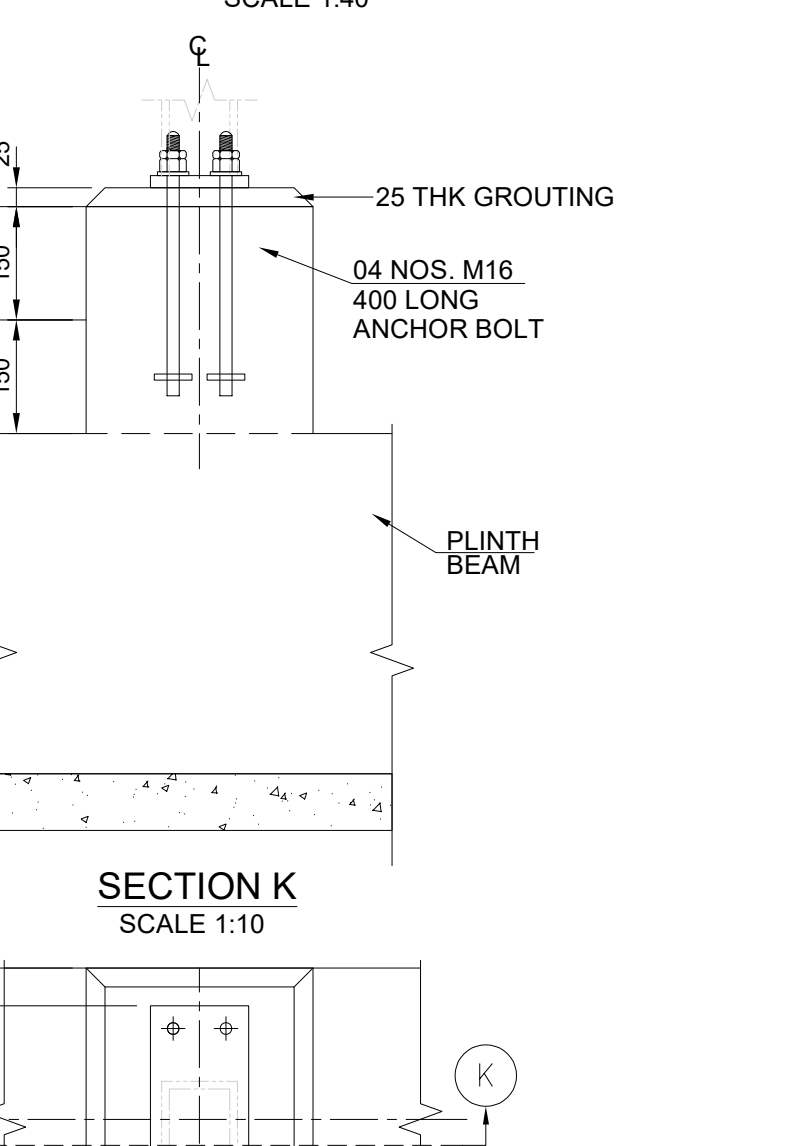
SECTION P39
SCALE 1:10



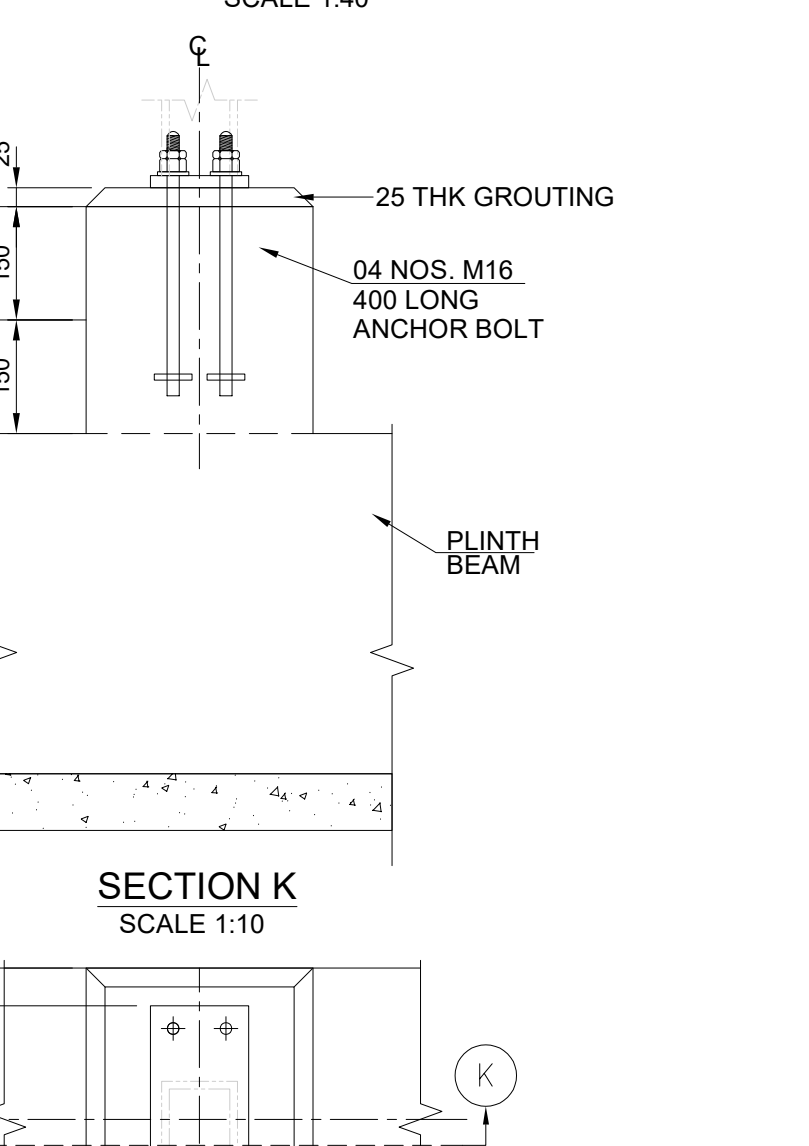
SECTION P40
SCALE 1:10



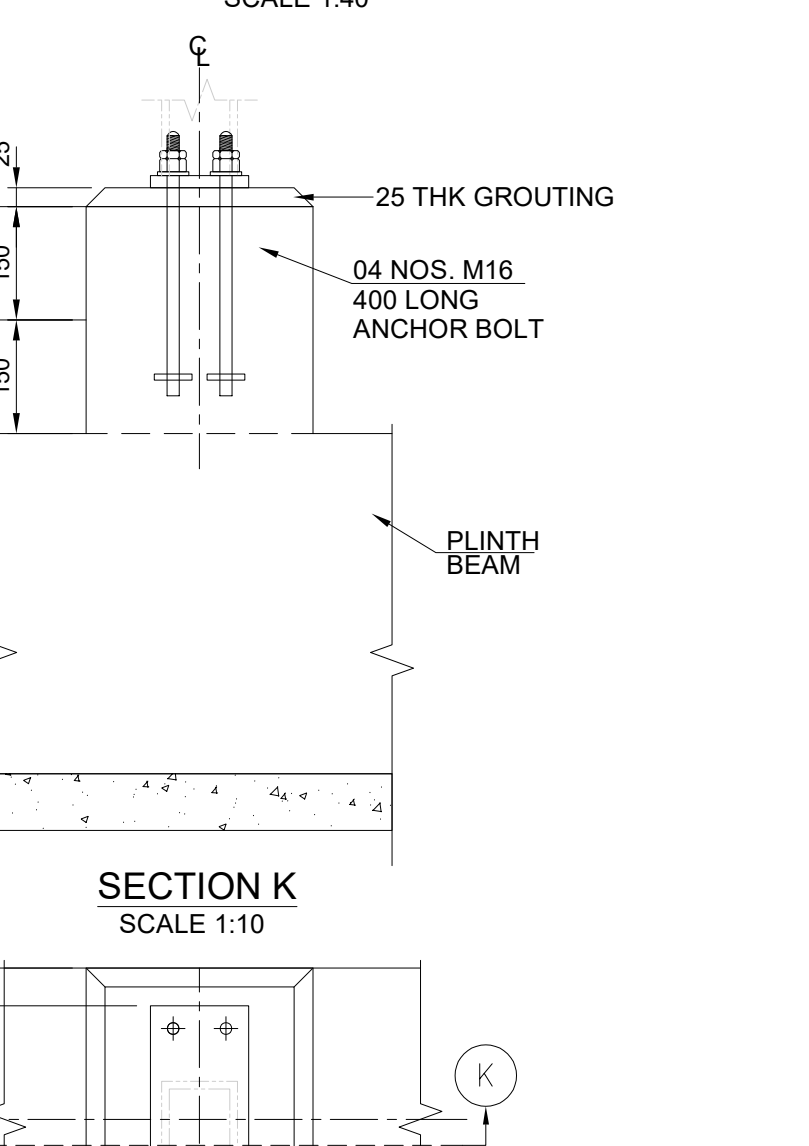
SECTION P41
SCALE 1:10



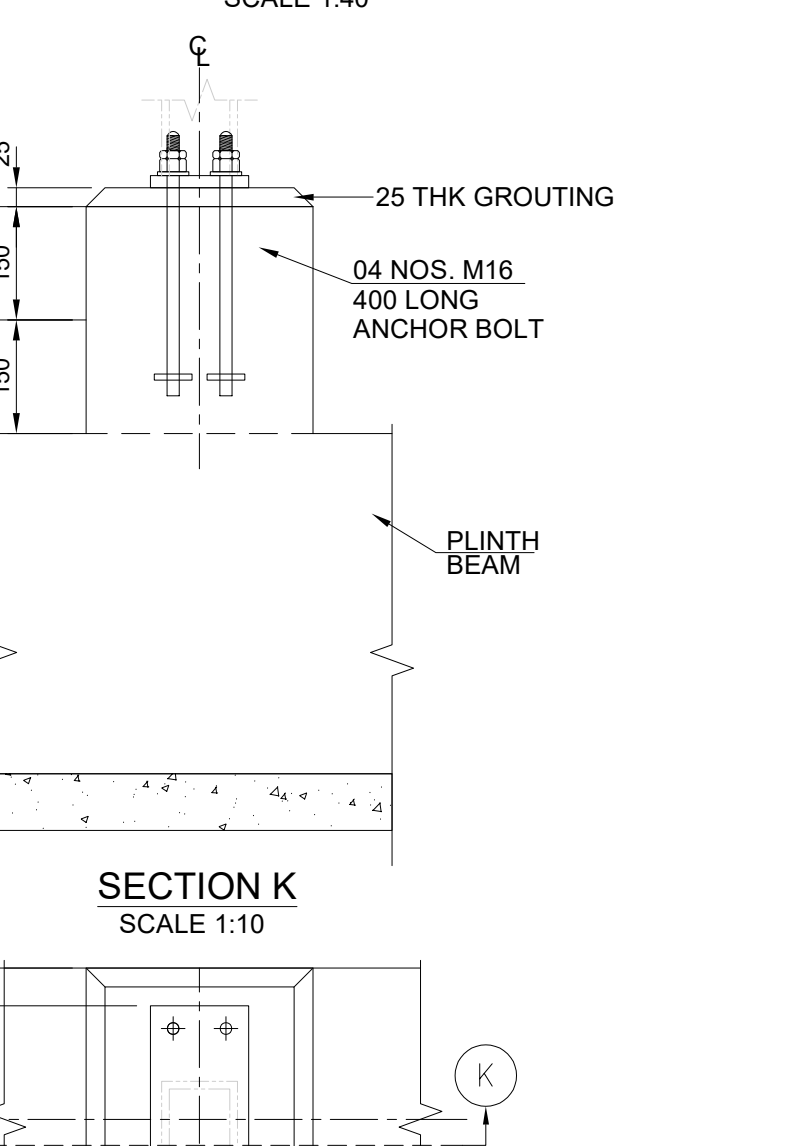
SECTION P42
SCALE 1:10



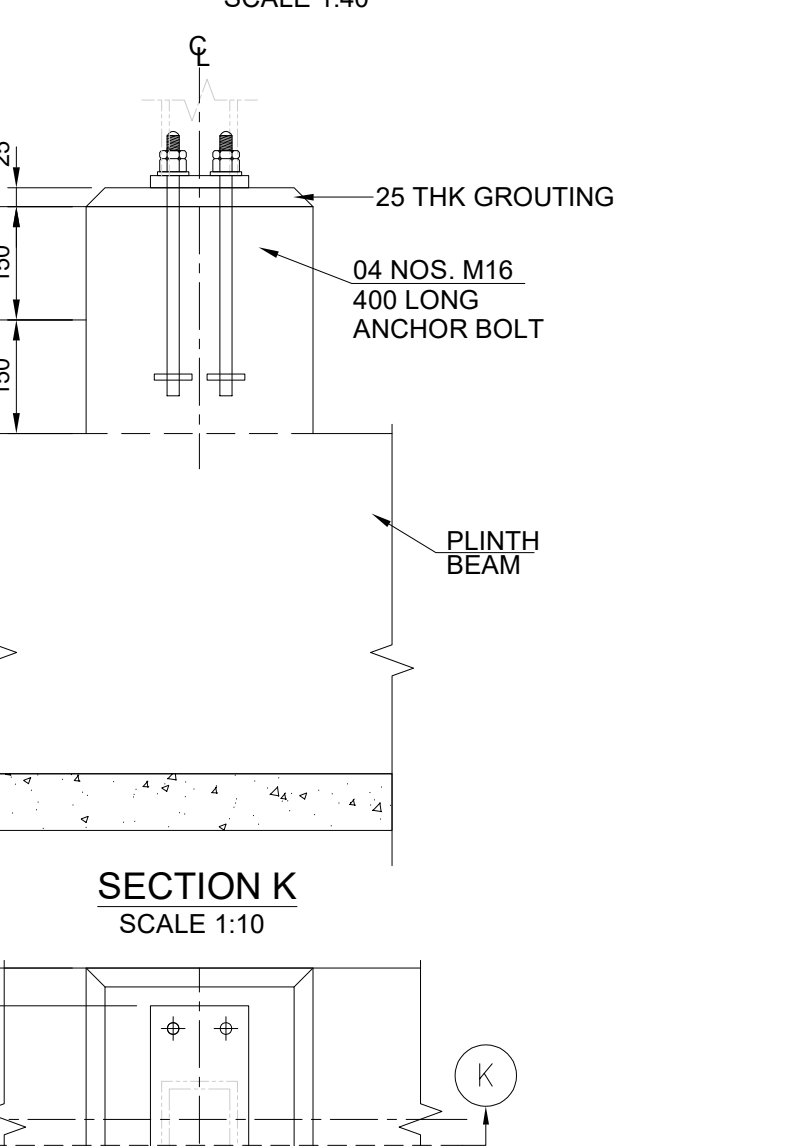
SECTION P43
SCALE 1:10



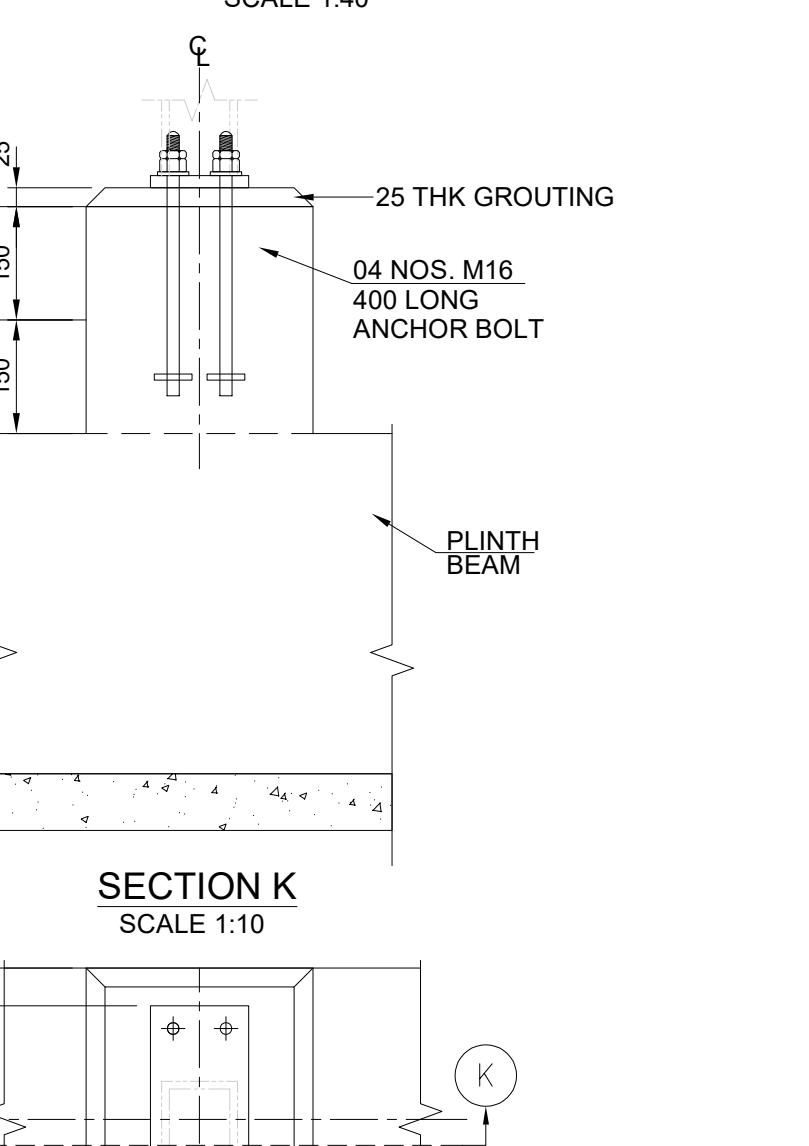
SECTION P44
SCALE 1:10



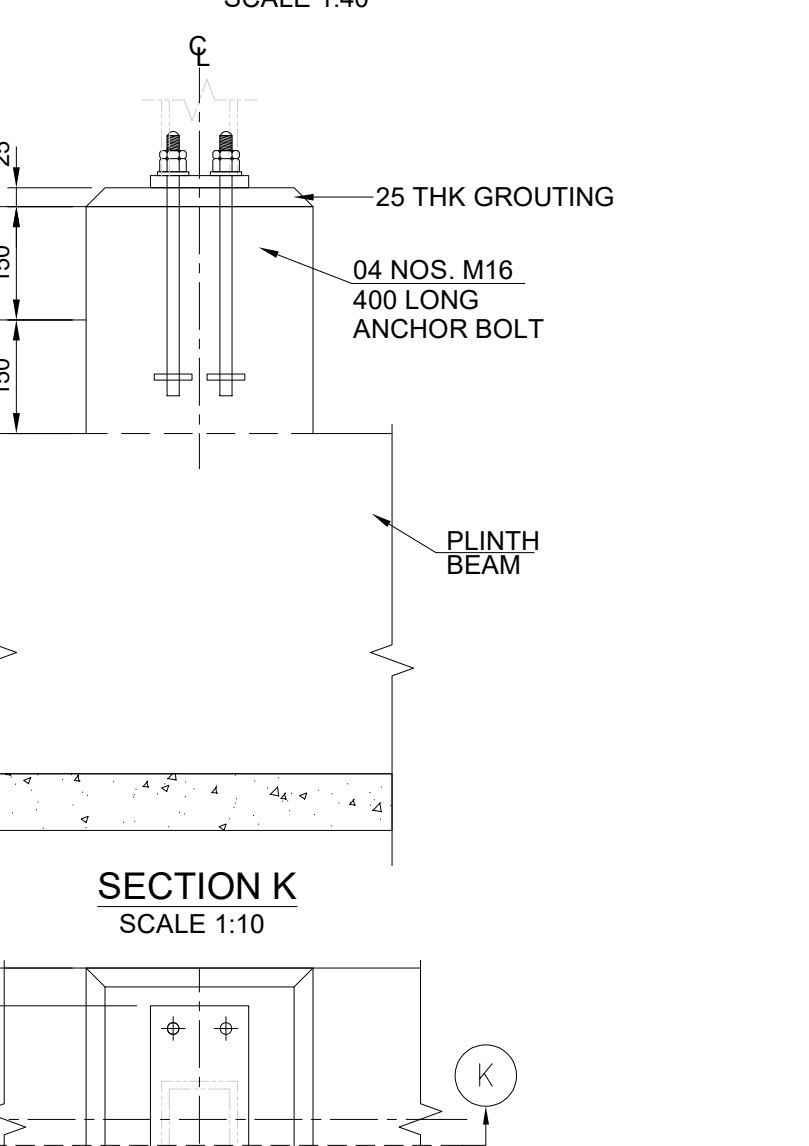
SECTION P45
SCALE 1:10



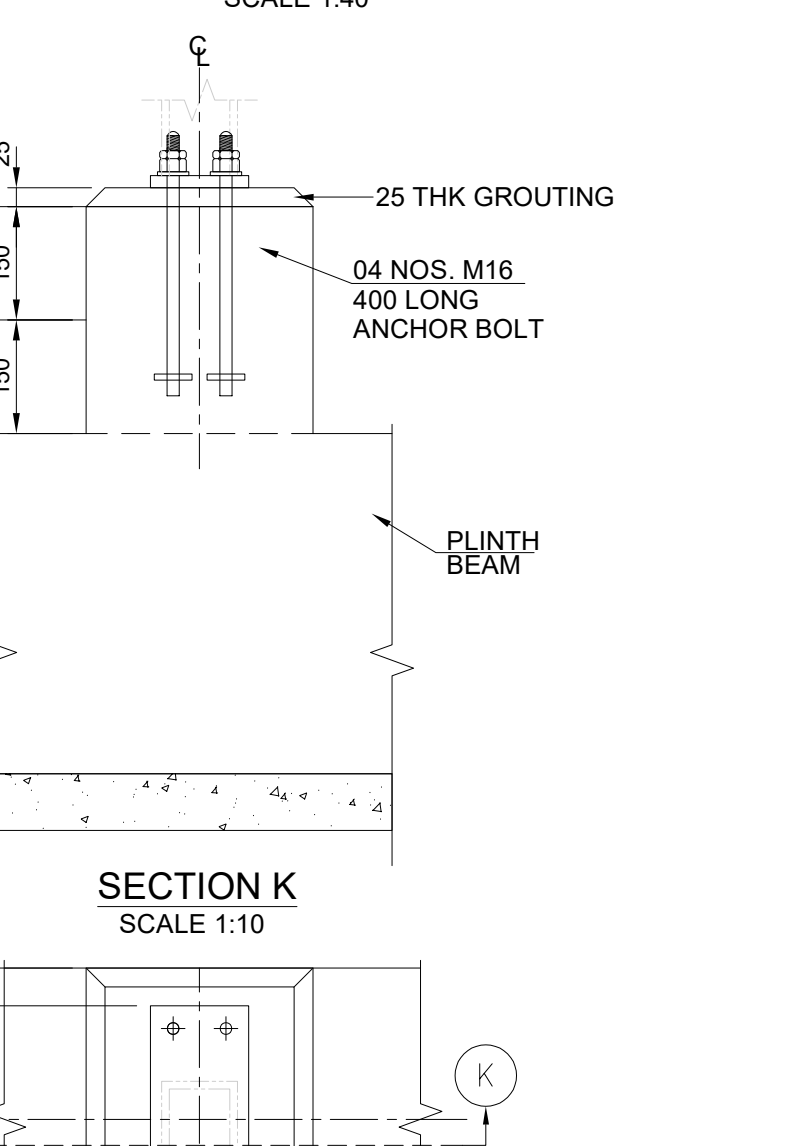
SECTION P46
SCALE 1:10



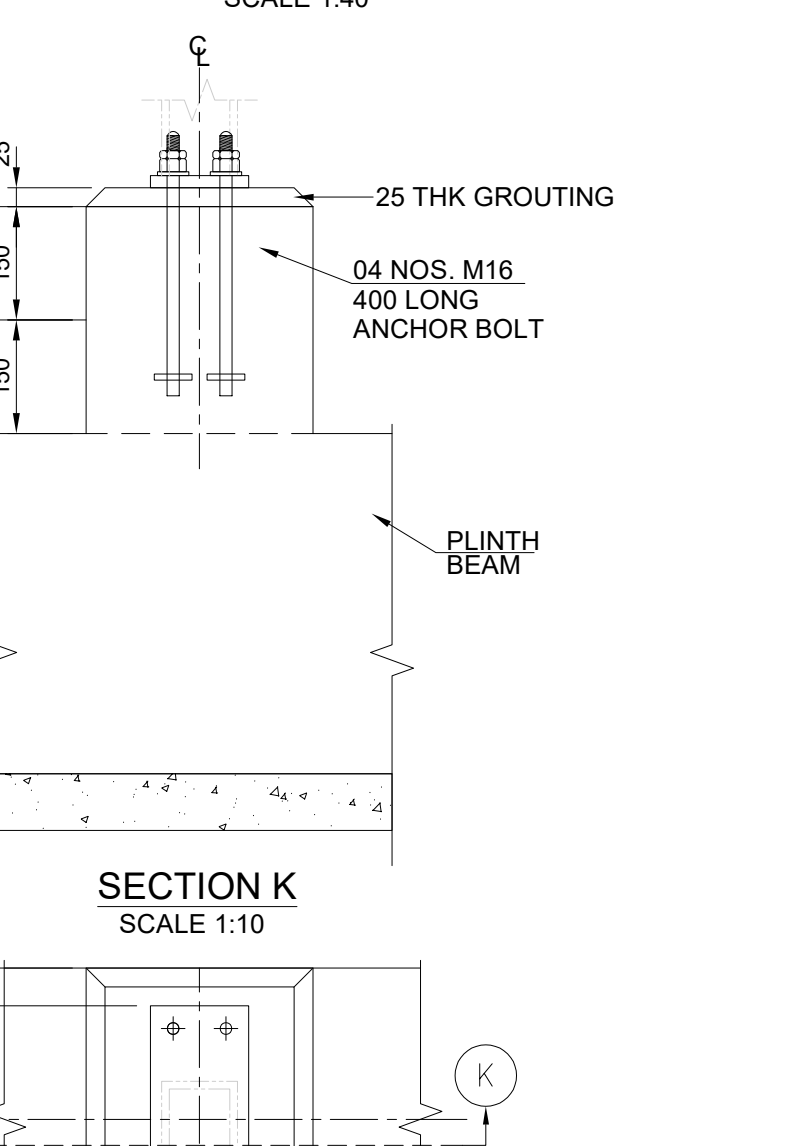
SECTION P47
SCALE 1:10



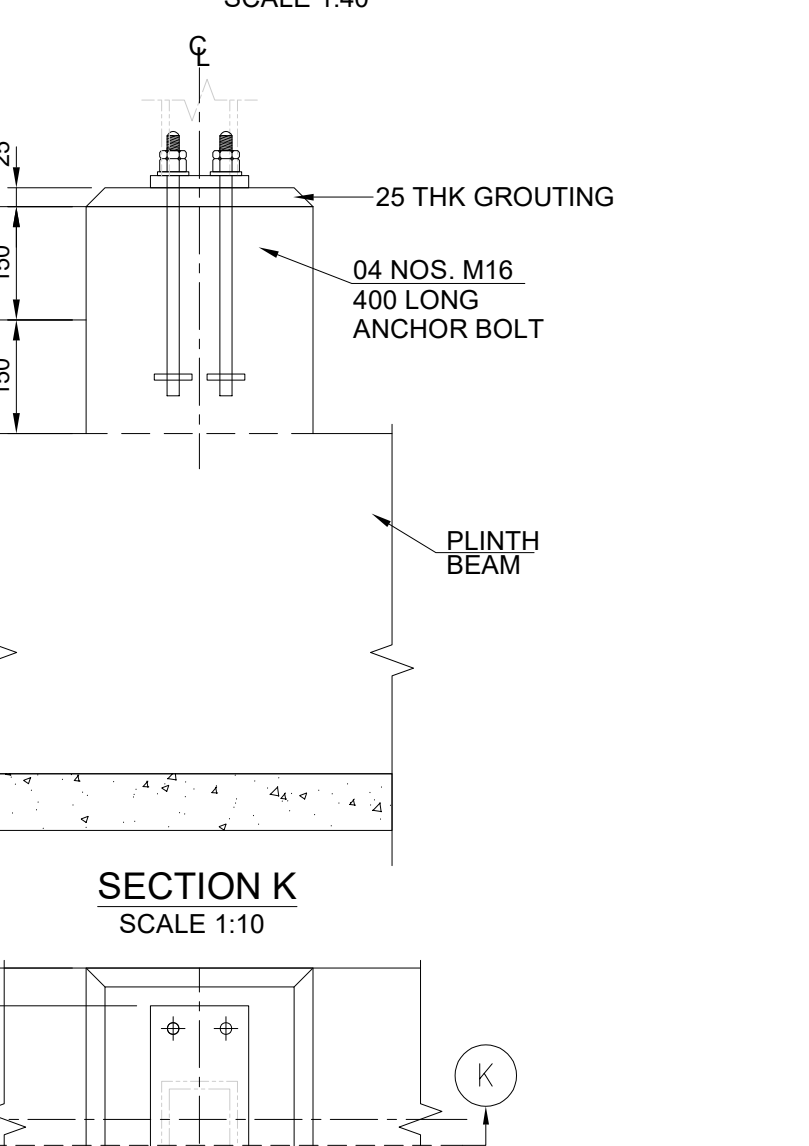
SECTION P48
SCALE 1:10



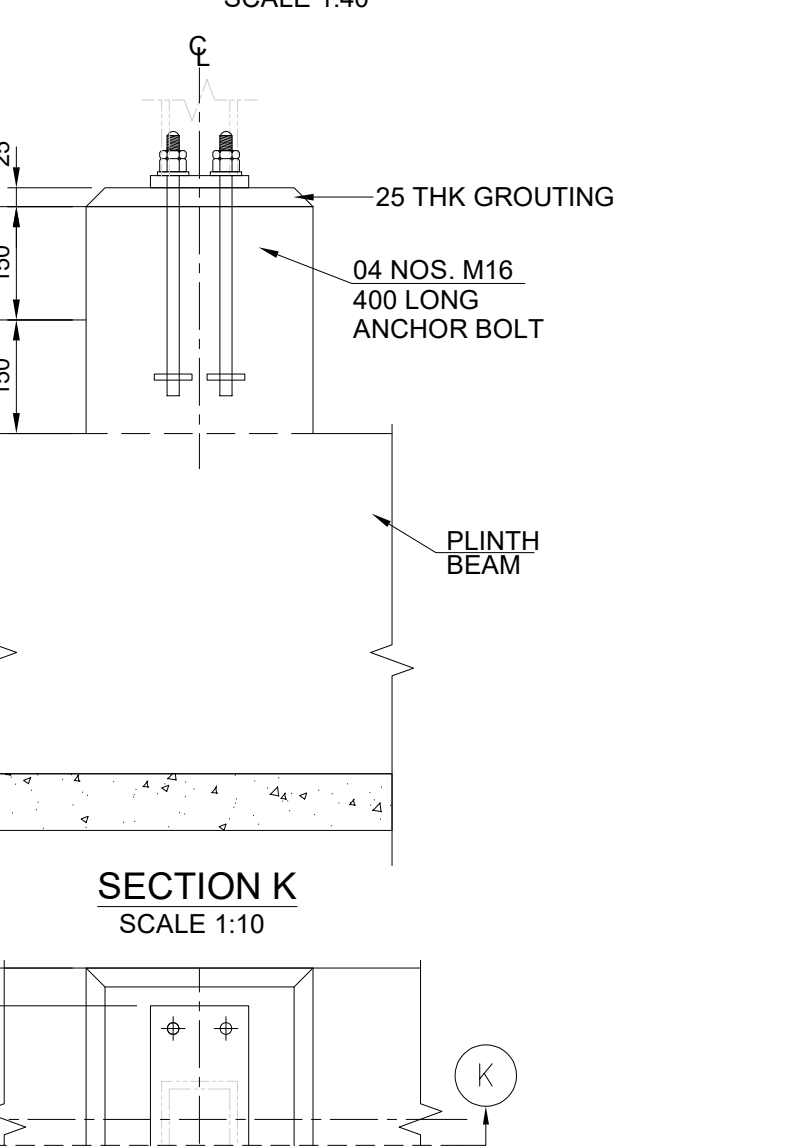
SECTION P49
SCALE 1:10



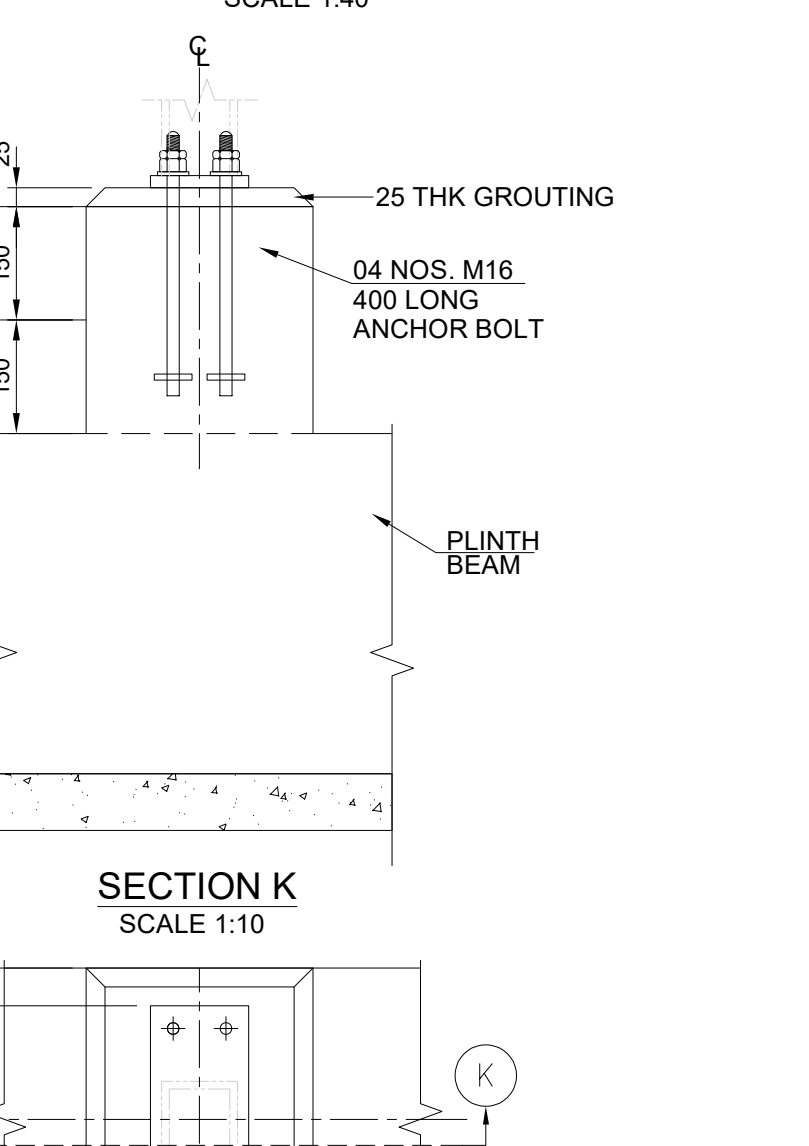
SECTION P50
SCALE 1:10



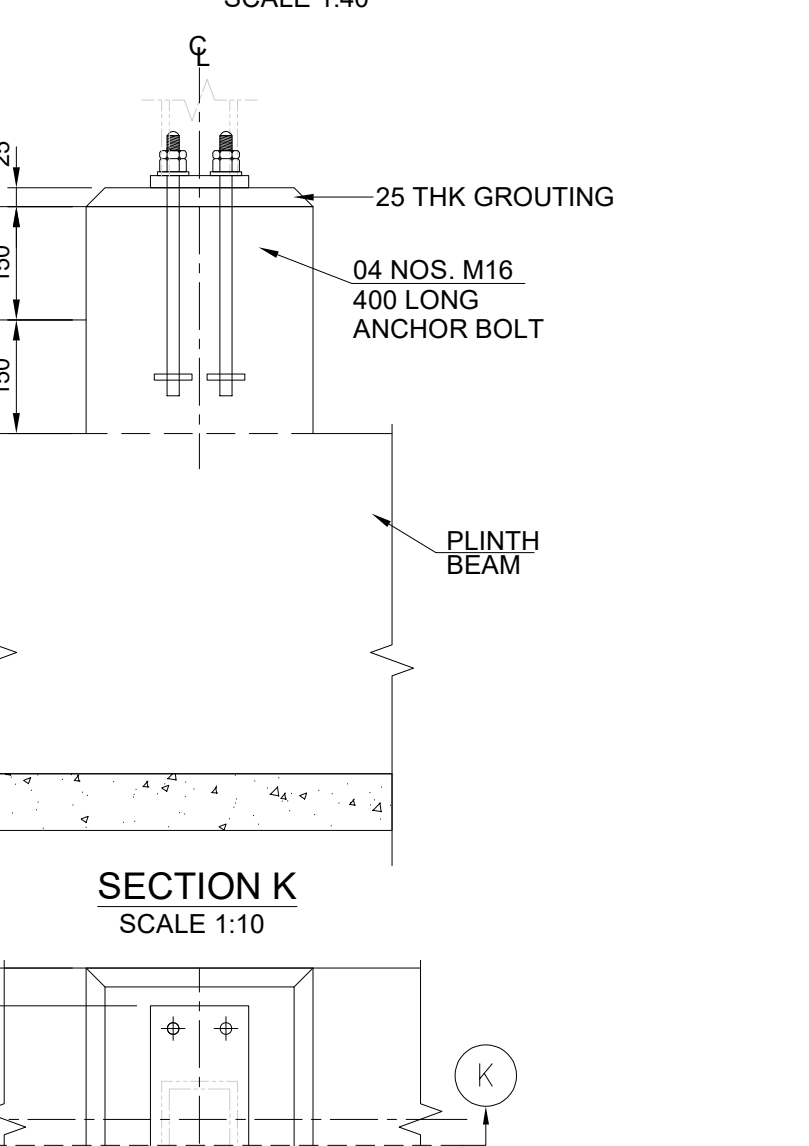
SECTION P51
SCALE 1:10



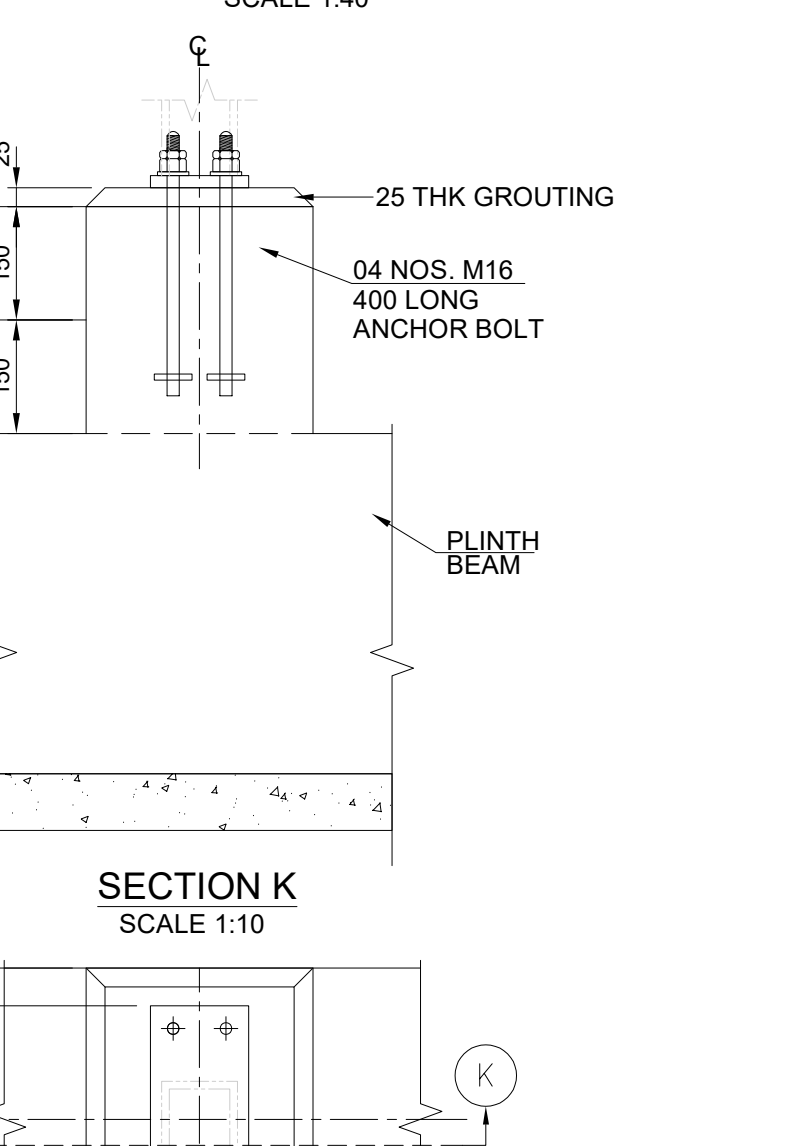
SECTION P52
SCALE 1:10



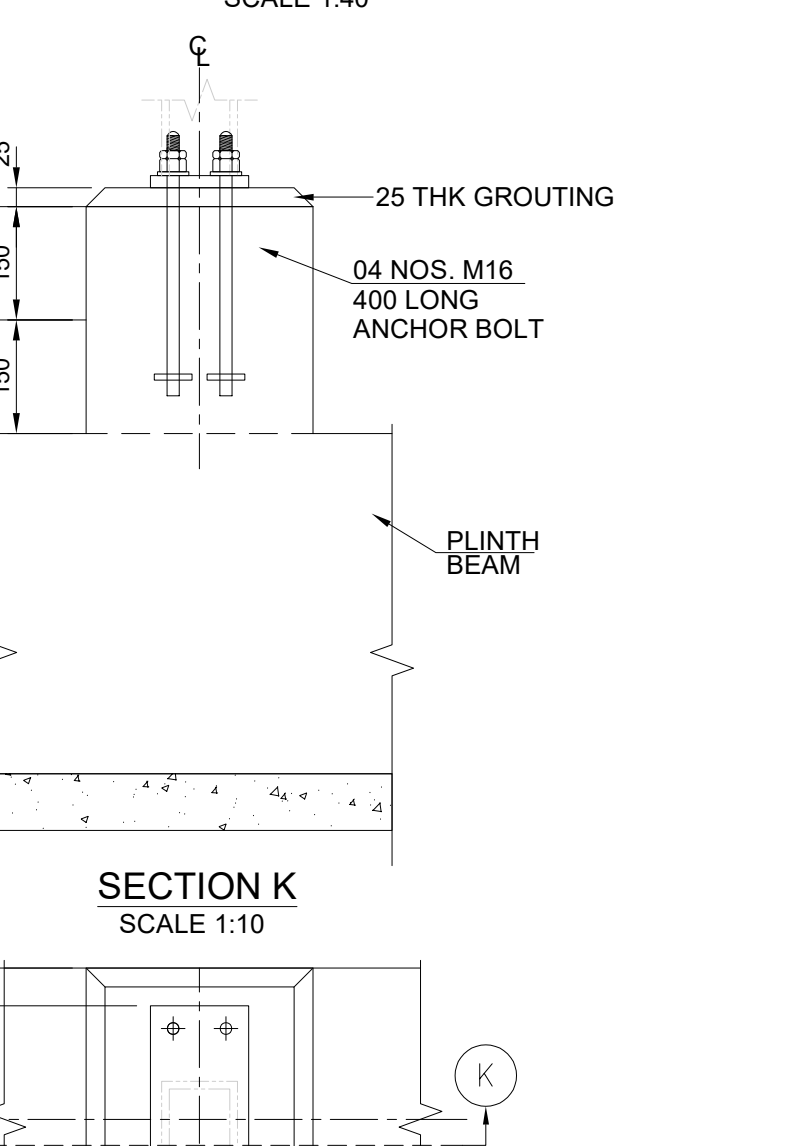
SECTION P53
SCALE 1:10



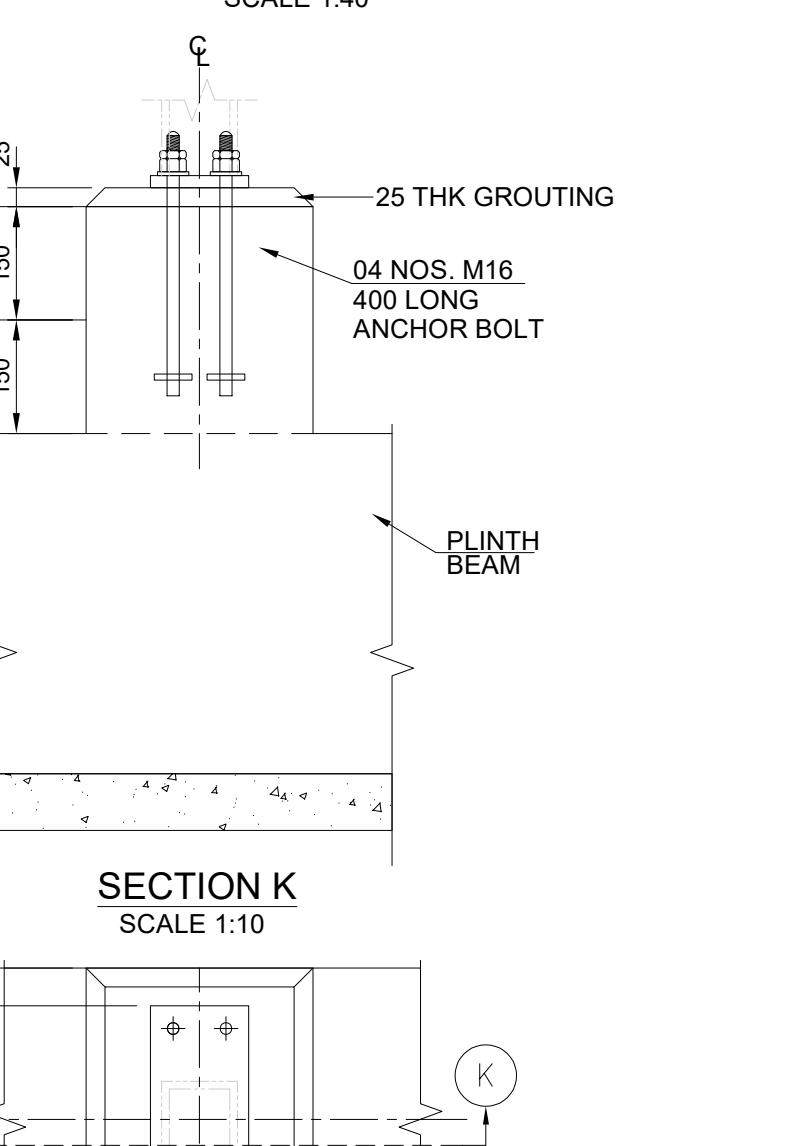
SECTION P54
SCALE 1:10



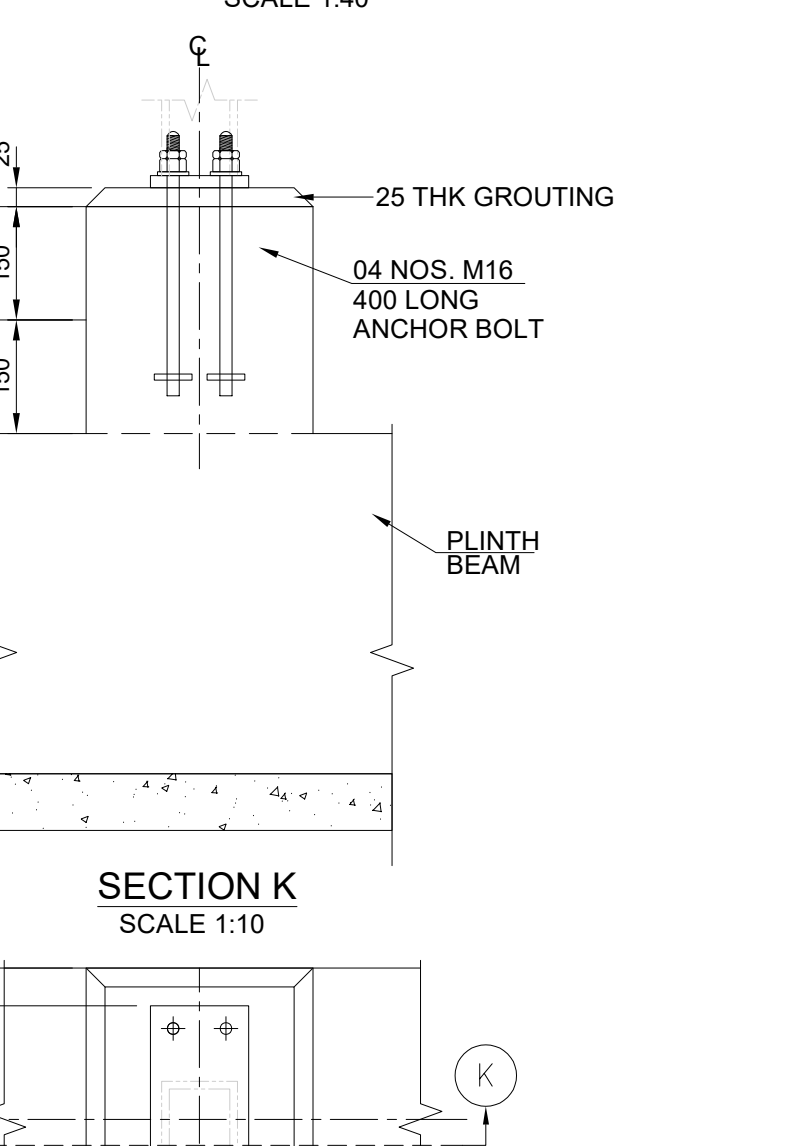
SECTION P55
SCALE 1:10



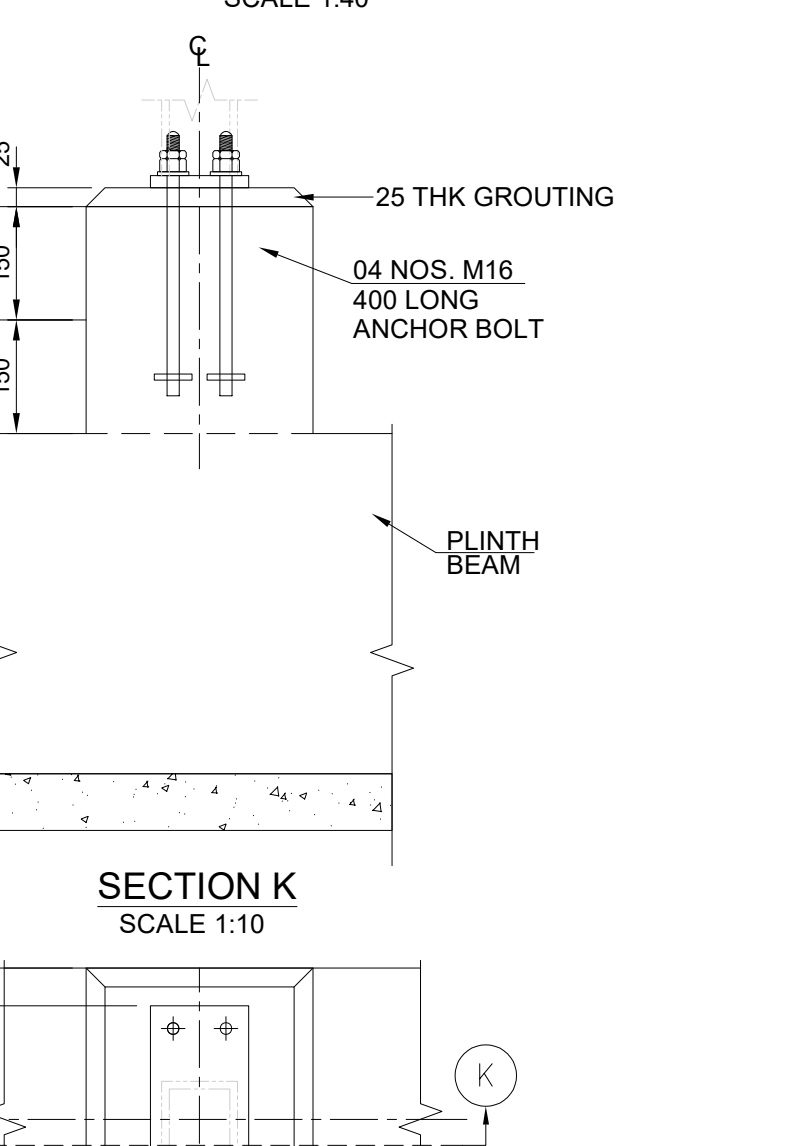
SECTION P56
SCALE 1:10



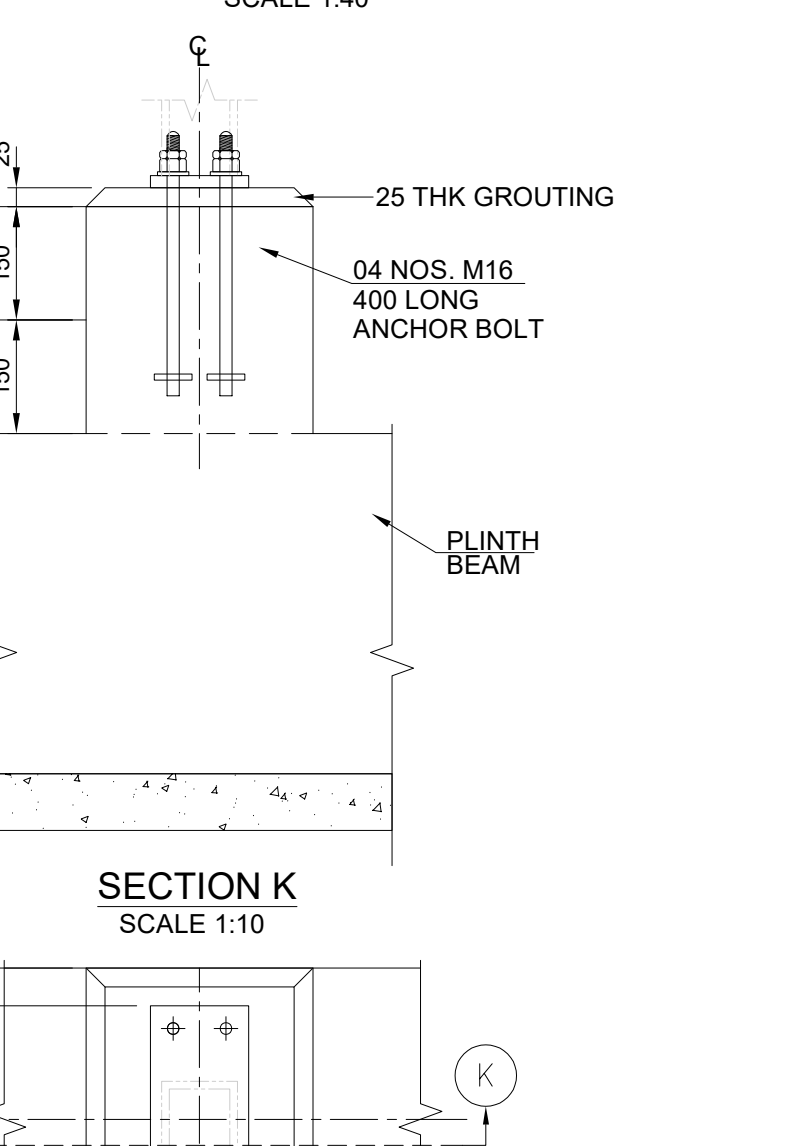
SECTION P57
SCALE 1:10



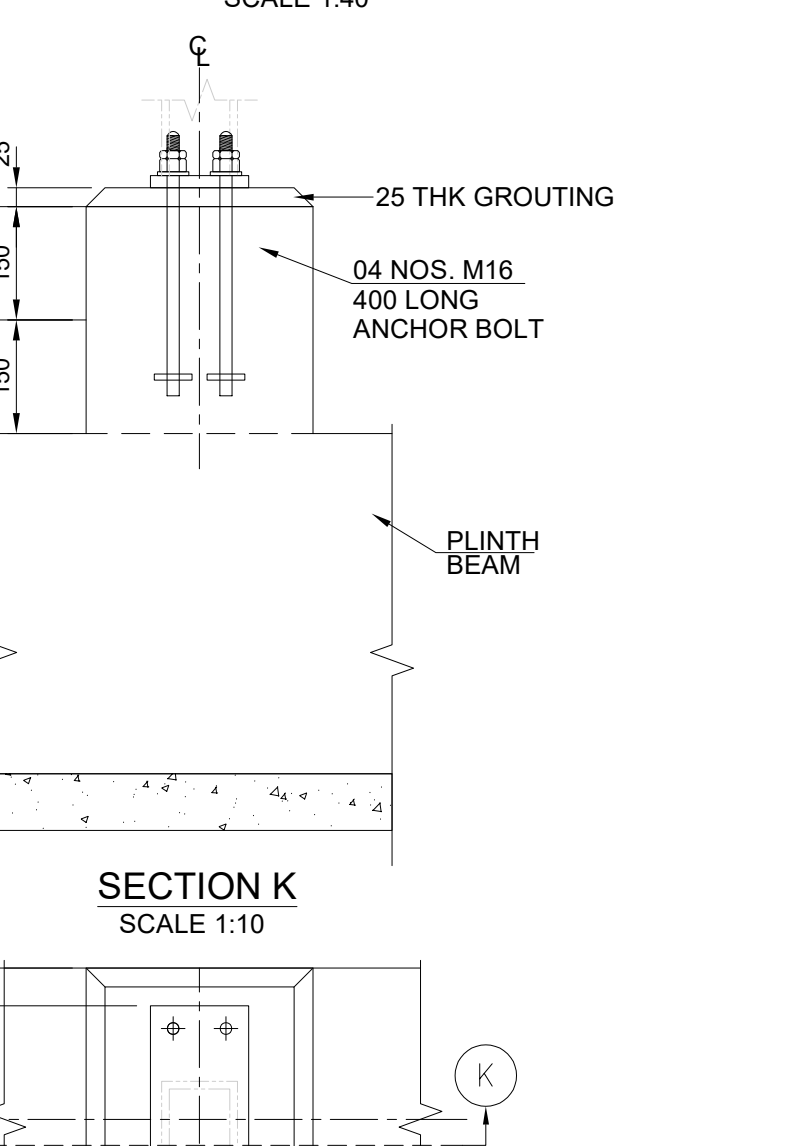
SECTION P58
SCALE 1:10



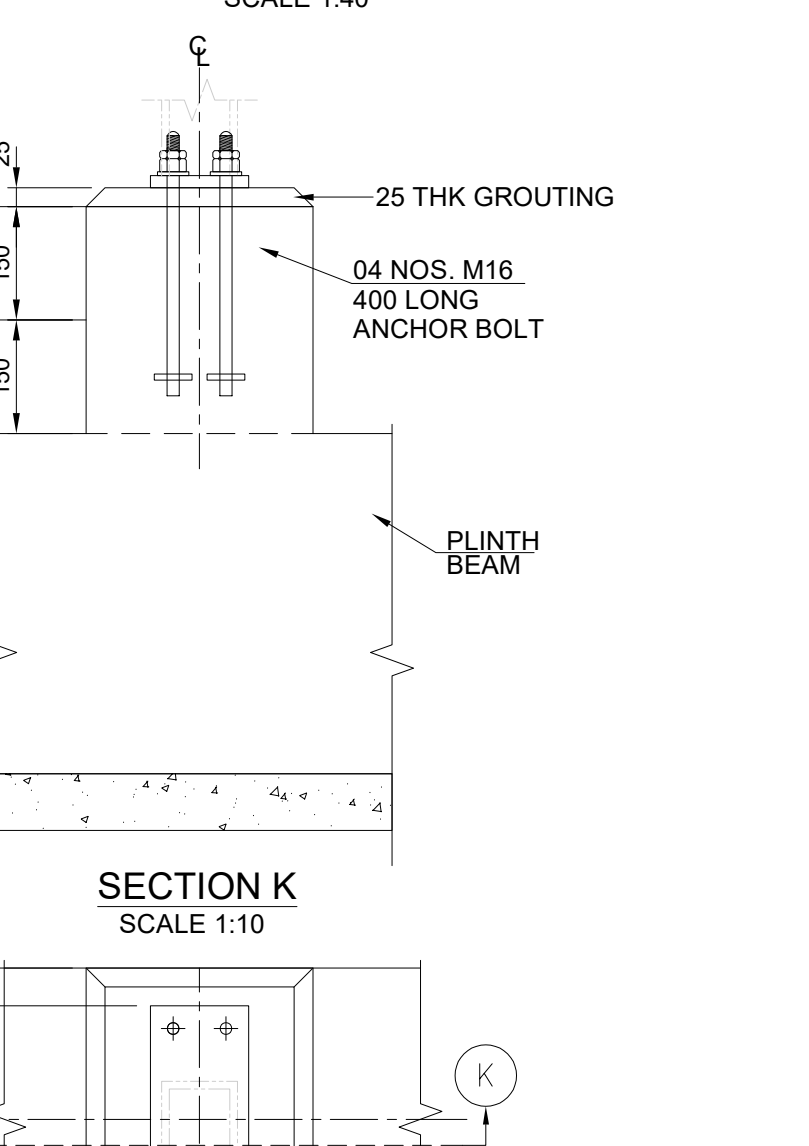
SECTION P59
SCALE 1:10



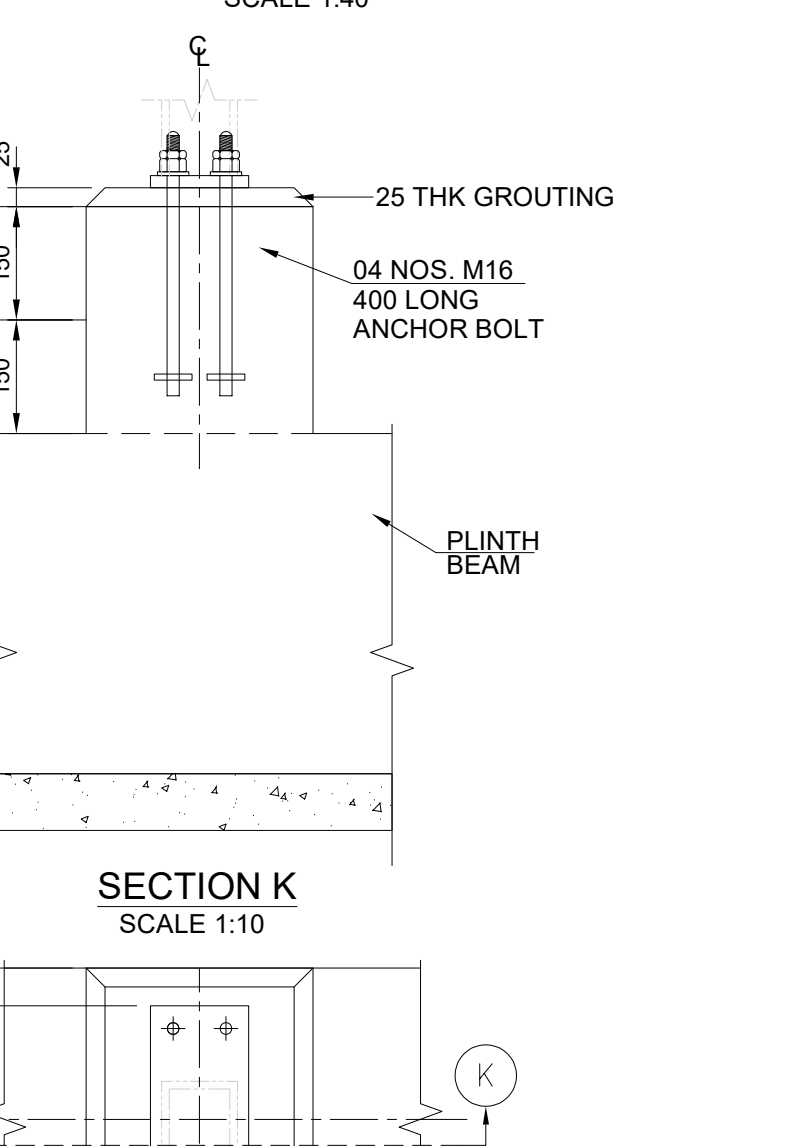
SECTION P60
SCALE 1:10



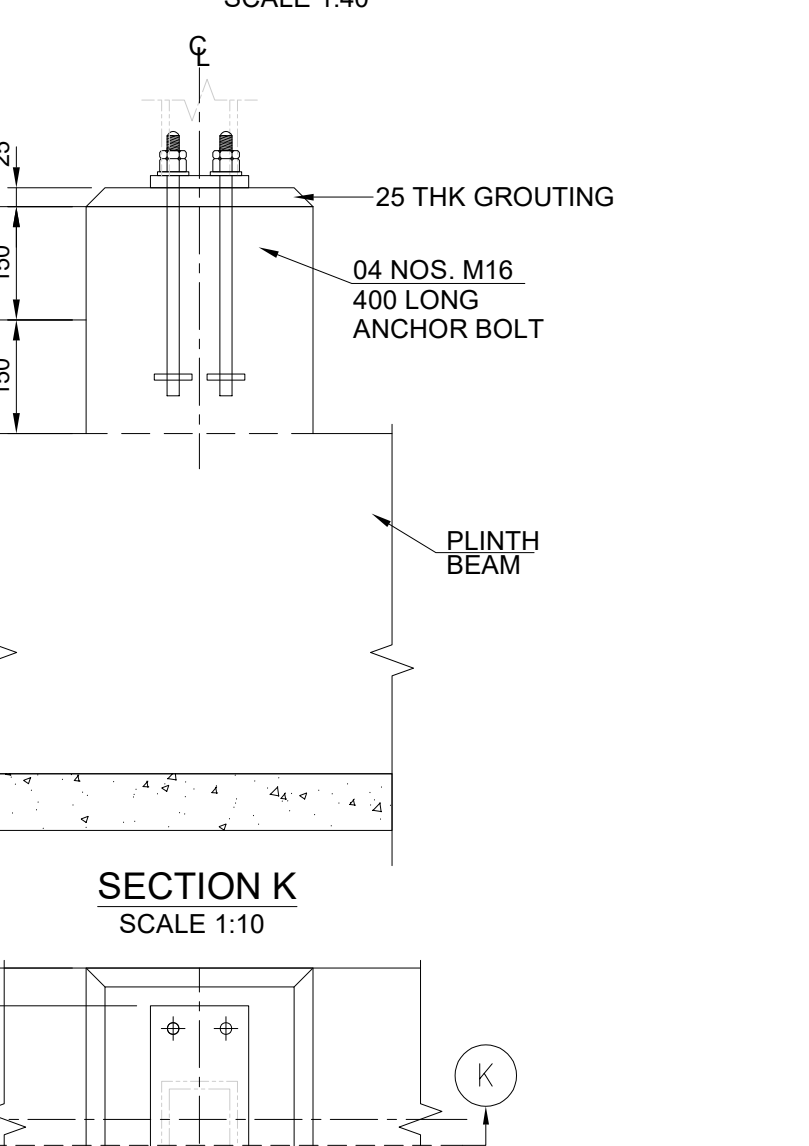
SECTION P61
SCALE 1:10



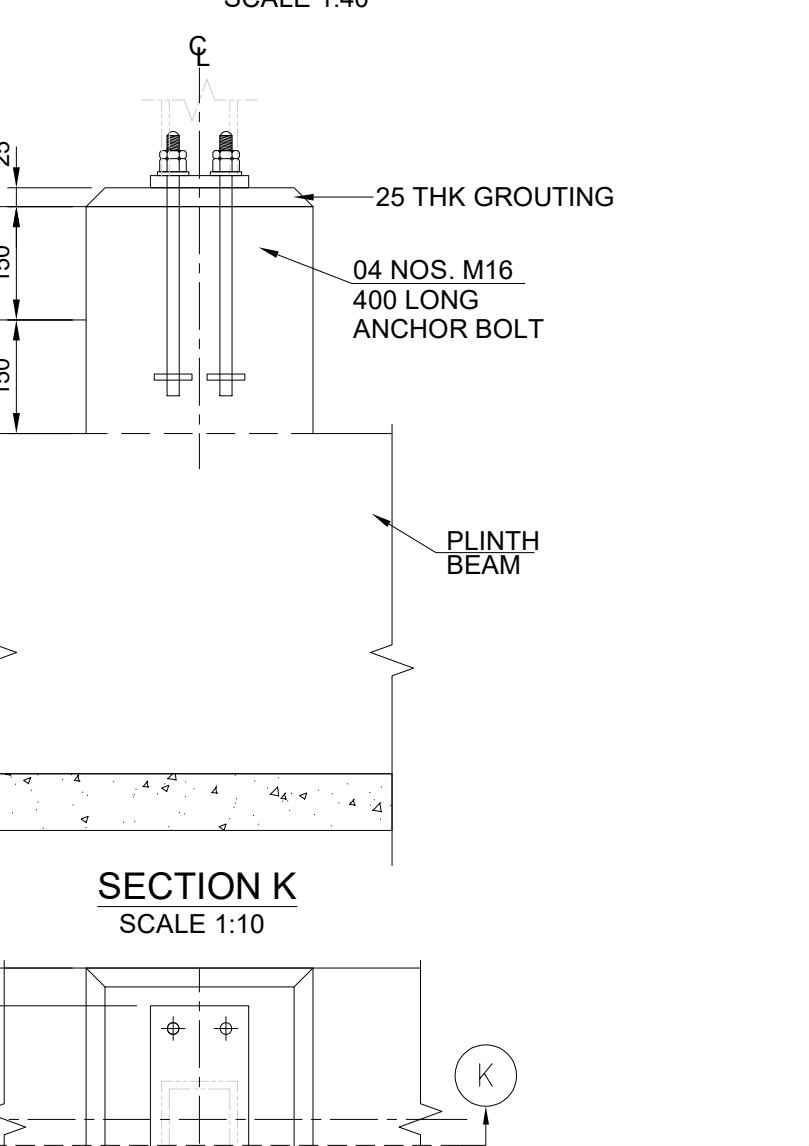
SECTION P62
SCALE 1:10



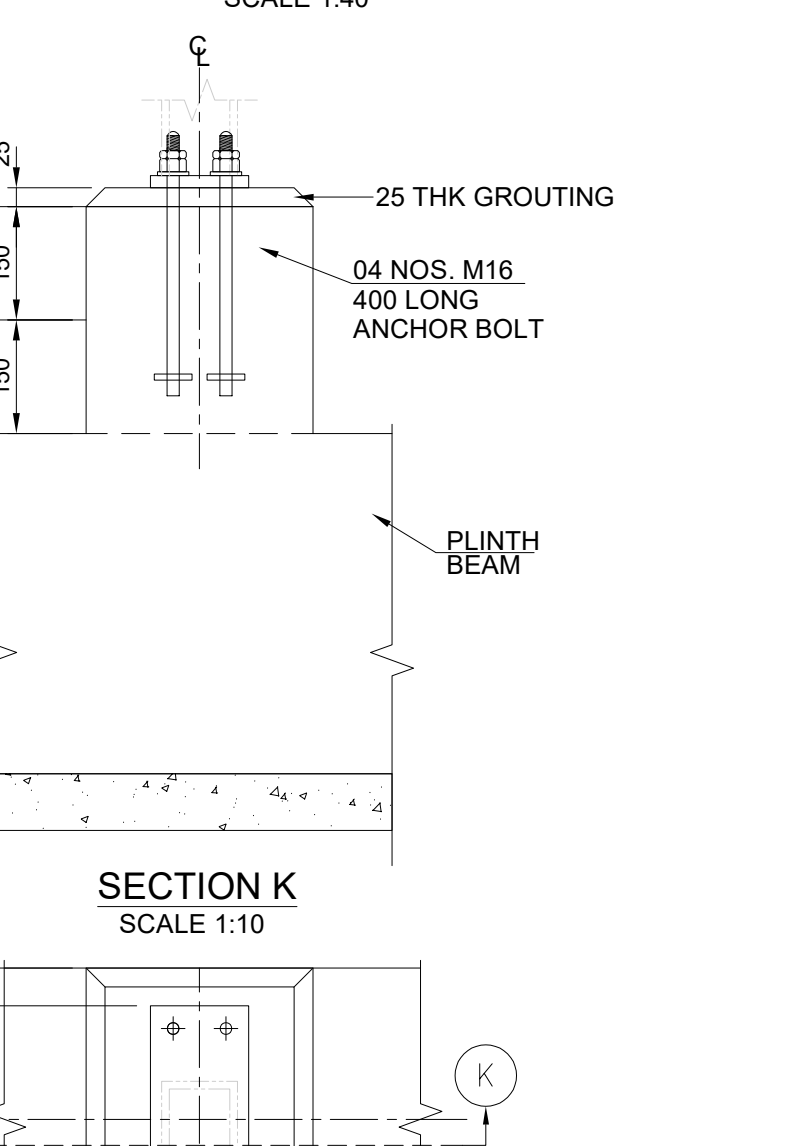
SECTION P63
SCALE 1:10

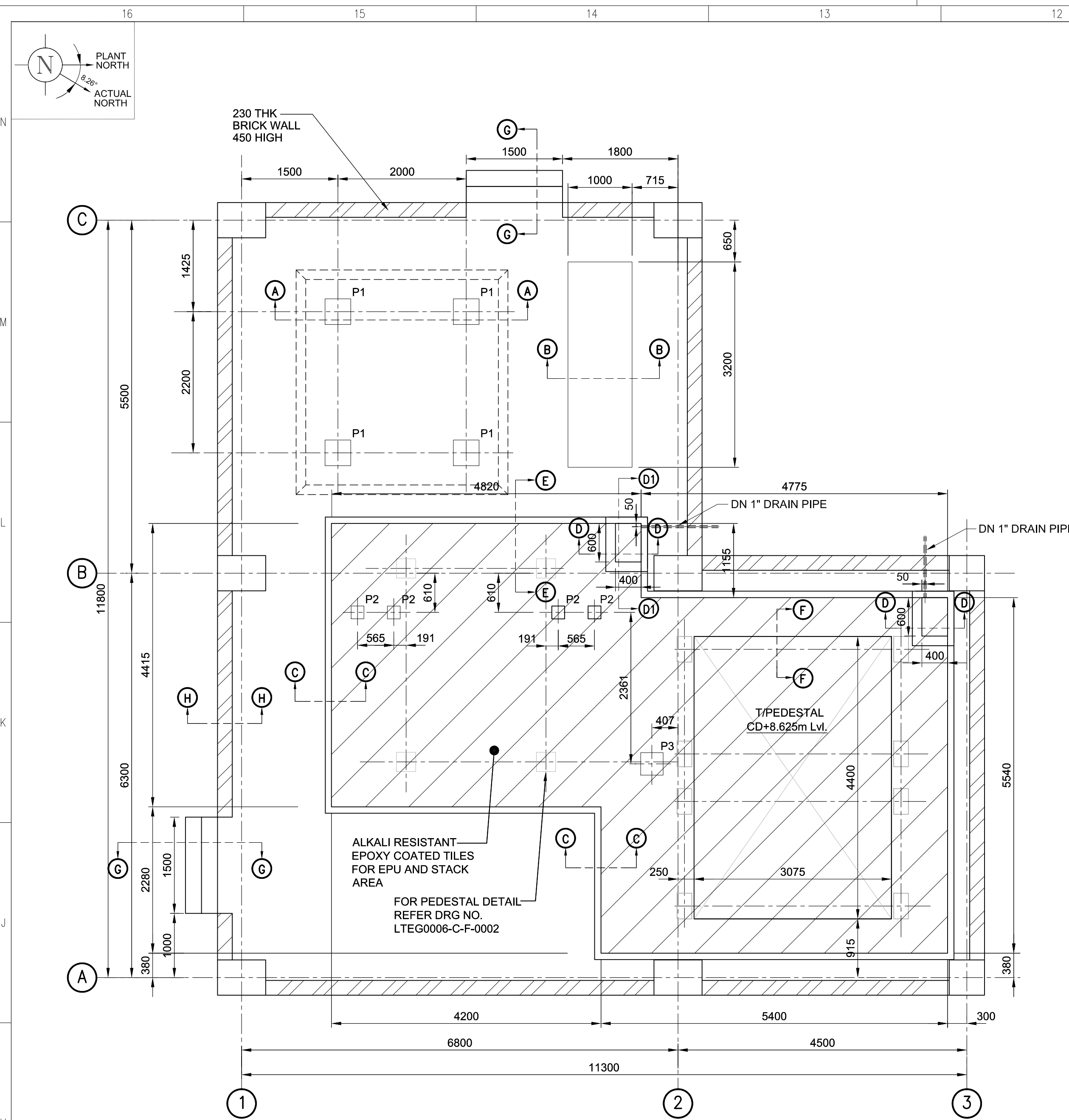


SECTION P64
SCALE 1:10

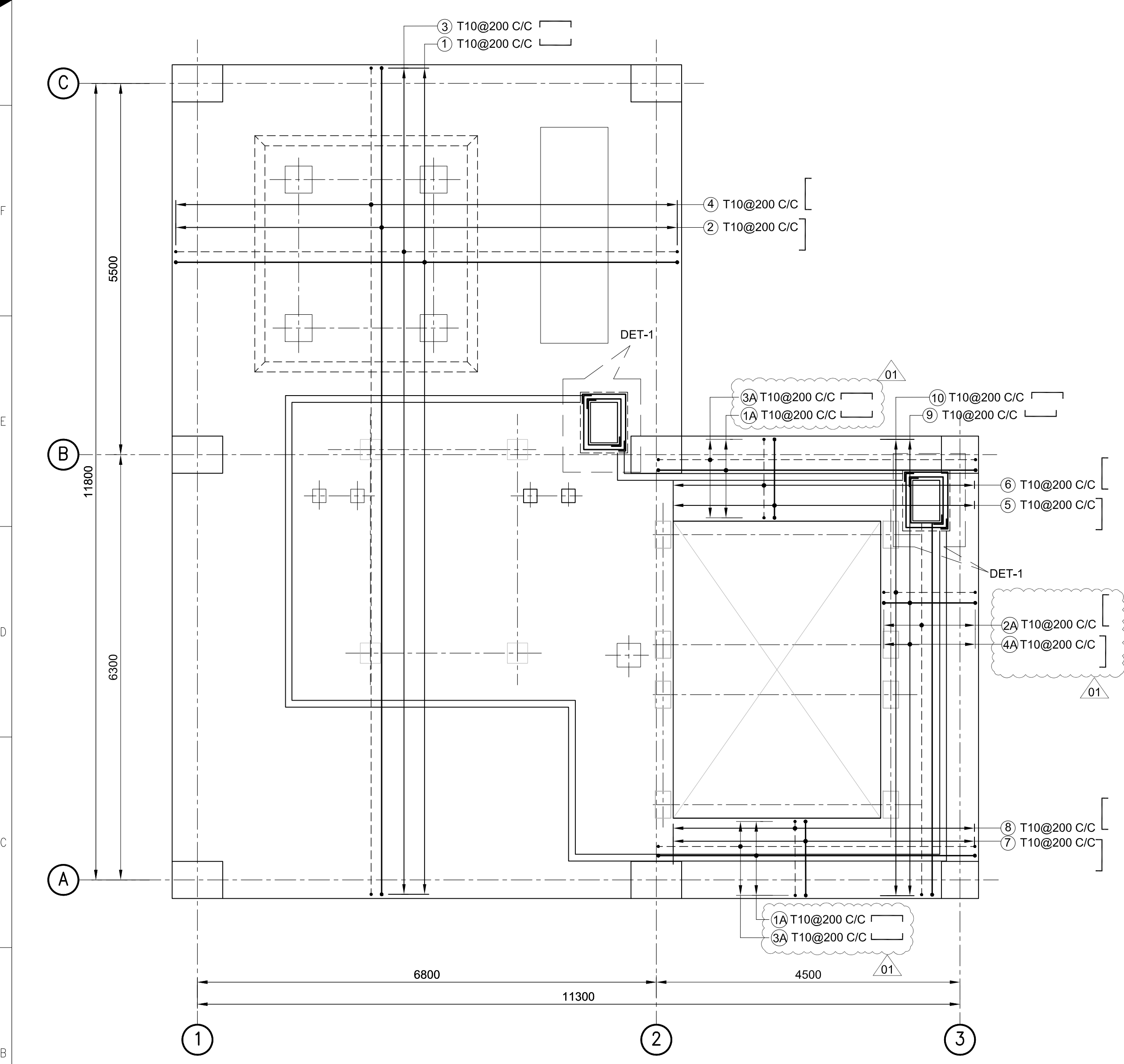


SECTION P65
SCALE 1:10

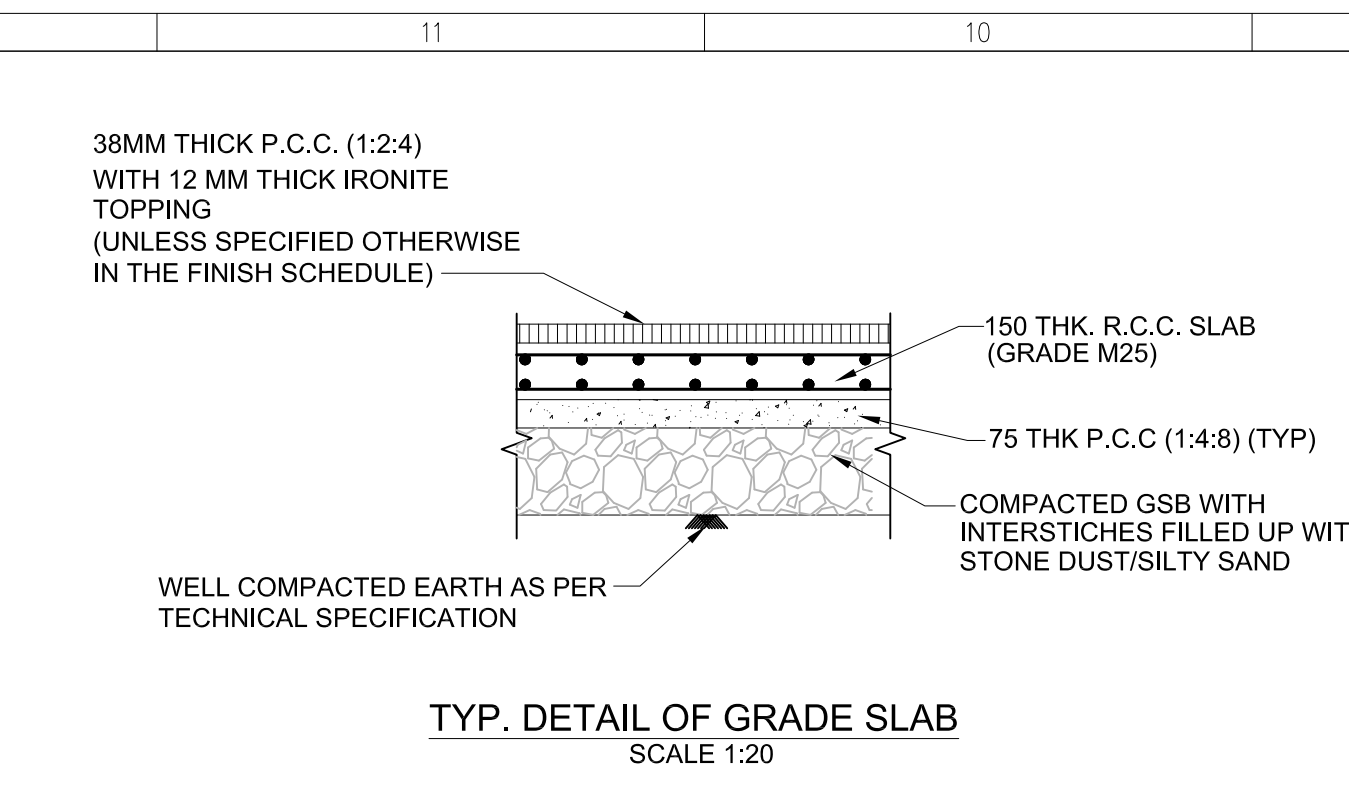




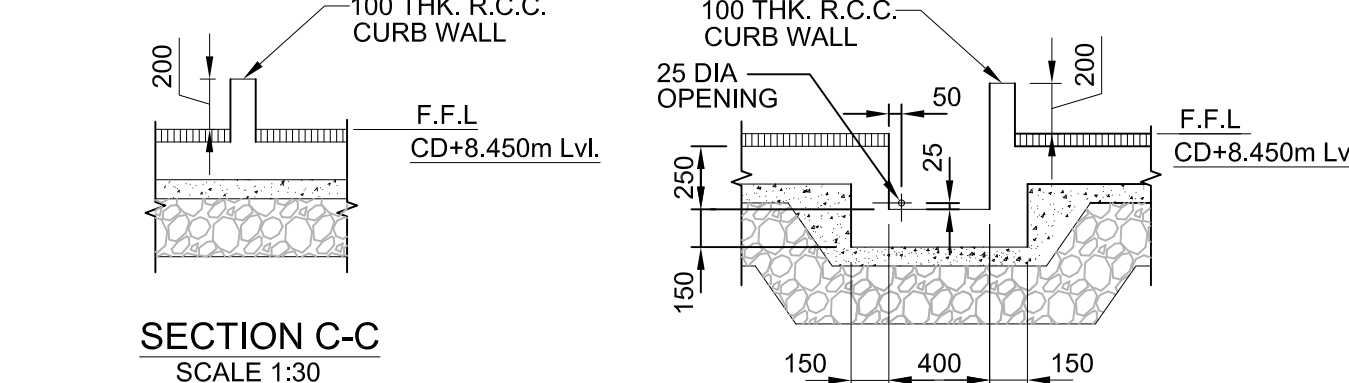
GRADE SLAB PLAN AT CD+8.450 (F.F.L.) (UNO)
SCALE 1:50



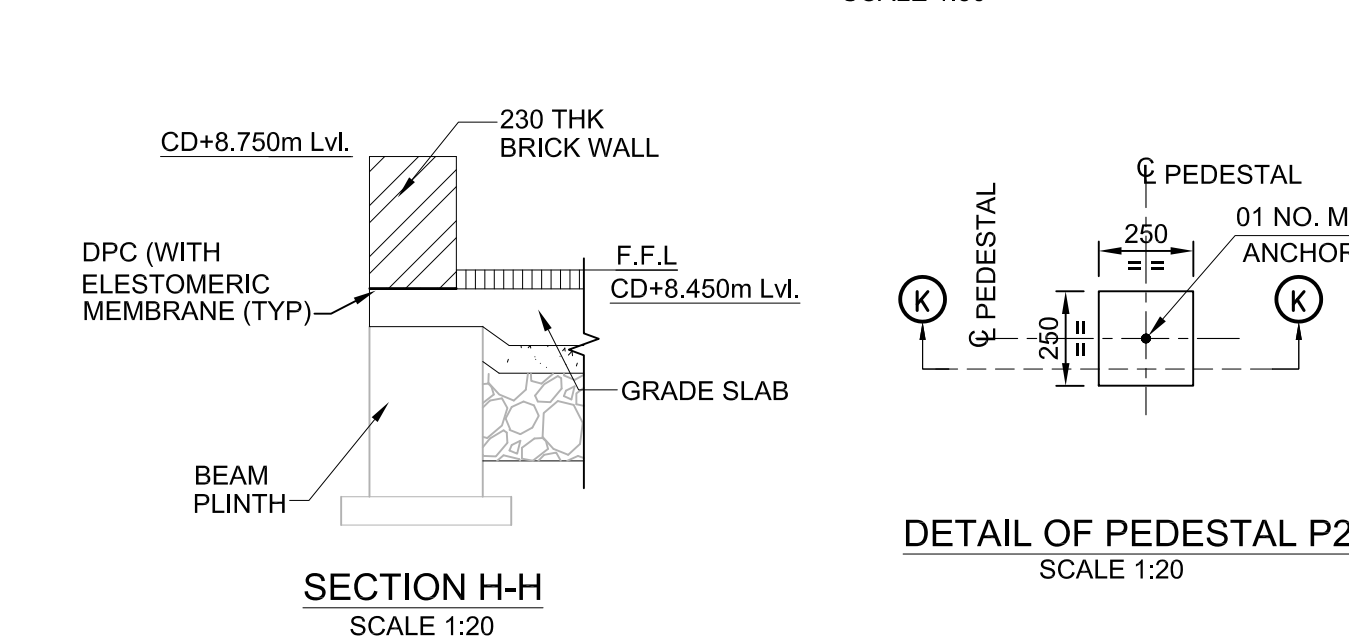
GRADE SLAB REINFORCEMENT PLAN
SCALE 1:50



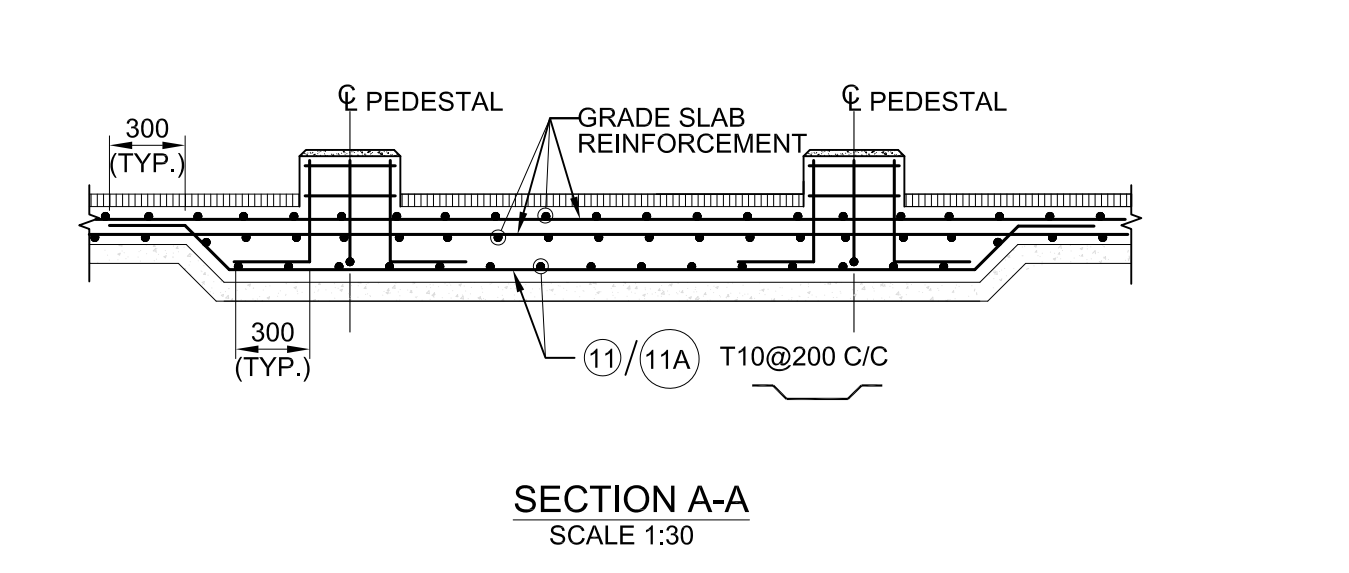
TYP. DETAIL OF GRADE SLAB
SCALE 1:20



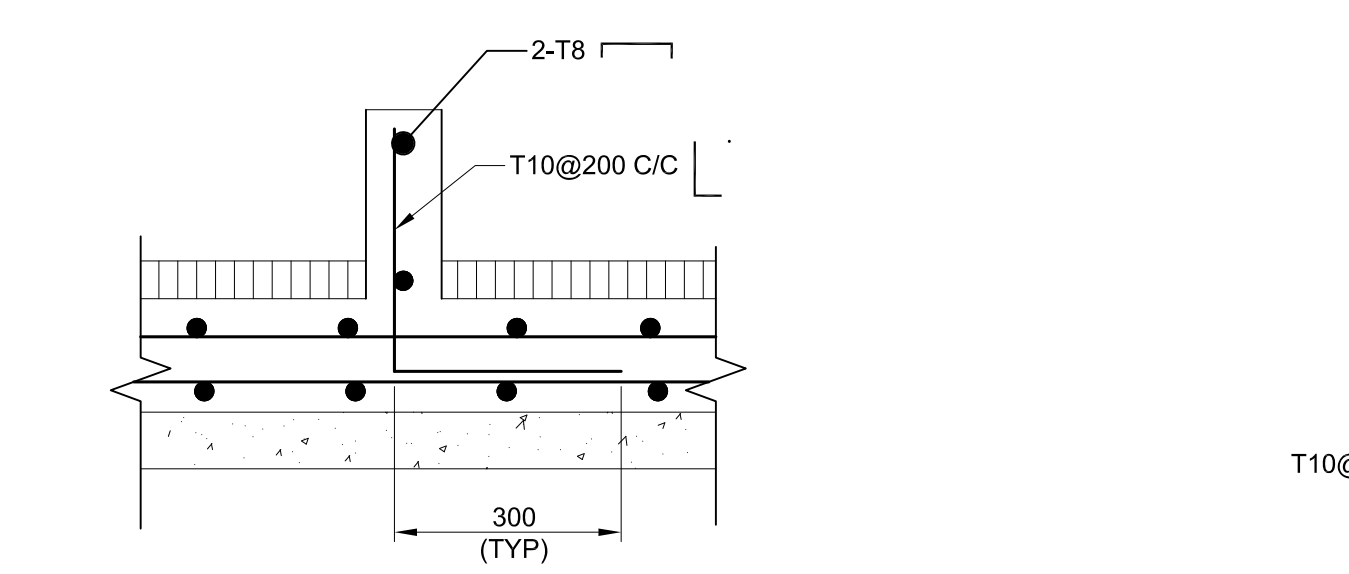
SECTION C-C
SCALE 1:30



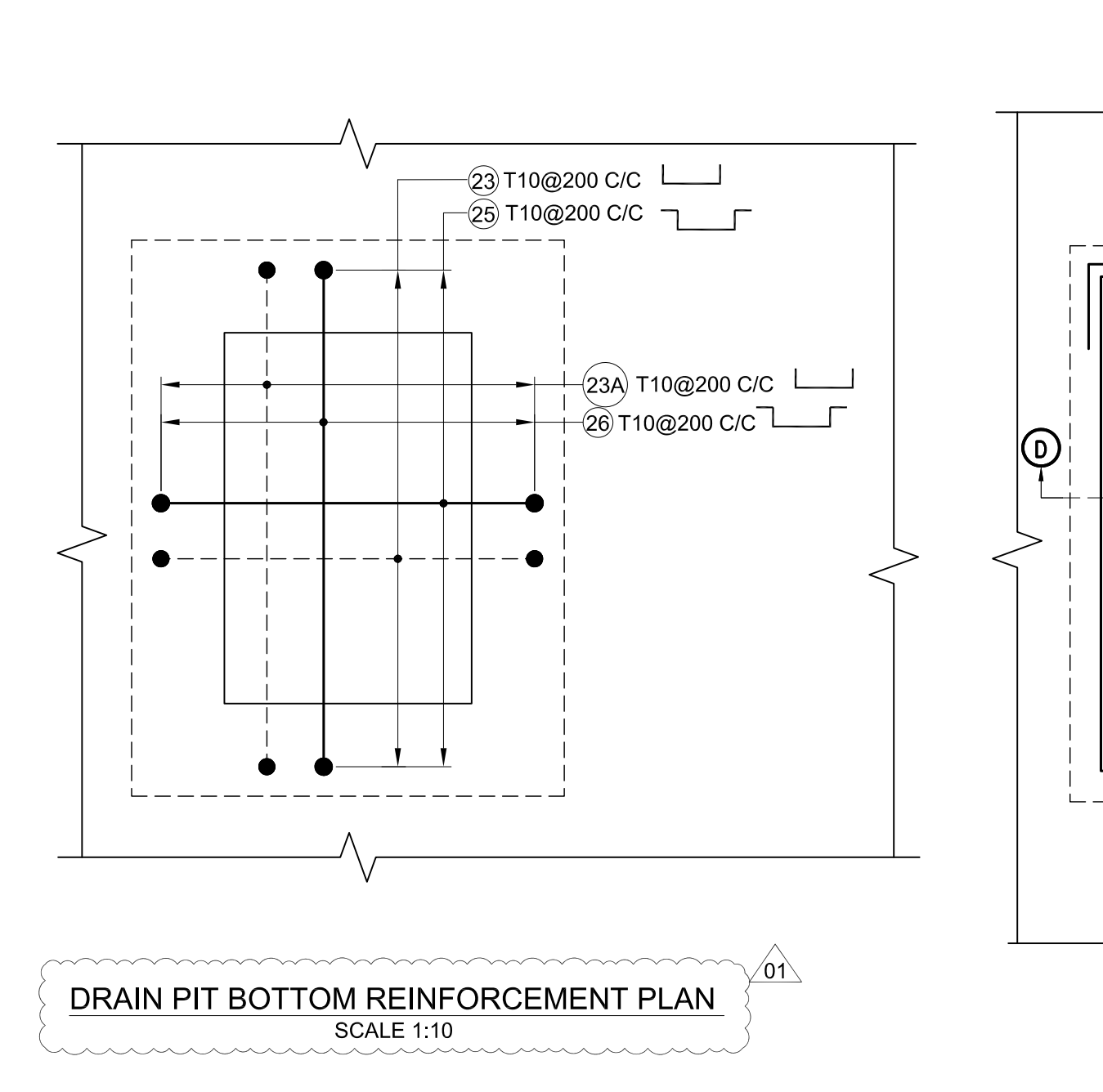
DETAIL OF PEDESTAL P2
SCALE 1:20



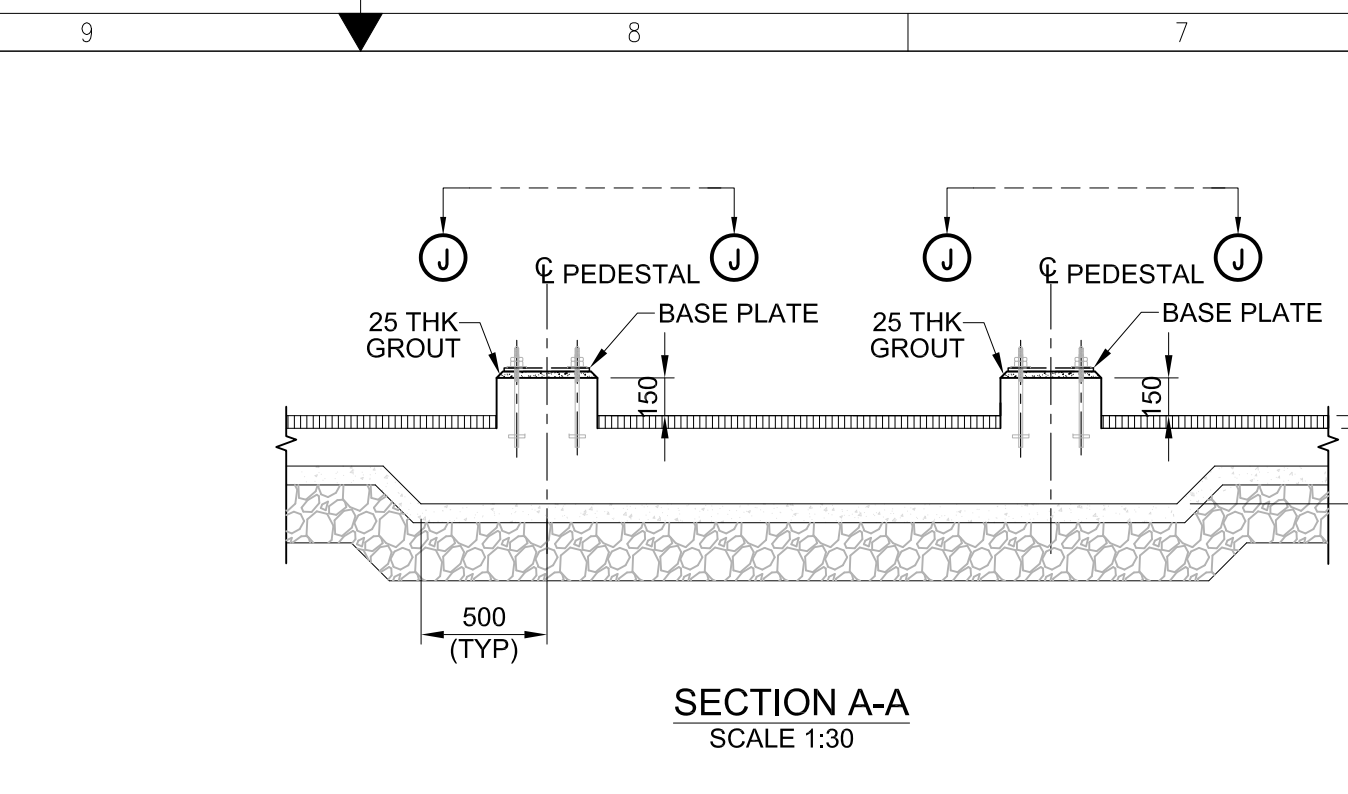
SECTION A-A
SCALE 1:30



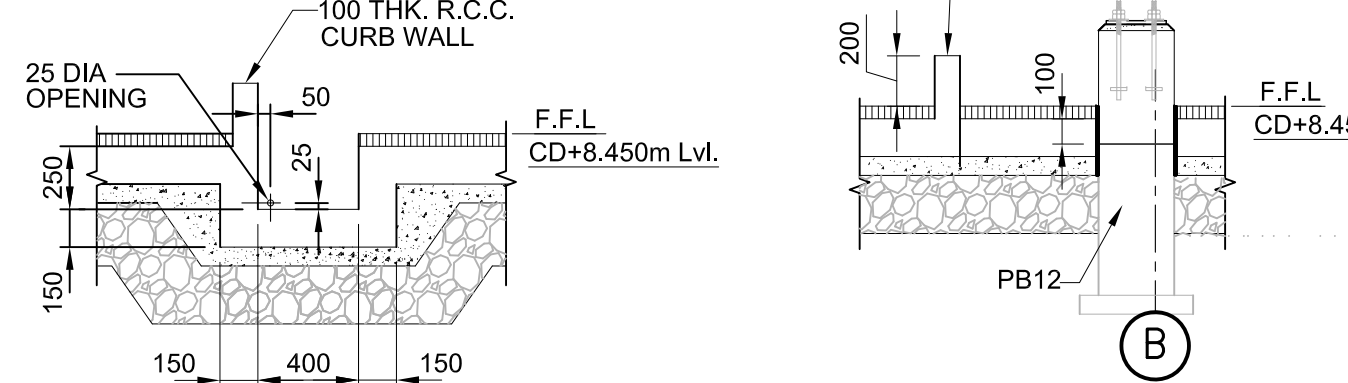
SECTION C-C
SCALE 1:10



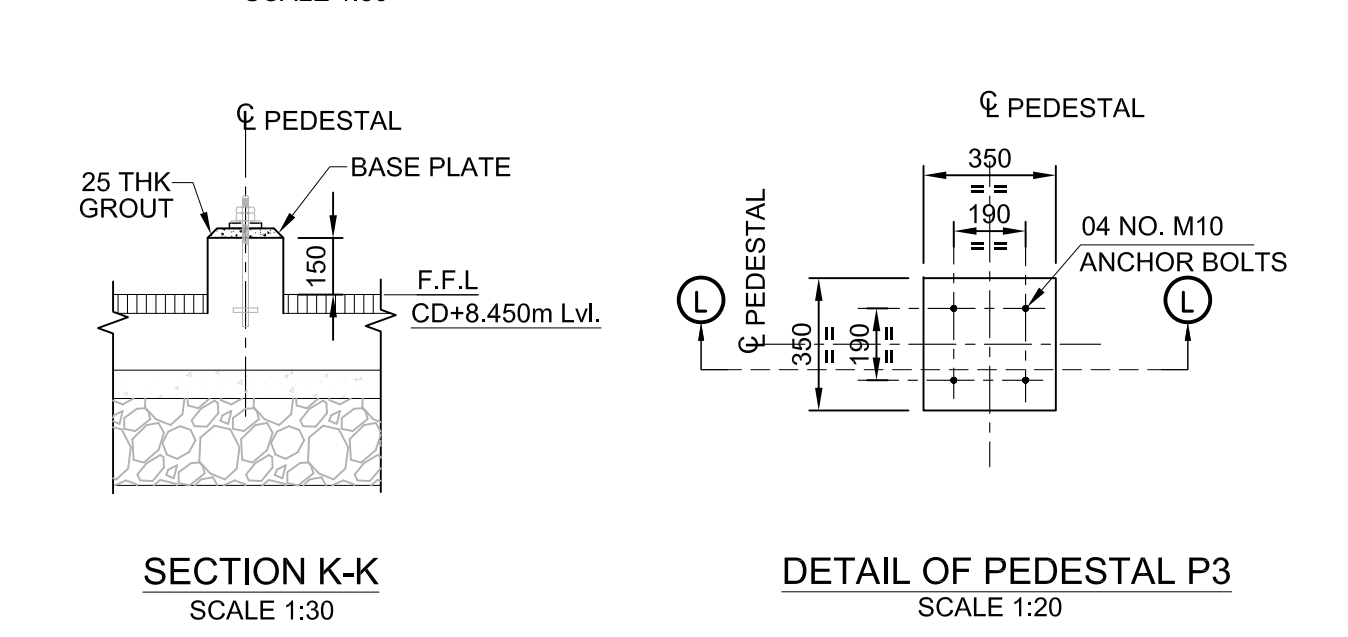
DRAIN PIT BOTTOM REINFORCEMENT PLAN
SCALE 1:10



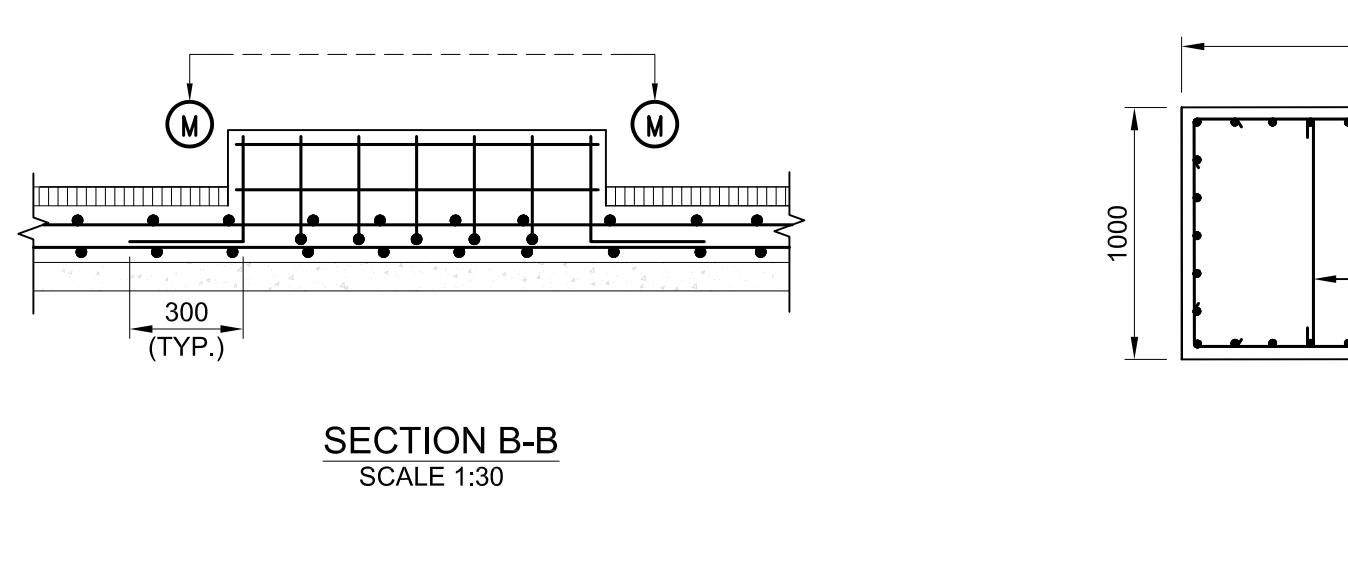
SECTION A-A
SCALE 1:30



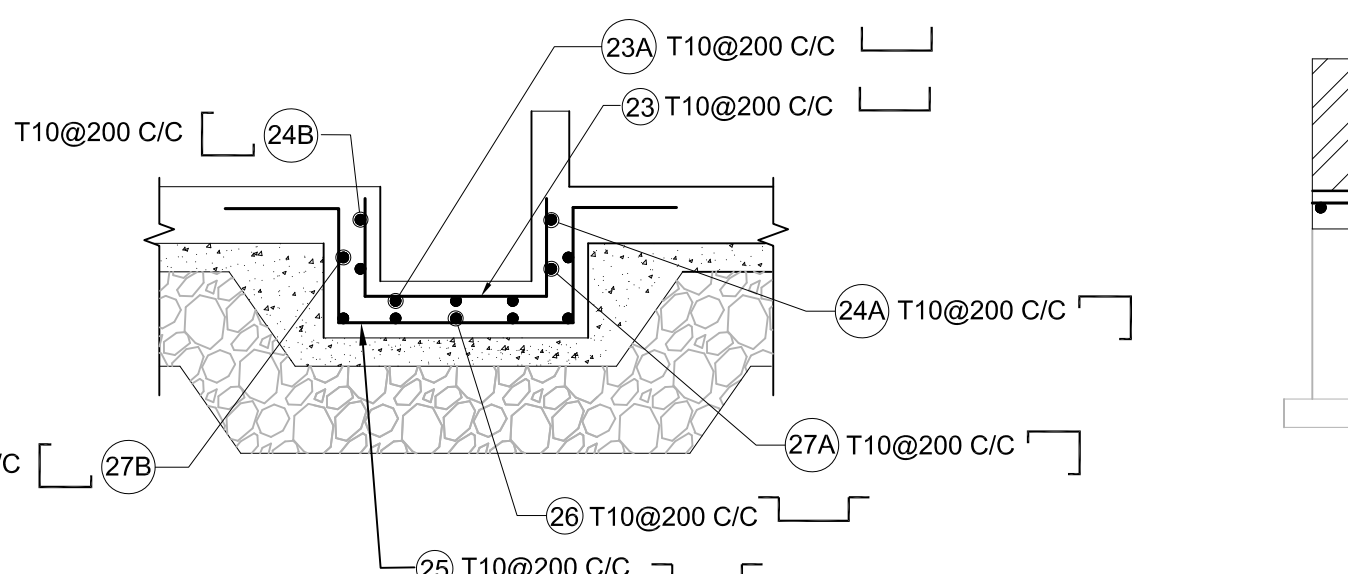
SECTION D1-D1
SCALE 1:30



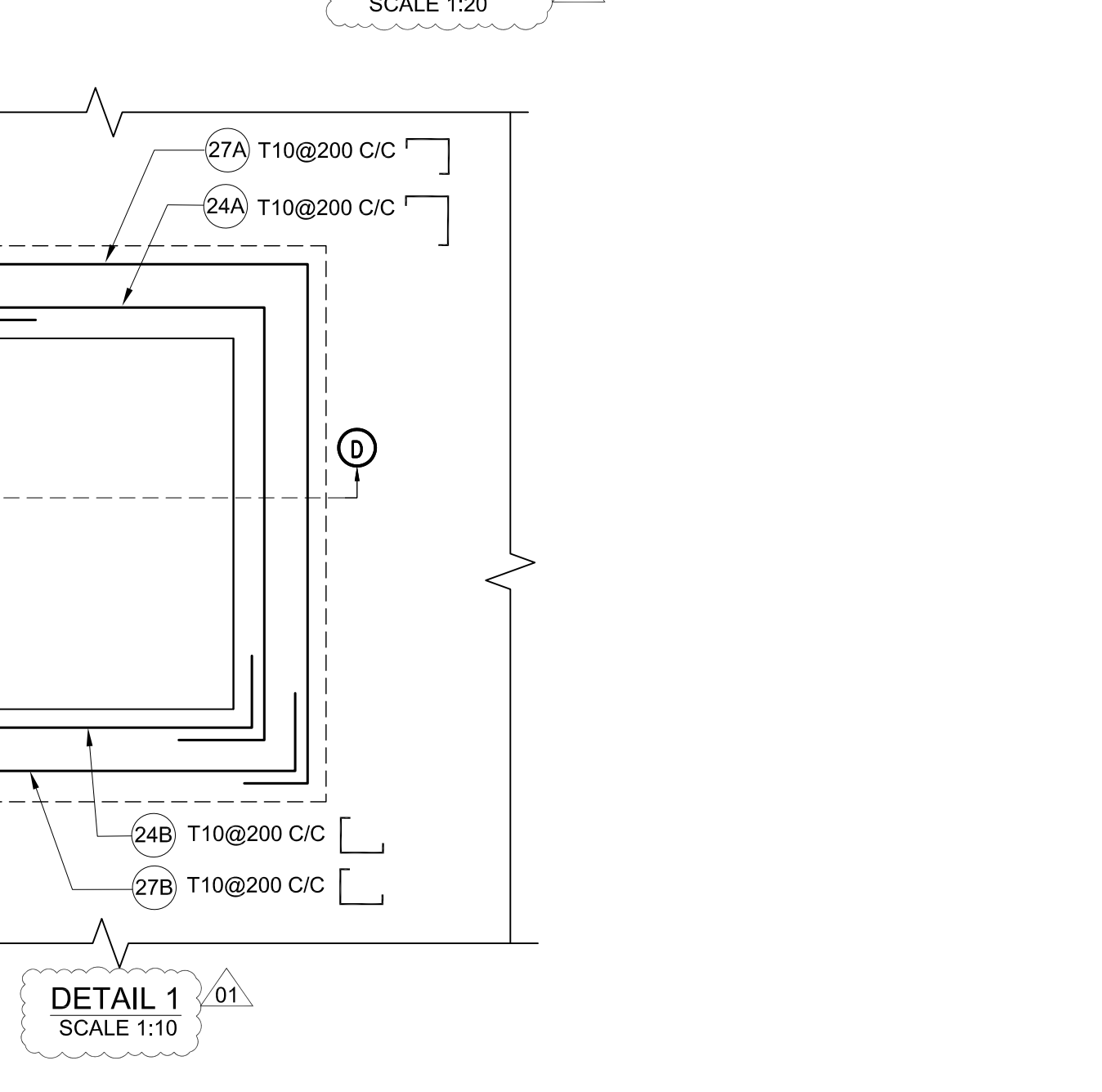
DETAIL OF PEDESTAL P3
SCALE 1:20



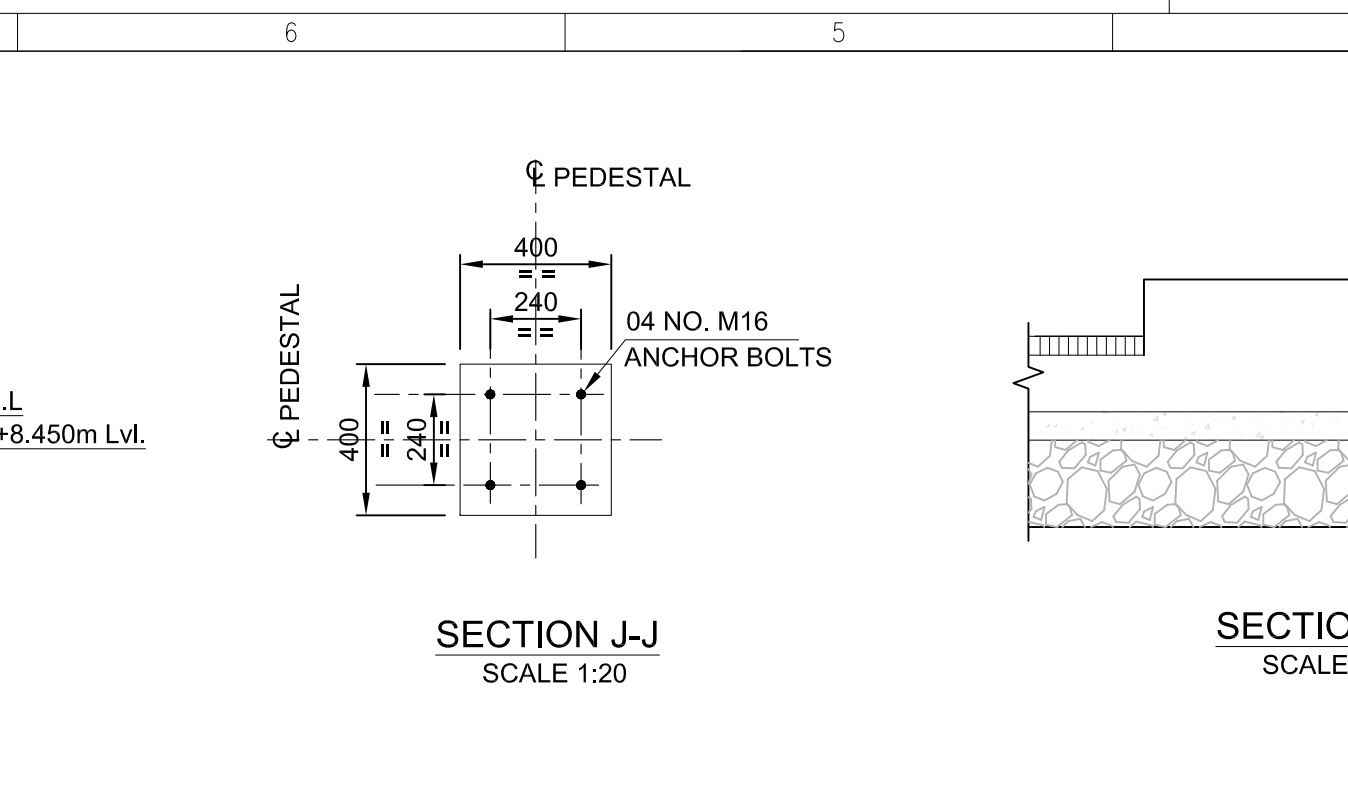
SECTION B-B
SCALE 1:30



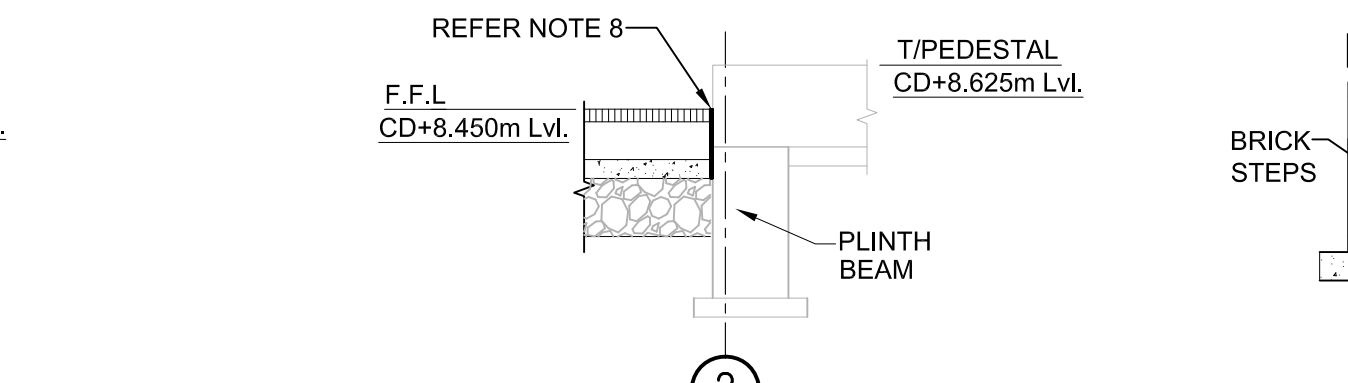
SECTION D-D
SCALE 1:20



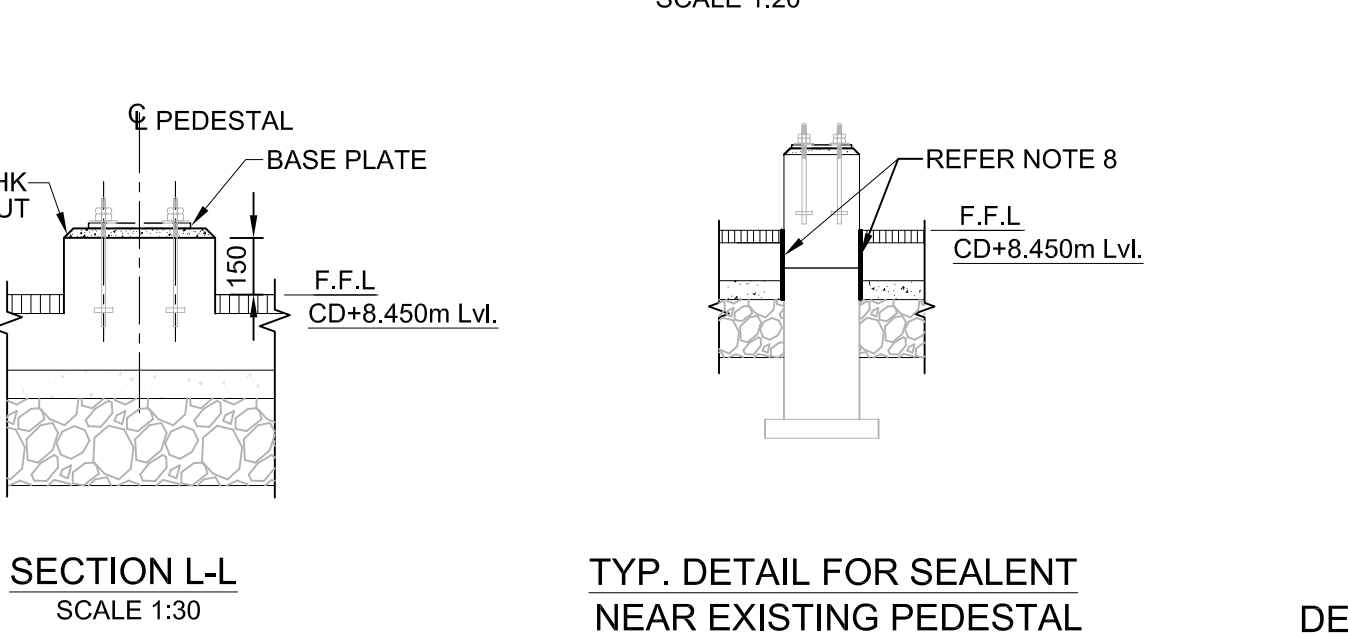
DETAIL 1
SCALE 1:10



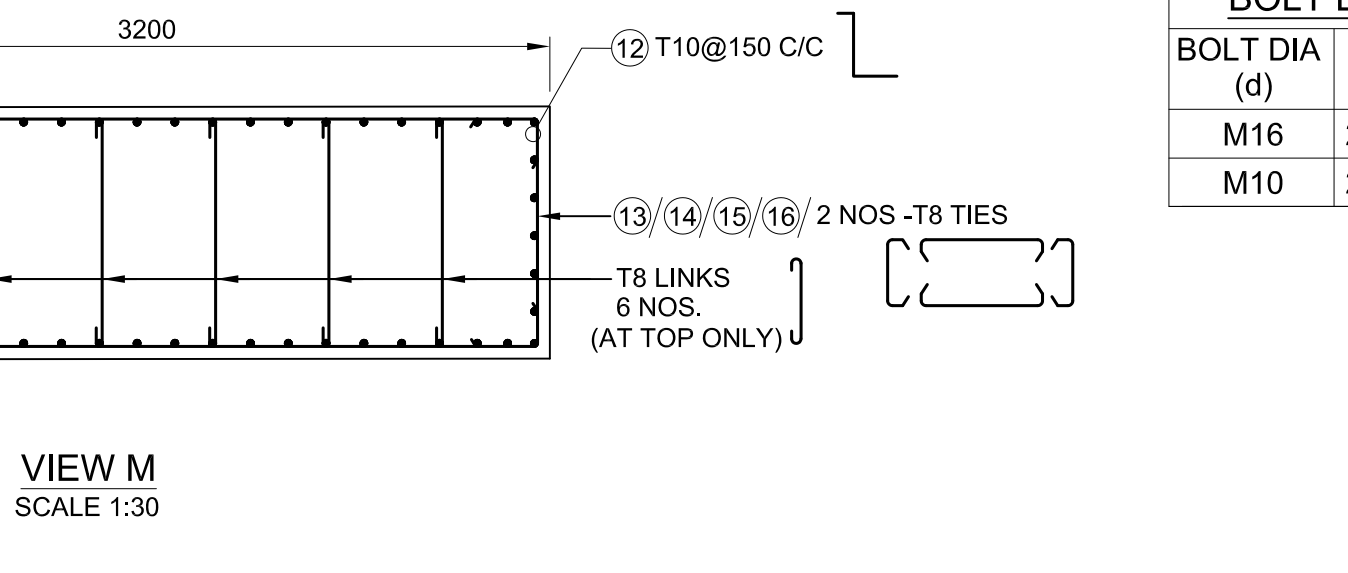
SECTION J-J
SCALE 1:20



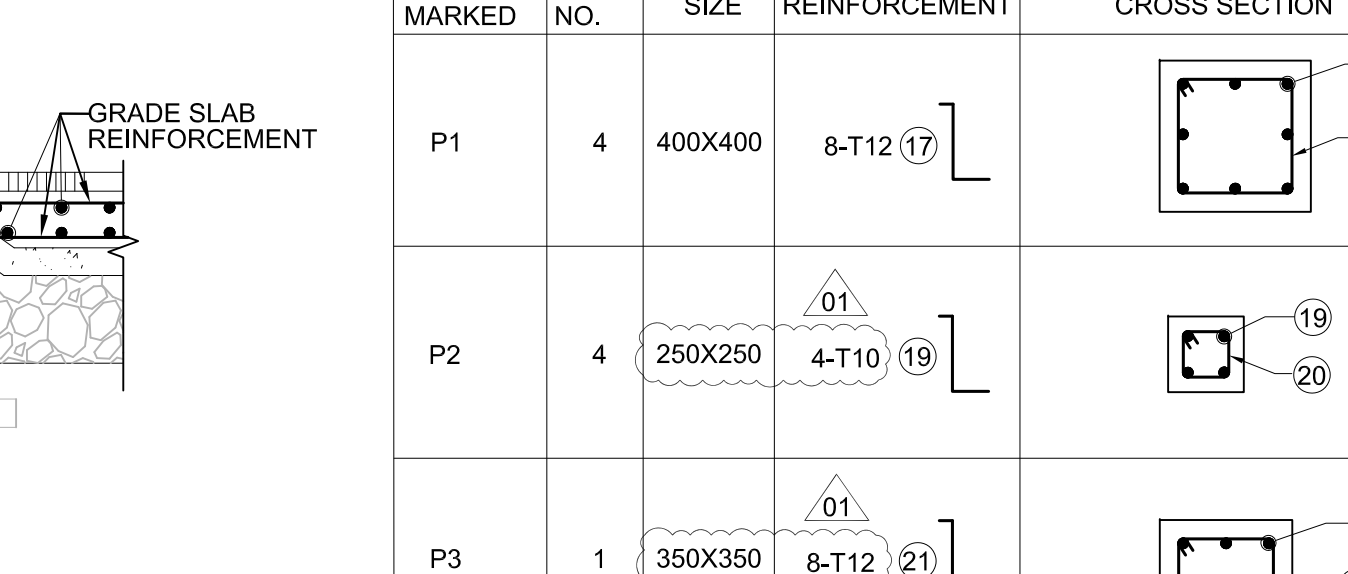
SECTION B-B
SCALE 1:20



TYP. DETAIL FOR SEALANT
NEAR EXISTING PEDESTAL
SCALE 1:30



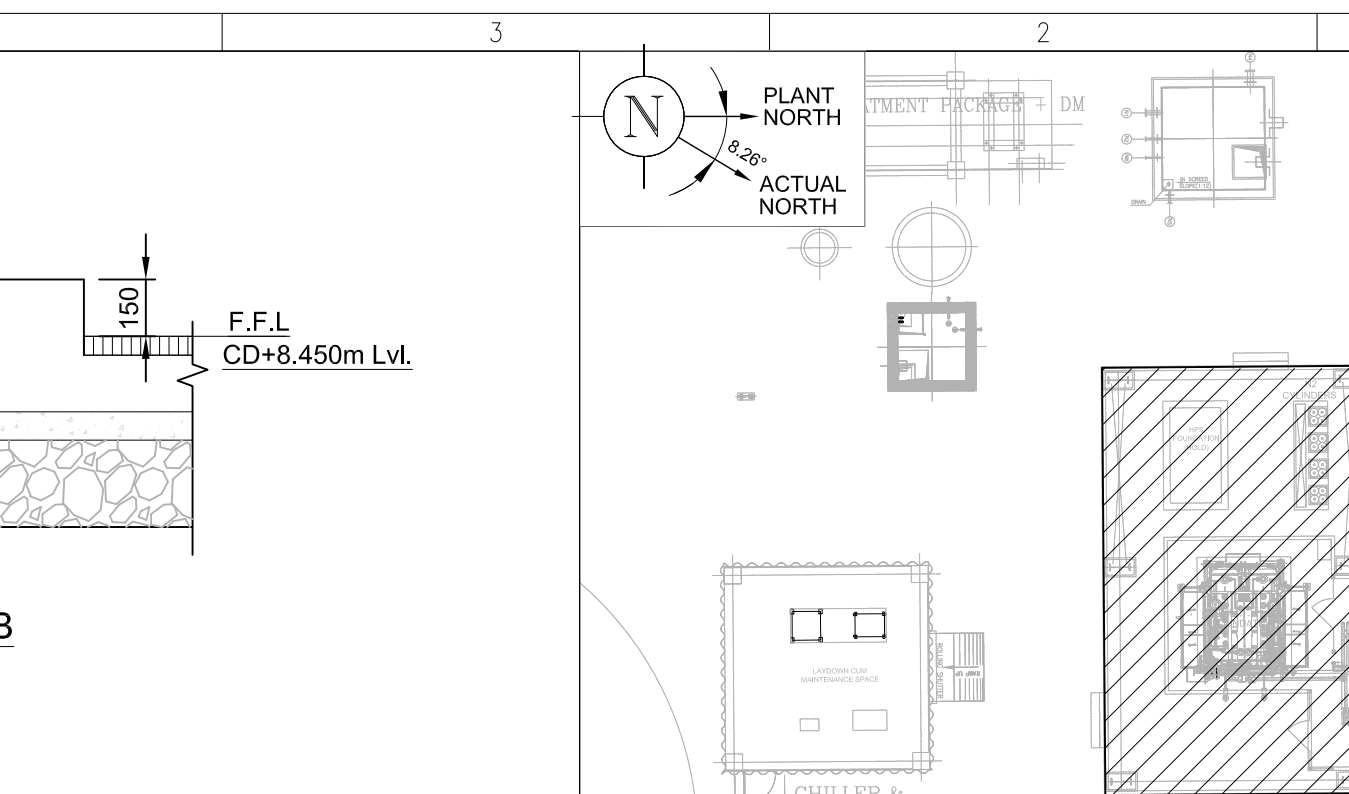
VIEW M
SCALE 1:30



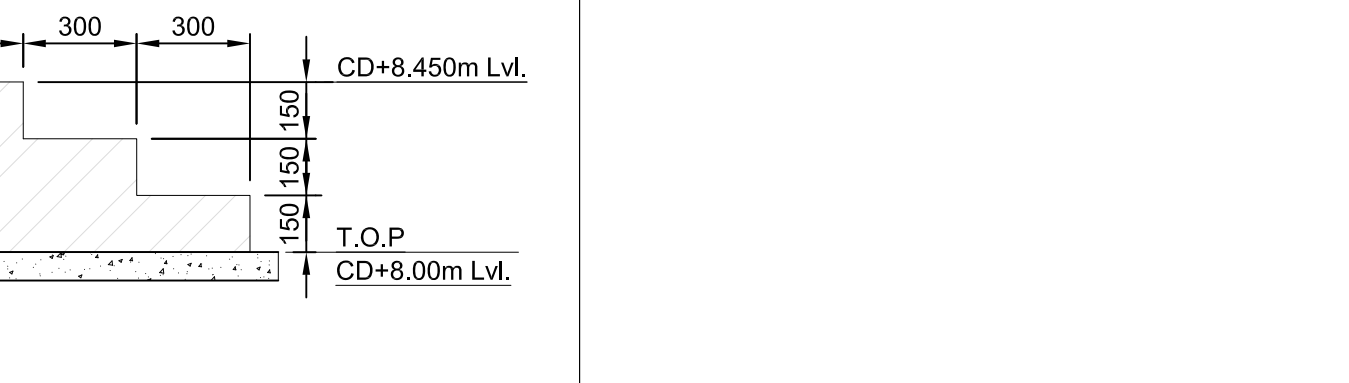
SECTION H-H
SCALE 1:20



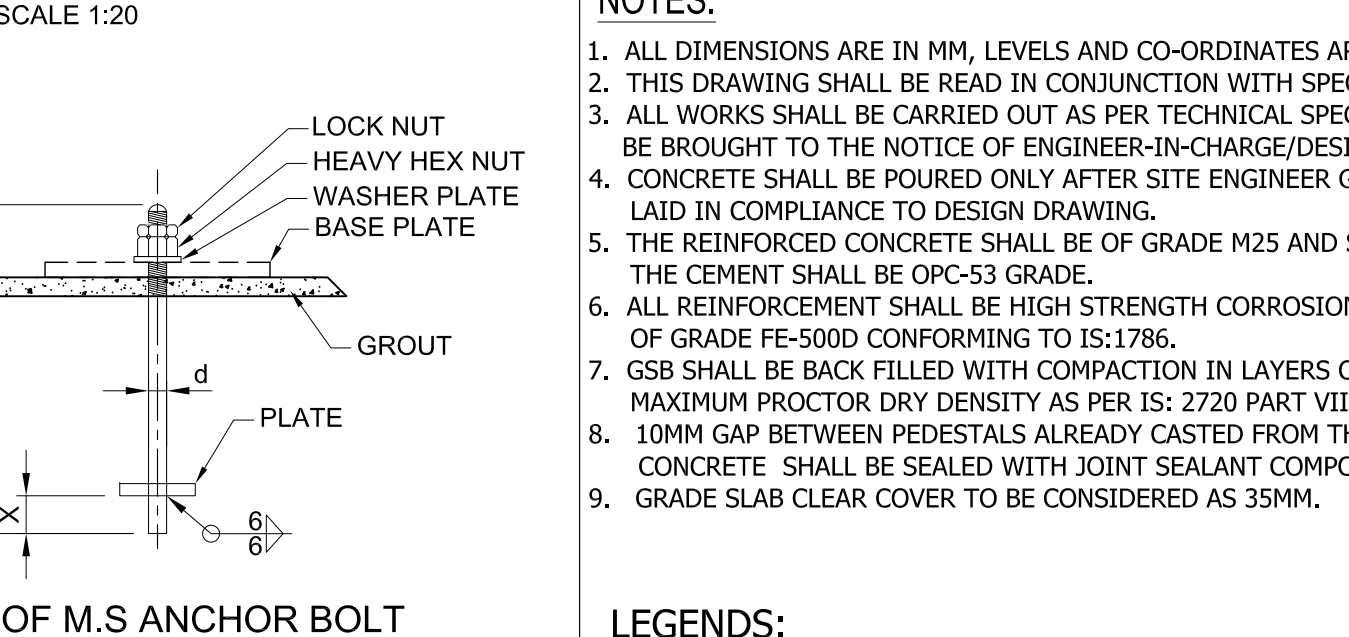
REINFORCEMENT SCHEDULE OF PEDESTAL



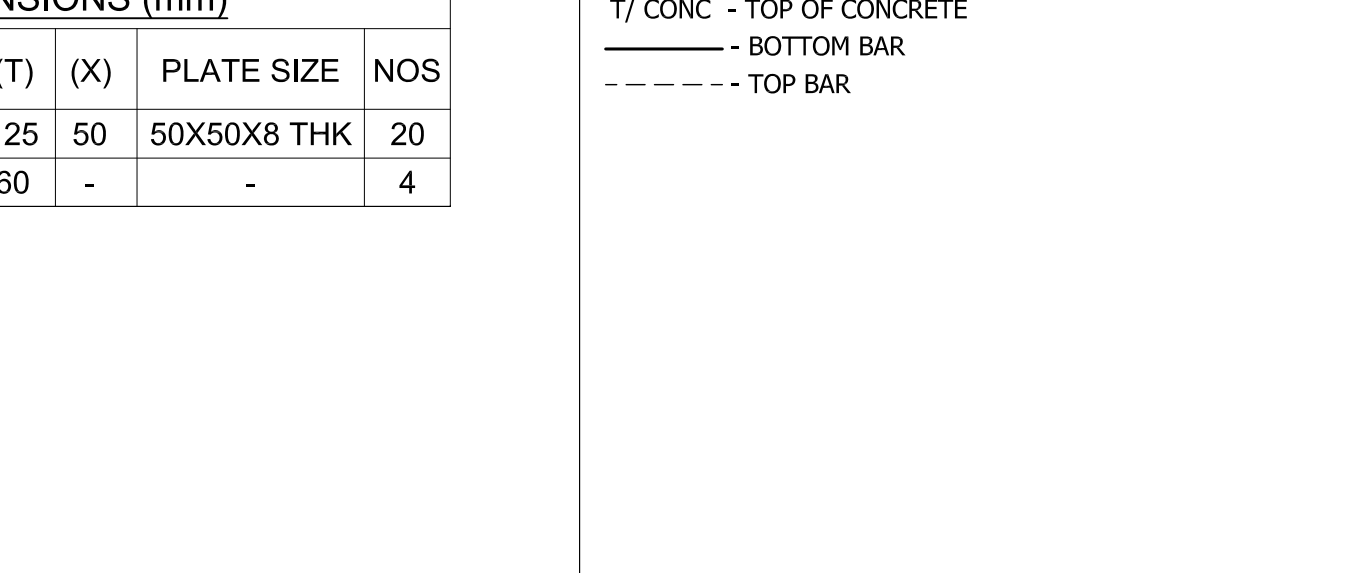
PART KEY PLAN



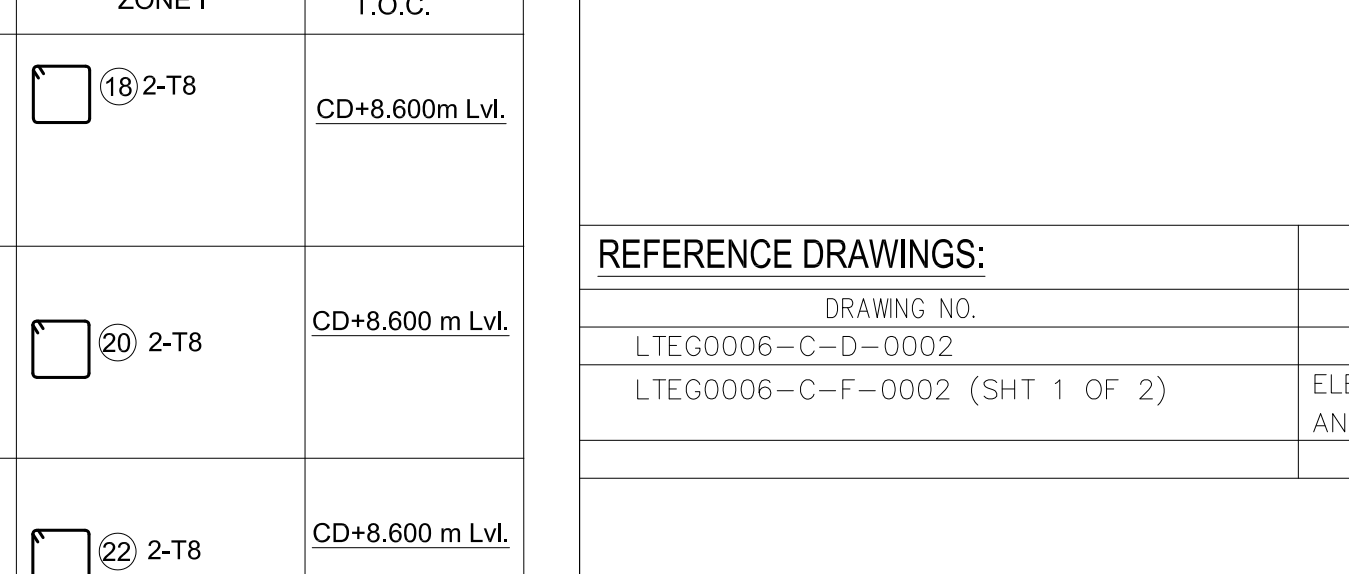
SECTION G-G
SCALE 1:20



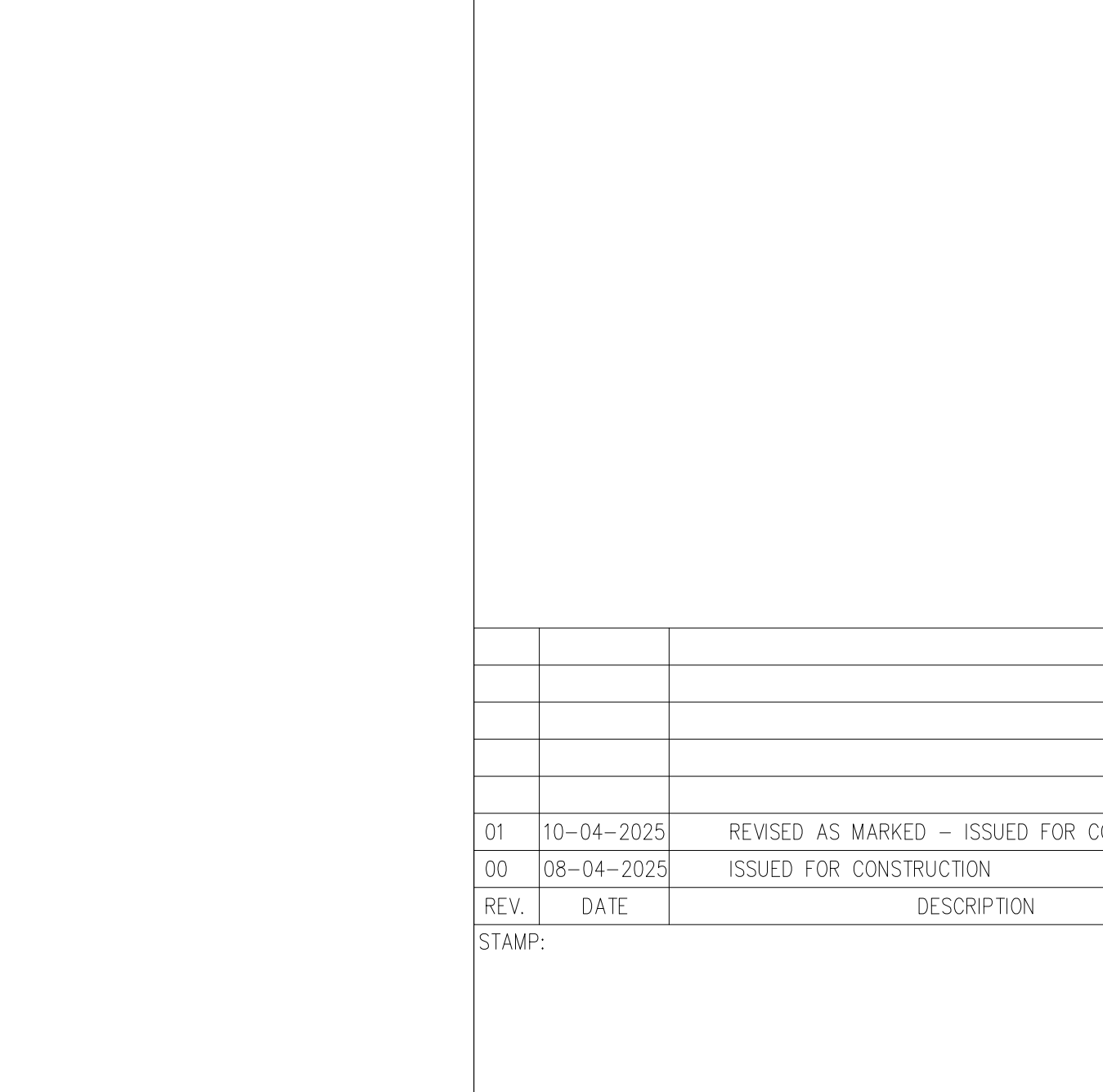
DETAIL OF M.S ANCHOR BOLT
(CLASS 4.6)
SCALE 1:10



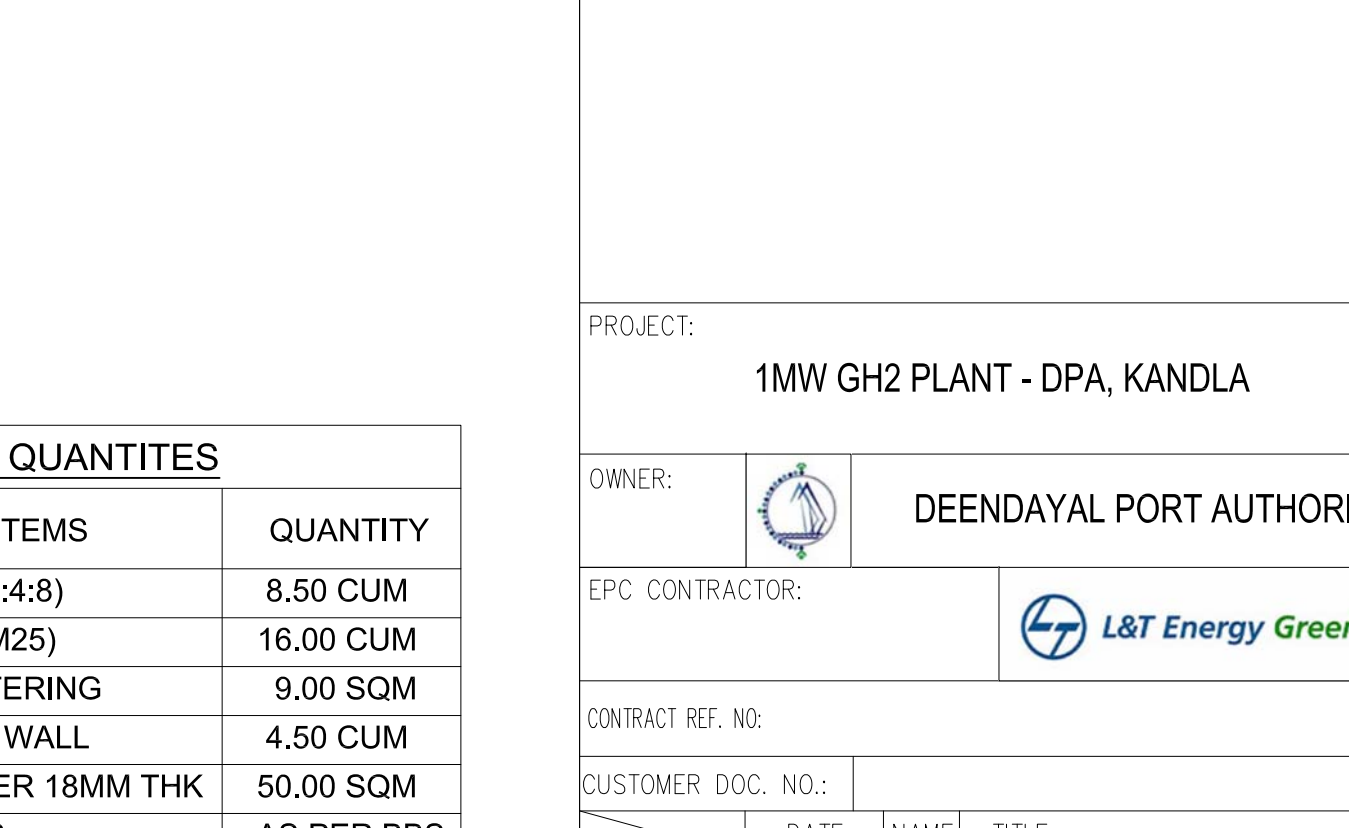
BOLT DIMENSIONS (mm)
SCALE 1:10



REFERENCE DRAWINGS



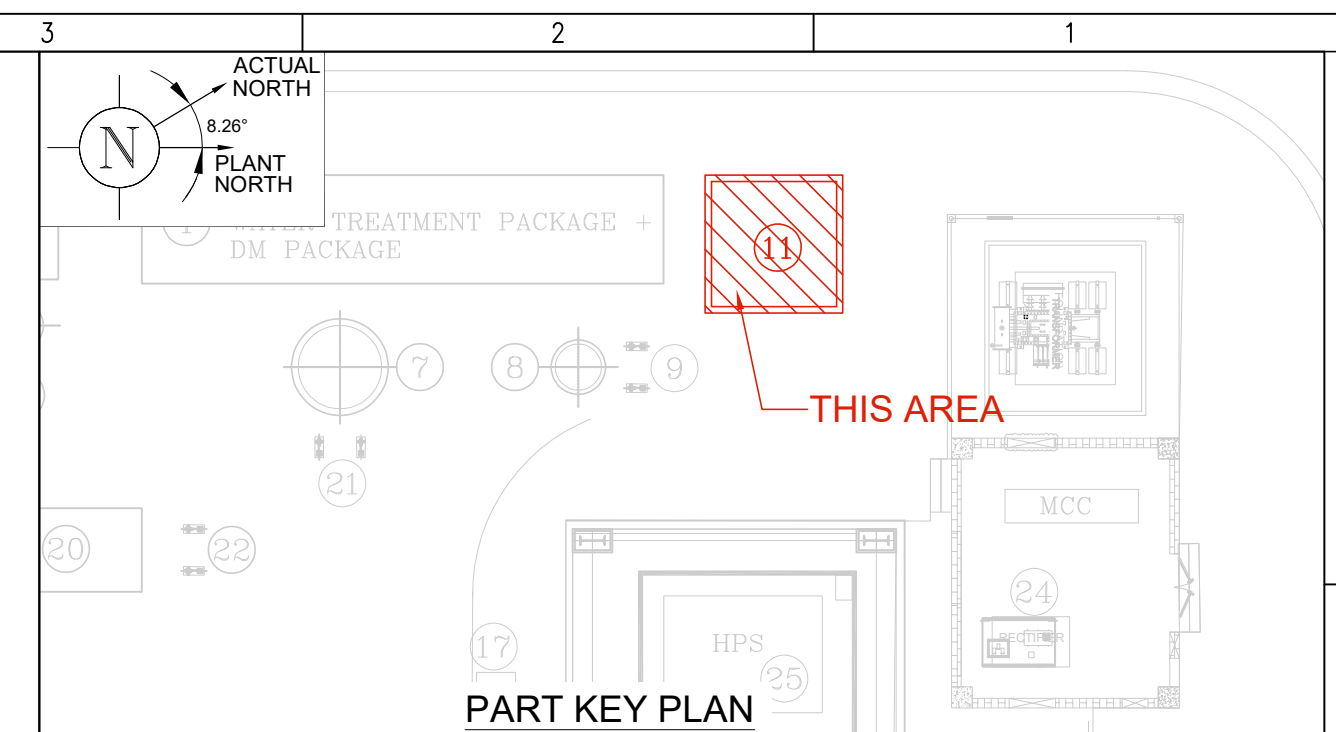
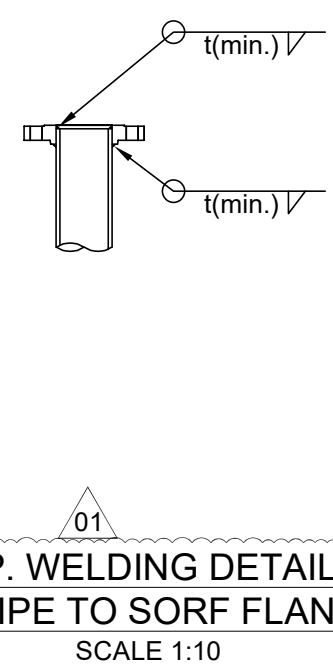
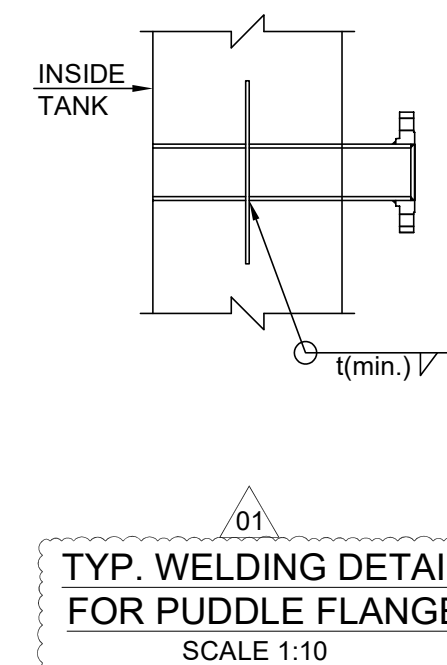
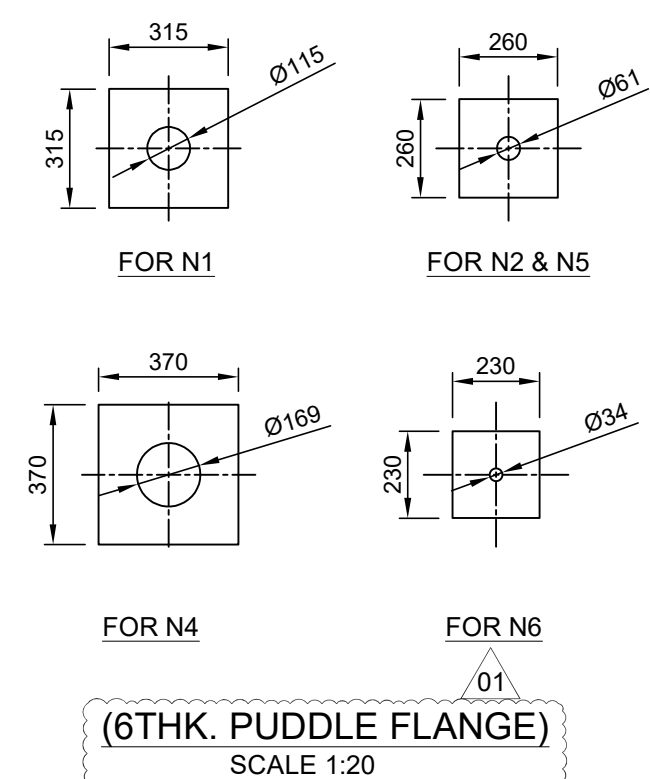
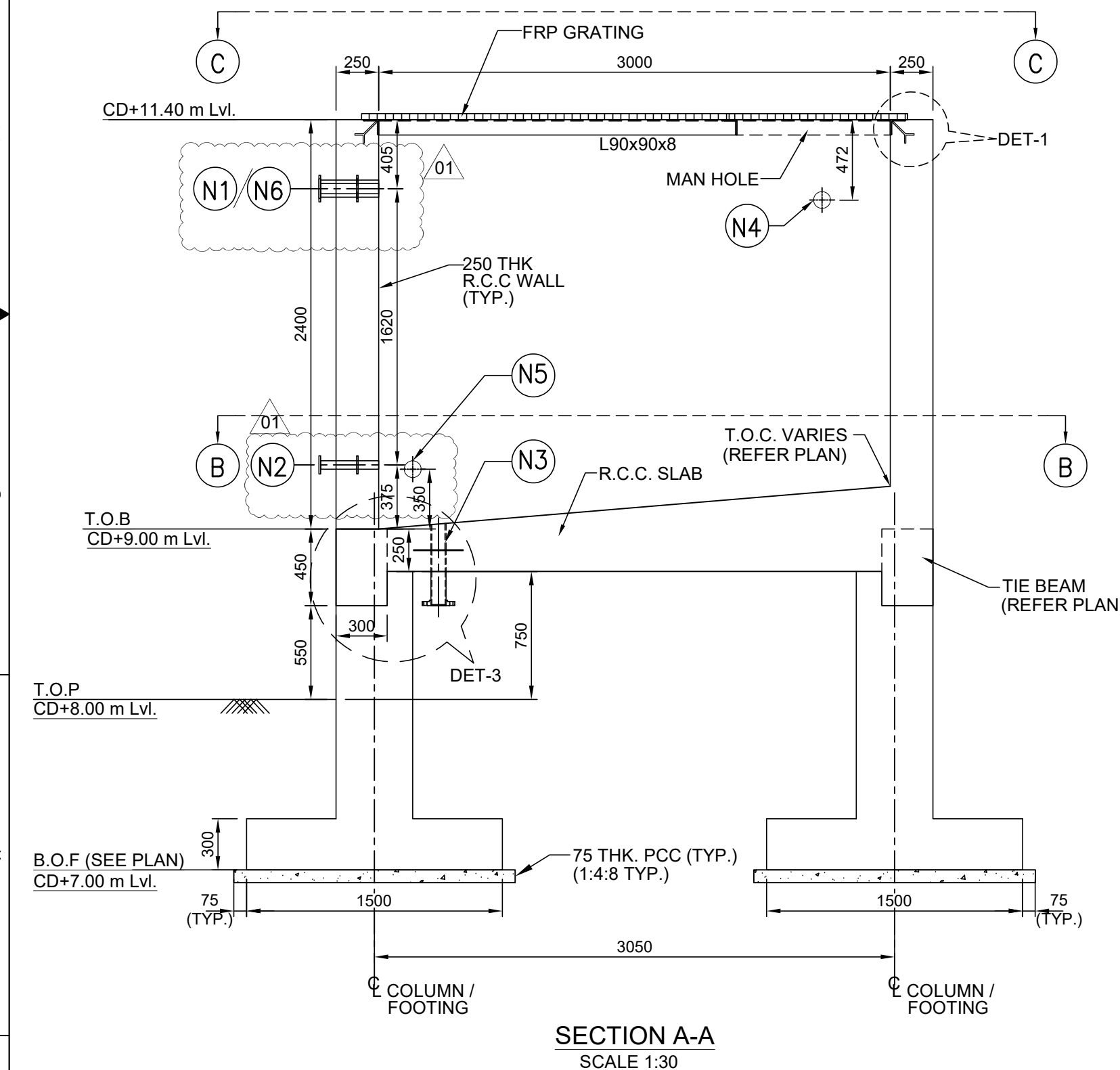
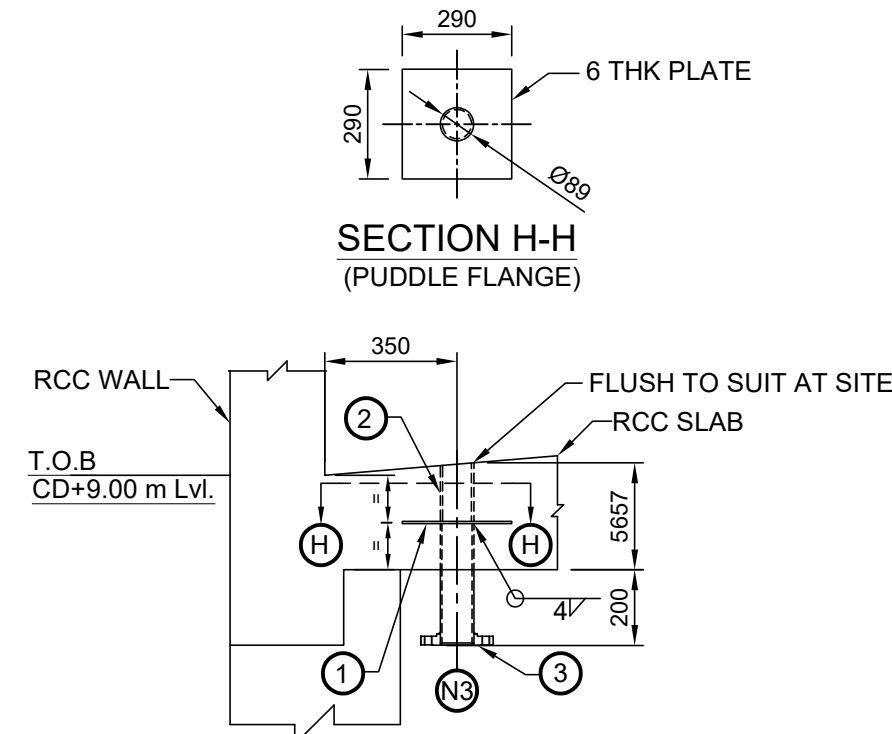
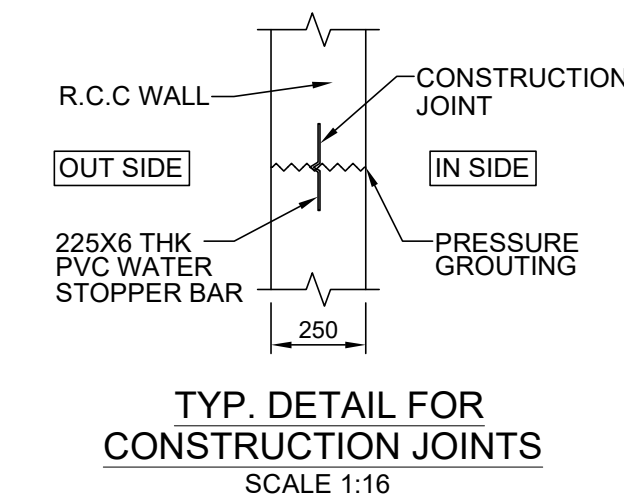
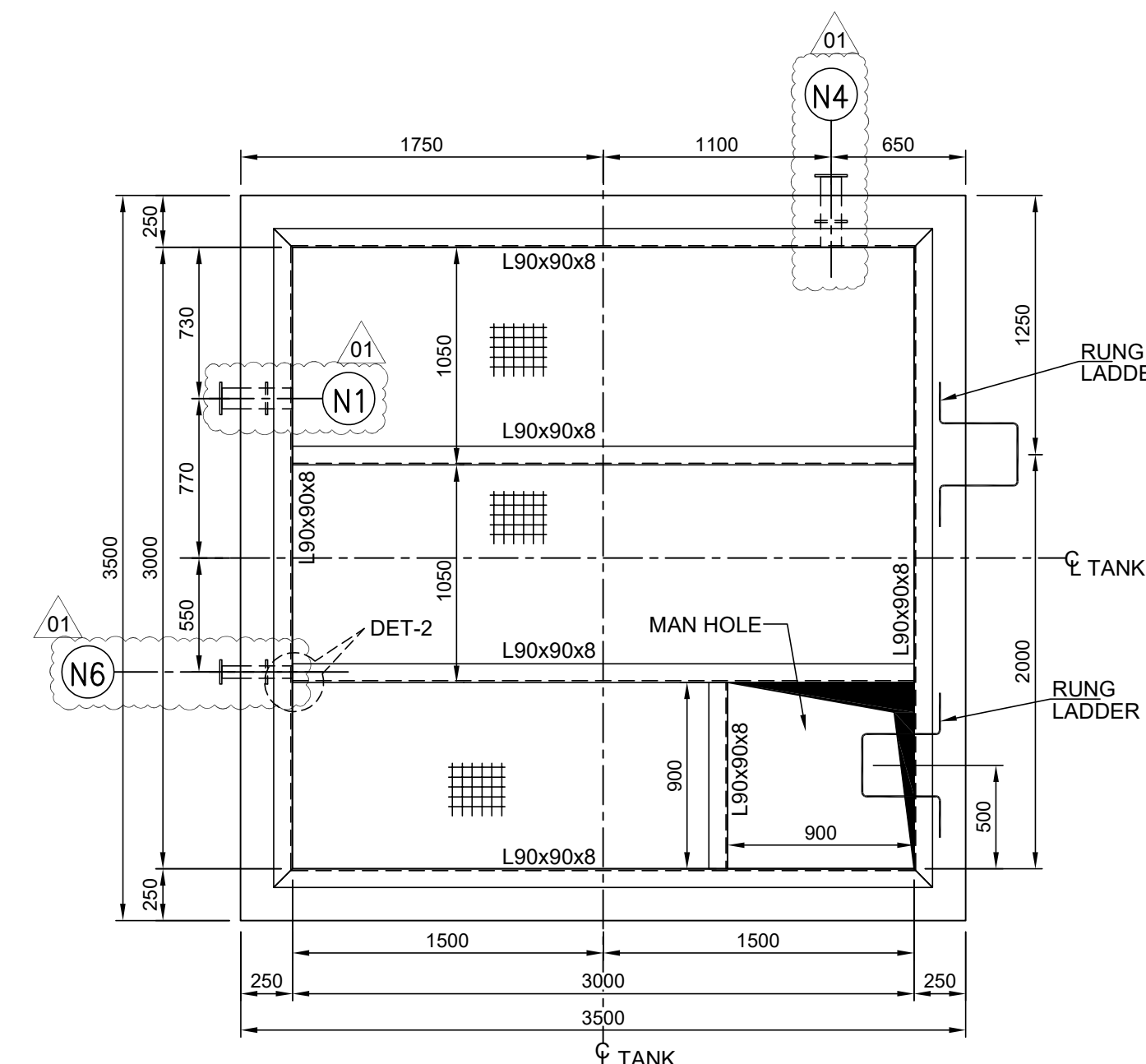
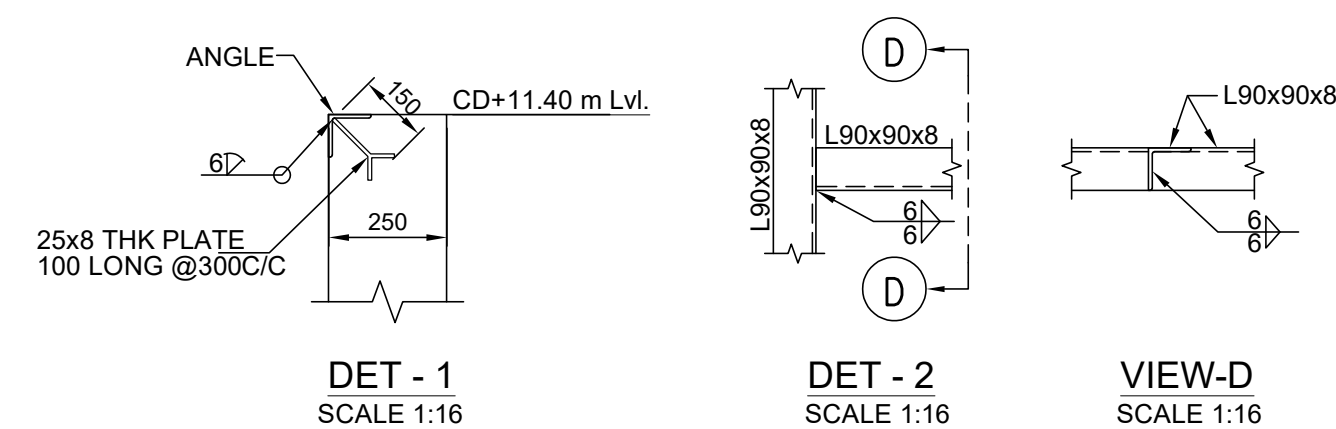
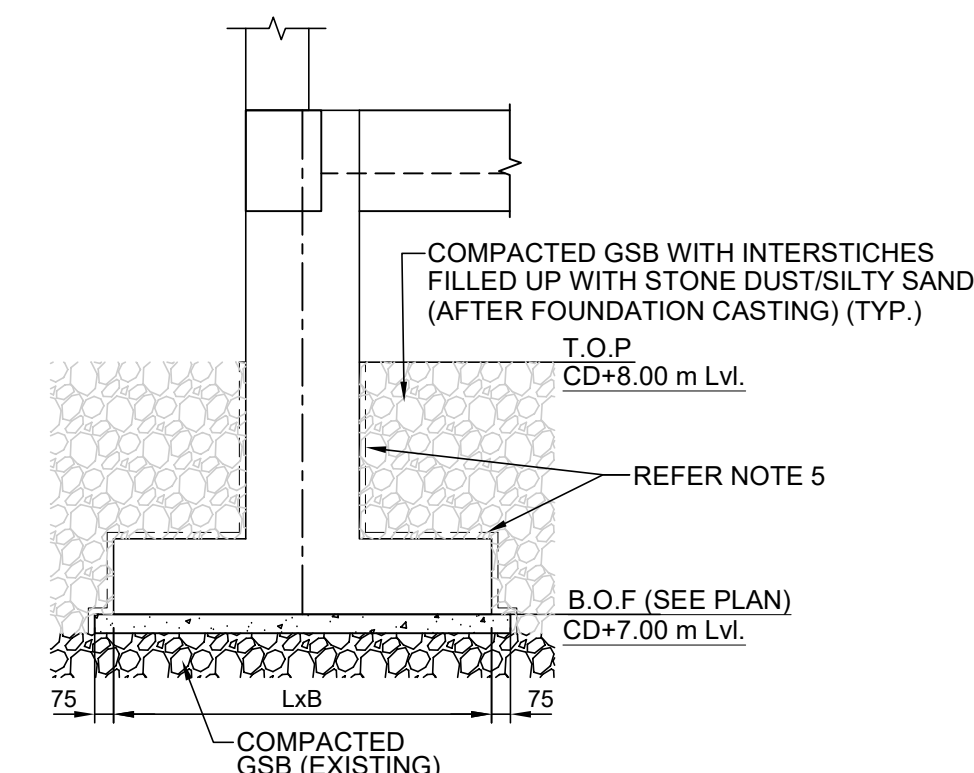
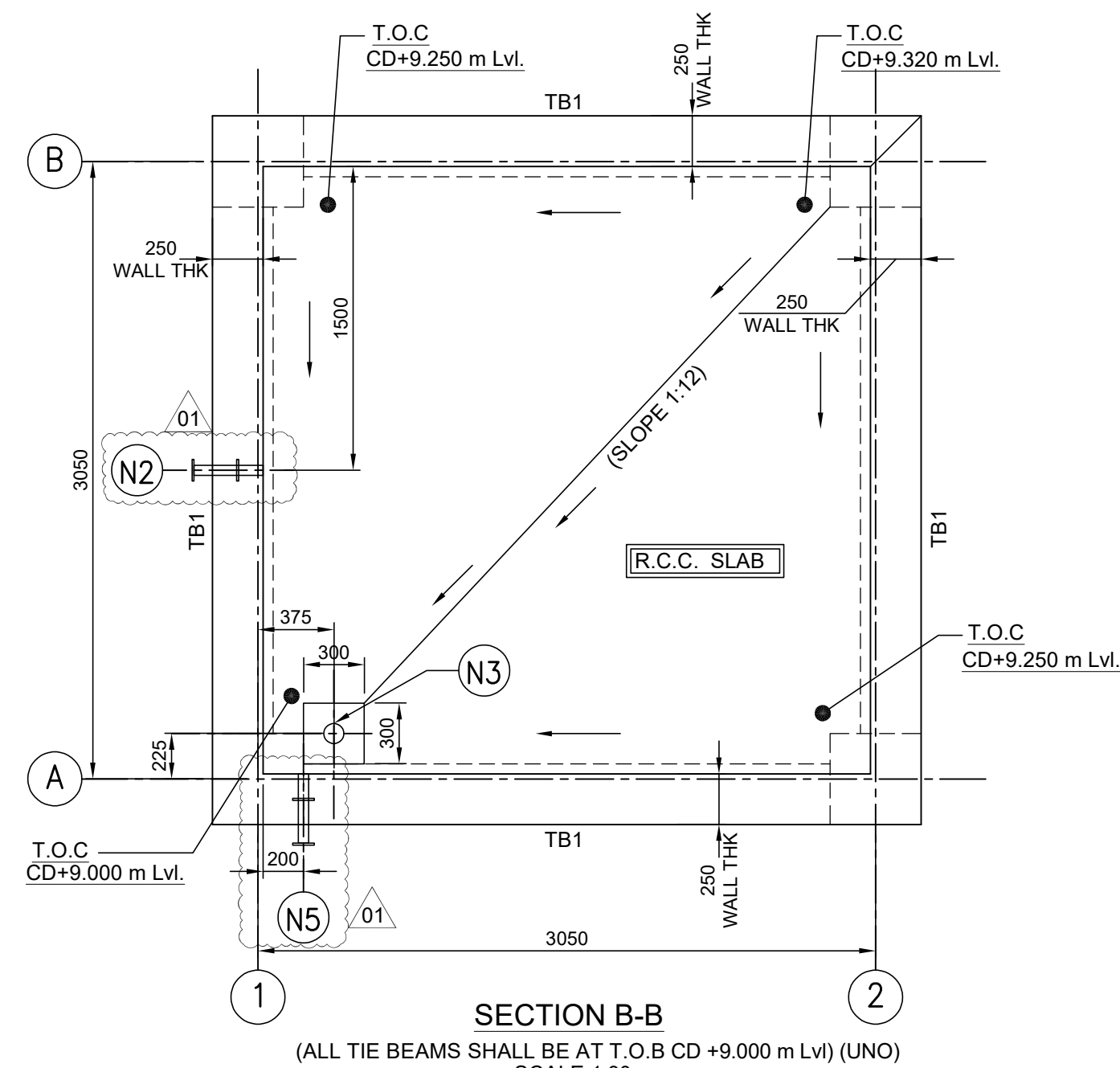
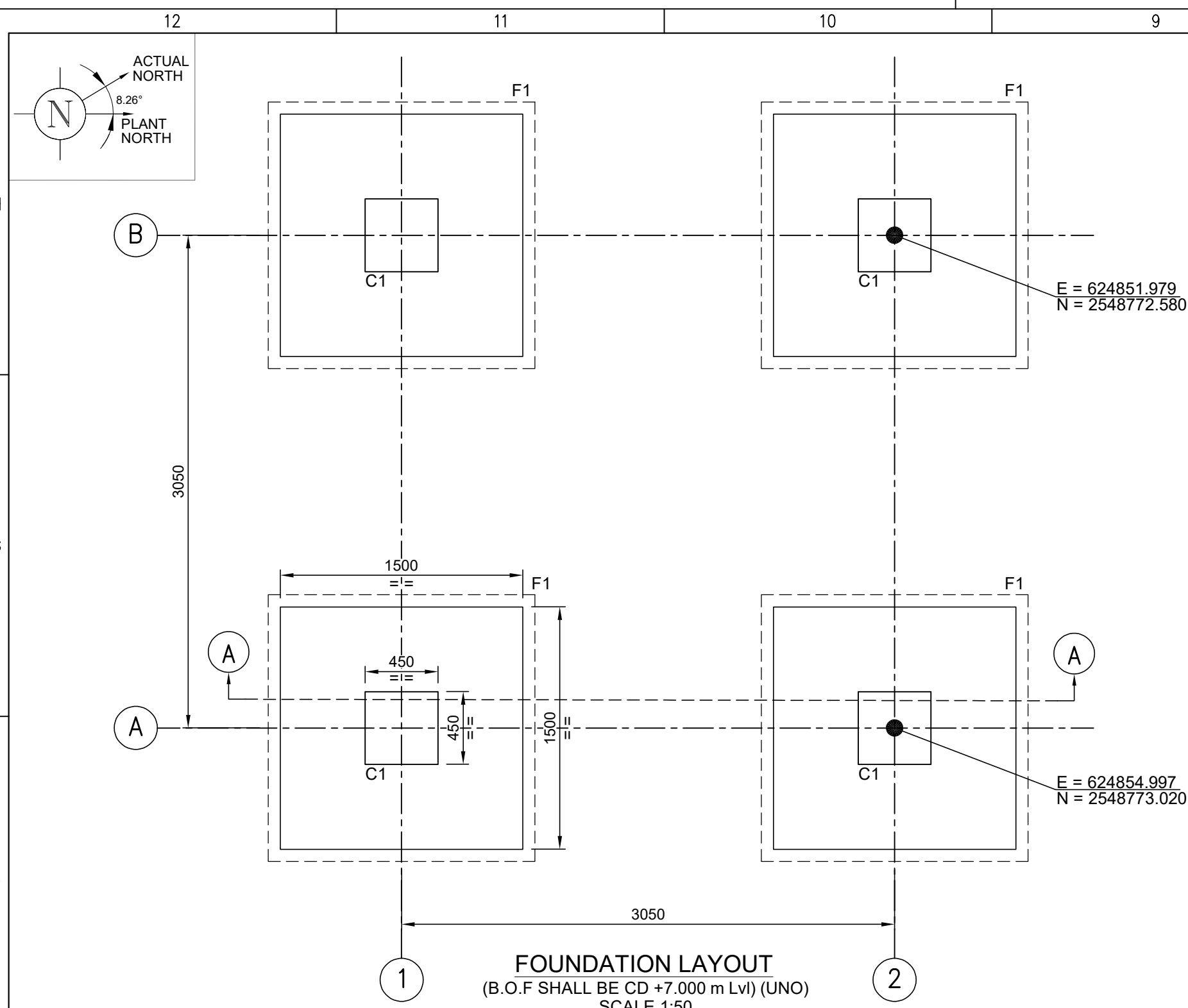
REVISIONS



PROJECT INFORMATION



APPROXIMATE QUANTITIES



- NOTES:**
1. ALL DIMENSIONS ARE IN MM, LEVELS AND CO-ORDINATES ARE IN METER UNLESS NOTED OTHERWISE. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH SPECIFICATION AND BILL OF QUANTITIES.
 2. ALL WORKS SHALL BE CARRIED OUT AS PER TECHNICAL SPECIFICATION, AND ANY DIFFERENCE SHALL BE BROUGHT TO THE NOTICE OF ENGINEER-IN-CHARGE/DESIGN OFFICE.
 3. CONCRETE SHALL BE POURED ONLY AFTER SITE ENGINEER GIVES INSPECTION CLEARANCE FOR REBAR LAID IN COMPLIANCE TO DESIGN DRAWING.
 4. THE CONCRETE SURFACE BELOW GROUND SHALL BE PROTECTED WITH MINIMUM TWO COATS OF BITUMINOUS PAINT WITH COAL TAR AT LEAST OF 1.2KG/SQ. M PER COAT.
 5. NET SAFE BEARING CAPACITY CONSIDERED AT FOUNDING LEVEL IS 15T/SQ. M. AT THE DEPTH OF 1.0 METER BELOW FGL BASED ON GEOTECHNICAL INVESTIGATION REPORT CARRIED OUT BY M/S SIMCON TECHNOLOGY PVT LTD, DOCUMENT NO. STPL/SBCBH/2024-25/250107-72/50, RA-4.
 6. IN CASE OF OVER EXCAVATION BELOW THE FOUNDING LEVEL, THE PORTION BELOW THE FOOTING SHALL BE FILLED UP WITH PLUM CONCRETE (1:5:10).
 7. THE REINFORCED CONCRETE SHALL BE OF GRADE M30 AND SHOULD CONFORM TO IS:456-2000. THE CEMENT SHALL BE OF GRADE 53.
 8. ALL REINFORCEMENT SHALL BE HIGH STRENGTH CORROSION RESISTANT COATED DEFORMED BAR OF GRADE FE-500D CONFORMING TO IS:1786.
 9. CONSTRUCTION JOINT IN THE WALL SHALL BE PROVIDED AS PER THE DETAIL GIVEN IN THE DRAWING. PREFERABLE LOCATIONS SHALL BE AT THE BASE SLAB LEVEL AND ONE INTERMEDIATE LEVEL (AS DECIDED BY SITE).
 10. SEA WATER TANK INTERNAL SURFACE SHALL BE EPOXY COATED WITH HARDENER IN MIN. 5:1 RATIO BY WEIGHT AND SHALL BE OF MINIMUM 100UM WITH MINIMUM 2 LAYERS.

- SPECIAL NOTES:**
1. ANY LOOSE SOIL FOUND AT FOUNDING LEVEL OF THE FOUNDATION SHALL BE REPLACED WITH LEAN CONCRETE (1:5:10).
 2. GSB SHALL BE BACK FILLED WITH COMPACTION IN LAYERS OF 200 MM THICK TO ACHIEVE THE 95% MAXIMUM PROCTOR DRY DENSITY AS PER IS: 2720 PART VIII.
 3. FOUNDATION BOTTOM SHALL BE WELL COMPACTED WITH 10 TON VIBRO ROLLER WITH MINIMUM 10 PASSES.
 4. IT MUST BE ENSURED THAT NO LOCALIZED LOOSE SPOTS, CONTAMINATED, DISTURBED SOIL OR UNSUITABLE FILL MATERIALS EXIST UNDERNEATH THE FOUNDATION DURING THE CONSTRUCTION STAGE.
 5. CARE SHOULD BE TAKEN DURING EXCAVATION AND CONSTRUCTION OF FOUNDATION TO PREVENT DISTURBANCE OF THE BEARING SOIL AT THE LEVEL OF THE FOUNDATION.
 6. THE BASE OF ALL FOUNDATION EXCAVATIONS SHOULD BE CLEANED OF WATER AND LOOSE OR SATURATED SOIL PRIOR TO PLACING CONCRETE. CONCRETE SHOULD BE PLACED AS SOON AS POSSIBLE AFTER EXCAVATING.

- | | |
|------------------------------|---|
| LEGENDS: | |
| B.O.F - BOTTOM OF FOUNDATION | T.O.C - TOP OF CONCRETE |
| T.O. - TOP OF |  - FRP GRATING |
| T.O.B - TOP OF BEAM | |
| T.O.P - TOP OF PAVEMENT |  - CUTOUT |
| C - CENTER LINE | |

**TOP OF PAVEMENT SHALL BE CD(+)8.00M
(AS PER INFORMATION RECEIVED FROM CUSTOMER).**

REFERENCE DRAWINGS:	
DRAWING NO.	DRAWING TITLE
LTEG0006-C-D-0002	GENERAL NOTES
STPL/SBCBH/2024-25/250107-72/50, RA-4.	SOIL INVESTIGATION REPORT

HOLD LIST:

01	20-03-2025	REVISED AS MARKED	ISSUED FOR CONSTRUCTION	AKP	JKG	IB
00	28-02-2025		ISSUED FOR CONSTRUCTION	AKP	JKG	IB
REV.	DATE	DESCRIPTION		PPD	CHD	APPD
STAMP:						

PROJECT:	1MW GH2 PLANT - DPA, KANDLA
----------	-----------------------------

OWNER:		DEENDAYAL PORT AUTHORITY, KANDLA
--------	---	----------------------------------

S	EPC CONTRACTOR:	 L&T Energy GreenTech
---	-----------------	---

CONTRACT REF. NO:	
-------------------	--

CUSTOMER DOC. NO.:	
--------------------	--

	DATE	NAME	TITLE:
--	------	------	--------

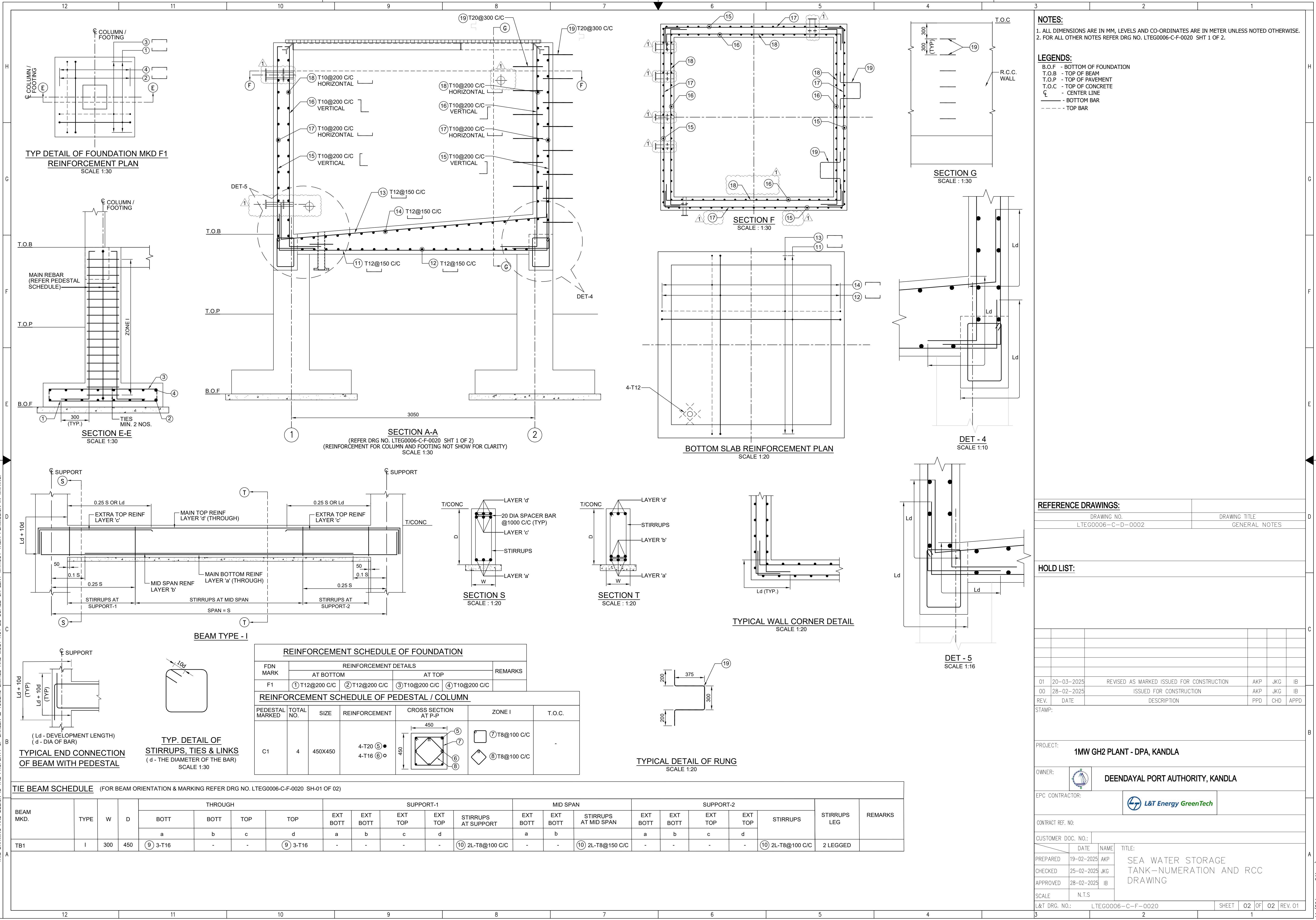
PREPARED	19-02-2025	AKP	SEA WATER STORAGE
----------	------------	-----	-------------------

CHECKED	25-02-2025	JKG	TANK-NUMERATION AND RCC
---------	------------	-----	-------------------------

APPROVED	28-02-2025	IB	DRAWING
----------	------------	----	---------

SCALE	N.T.S
-------	-------

A1 (594mm x 841mm)



NOTES:
1. ALL DIMENSIONS ARE IN MM, LEVELS AND CO-ORDINATES ARE IN METER UNLESS NOTED OTHERWISE.
2. FOR ALL OTHER NOTES REFER DRG NO. LTEG0006-C-F-0020 SHT 1 OF 2.

LEGENDS:
B.O.F - BOTTOM OF FOUNDATION
T.O.B - TOP OF BEAM
T.O.P - TOP OF PAVEMENT
T.O.C - TOP OF CONCRETE
CL - CENTER LINE
- - - - - BOTTOM BAR
- - - - - TOP BAR

REFERENCE DRAWINGS:		DRAWING TITLE	
DRAWING NO.	LTEG0006-C-D-0002	DRAWING TITLE	GENERAL NOTES

HOLD LIST:

01	20-03-2025	REVISED AS MARKED ISSUED FOR CONSTRUCTION	AKP	JKG	IB
00	28-02-2025	ISSUED FOR CONSTRUCTION	AKP	JKG	IB
REV.	DATE	DESCRIPTION	PPD	CHD	APPD

PROJECT: **1MW GH2 PLANT - DPA, KANDLA**

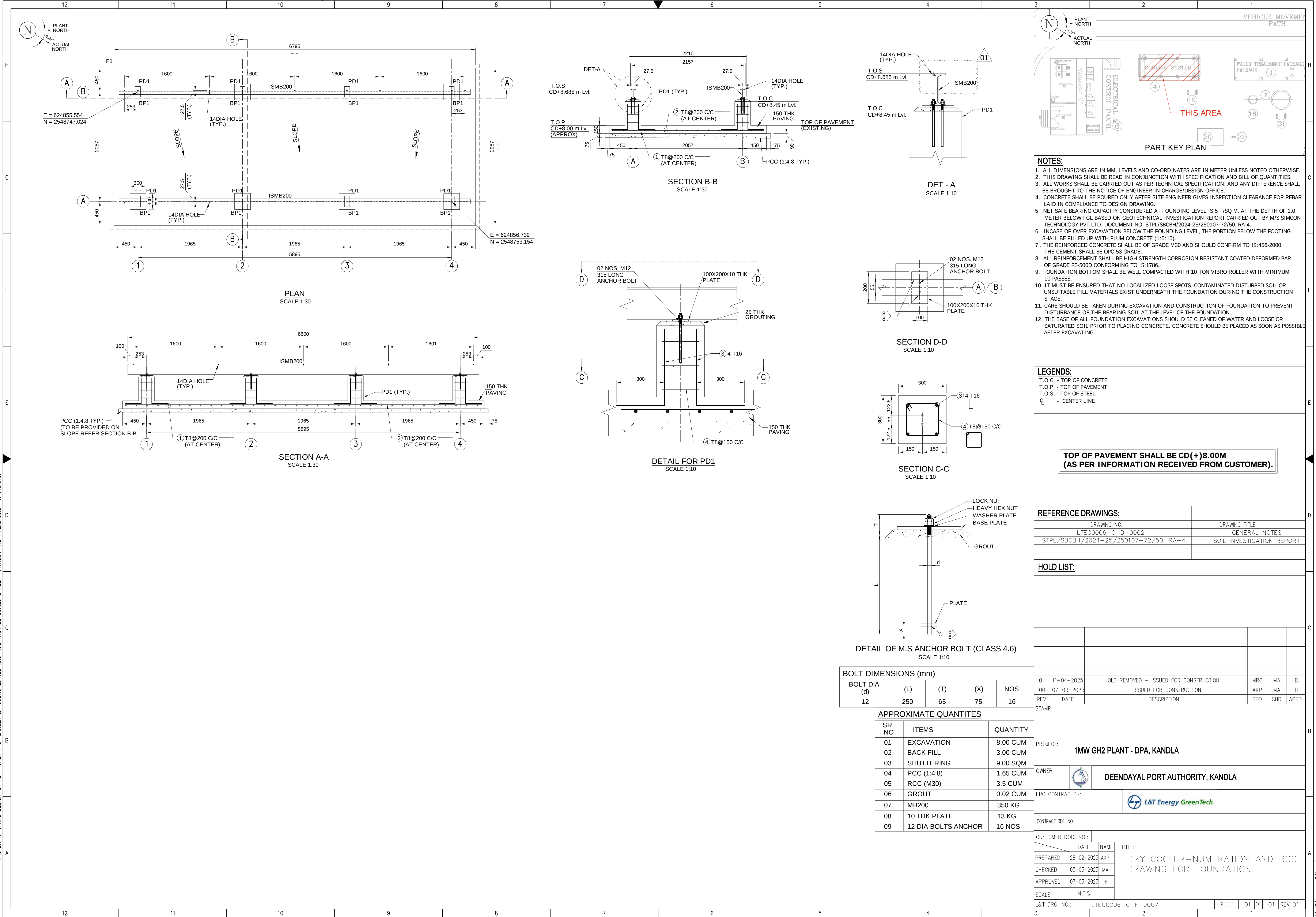
OWNER: **DEENDAYAL PORT AUTHORITY, KANDLA**

EPC CONTRACTOR: **L&T Energy GreenTech**

CONTRACT REF. NO:

CUSTOMER DOC. NO:

DATE	NAME	TITLE:
19-02-2025	AKP	SEA WATER STORAGE
25-02-2025	JKG	TANK-NUMERATION AND RCC
28-02-2025	IB	DRAWING
SCALE	N.T.S	



FOUNDATION PLAN
(B.O.F. SHALL BE AT CD+7.000m Lvl (UNO))
SCALE 1:30

DETAIL OF FOUNDATION MKD F1
REINFORCEMENT PLAN
SCALE 1:30

DETAIL OF PEDESTAL P1
SCALE 1:10

SECTION A-A
SCALE 1:30

SECTION A-A
SCALE 1:30

SECTION B-B
SCALE 1:30

SECTION B-B
SCALE 1:30

TAIL OF M.S ANCHOR BOLT (CLASS 4.6)
SCALE 1:10

BOLT DIMENSIONS (mm)			
BOLT DIA (d)	(L)	(T)	NOS
12	200	100	12

APPROXIMATE QUANTITIES		
Sr. No	ITEMS	QUANTITY
01	EXCAVATION	19.00 CUM
02	BACK FILL	15.50 CUM
03	SHUTTERING	16.00 SQM
04	PCC (1:4:8)	0.80 CUM
05	RCC (M30)	3.65 CUM
06	GROUT	0.012 CUM
07	REBAR	AS PER BBS
08	BITUMINOUS PAINT	20 SQM

NOTES:

1. ALL DIMENSIONS ARE IN MM, LEVELS AND CO-ORDINATES ARE IN METER UNLESS NOTED OTHERWISE.
2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH SPECIFICATION AND BILL OF QUANTITIES.
3. ALL WORKS SHALL BE CARRIED OUT AS PER TECHNICAL SPECIFICATION, AND ANY DIFFERENCE SHALL BE BROUGHT TO THE NOTICE OF ENGINEER-IN-CHARGE/DESIGN OFFICE.
4. CONCRETE SHALL BE POURED ONLY AFTER SITE ENGINEER GIVES INSPECTION CLEARANCE FOR REBAR LAID IN COMPLIANCE TO DESIGN DRAWING.
5. THE CONCRETE SURFACE BELOW GROUND SHALL BE PROTECTED WITH MINIMUM TWO COATS OF BITUMINOUS PAINT WITH COAL TAR AT LEAST OF 1.2KG/SQ. M PER COAT.
6. NET SAFE BEARING CAPACITY CONSIDERED AT FOUNDING LEVEL IS 5 T/SQ. M. AT THE DEPTH OF 1.0 METER BELOW FGL BASED ON GEOTECHNICAL INVESTIGATION REPORT CARRIED OUT BY M/S SIMCON TECHNOLOGY PVT LTD, DOCUMENT NO. STPL/SCBCH/2024-25/250172-72/50, RA-4.
7. INCASE OF OVER EXCAVATION BELOW THE FOUNDING LEVEL, THE PORTION BELOW THE FOOTING SHALL BE FILLED UP WITH PLUM CONCRETE. (1:5:10).
8. THE REINFORCED CONCRETE SHALL BE OF GRADE M30 AND SHOULD CONFORM TO IS:456-2000. THE CEMENT SHALL BE OPC-53 GRADE.
9. ALL REINFORCEMENT SHALL BE HIGH STRENGTH CORROSION RESISTANT COATED DEFORMED BAR OF GRADE FE-500D CONFORMING TO IS:1786.
10. FOUNDATION BOTTOM SHALL BE WELL COMPACTED WITH 10 TON VIBRO ROLLER WITH MINIMUM 10 PASSES.
11. IT MAY BE ENSURED THAT NO LOCALIZED LOOSE SPOTS, CONTAMINATED, DISTURBED SOIL OR UNSUITABLE FILL MATERIALS EXIST UNDERNEATH THE FOUNDATION DURING THE CONSTRUCTION STAGE.
12. CARE SHOULD BE TAKEN DURING EXCAVATION AND CONSTRUCTION OF FOUNDATION TO PREVENT DISTURBANCE OF THE BEARING SOIL AT THE LEVEL OF THE FOUNDATION.
13. THE BASE OF ALL FOUNDATION EXCAVATIONS SHOULD BE CLEANED OF WATER AND LOOSE OR SATURATED SOIL PRIOR TO PLACING CONCRETE. CONCRETE SHOULD BE PLACED AS SOON AS POSSIBLE AFTER EXCAVATING.
14. GSB SHALL BE BACK FILLED WITH COMPACTION IN LAYERS OF 200 MM THICK TO ACHIEVE THE 95% MAXIMUM PROCTOR DRY DENSITY AS PER IS: 2720 PART VIII.

LEGENDS:

T.O.C - TOP OF CONCRETE
T.O.P - TOP OF PAVEMENT
B.O.F - BOTTOM OF FOUNDATION
CL - CENTER LINE

**TOP OF PAVEMENT SHALL BE CD(+)8.00M
(AS PER INFORMATION RECEIVED FROM CUSTOMER).**

REFERENCE DRAWINGS:	
DRAWING NO.	DRAWING TITLE
LTEG0006-C-D-0002	GENERAL NOTES
STPL/SBCBH/2024-25/250107-72/50, RA-4.	SOIL INVESTIGATION REPORT

						c

00	24-03-2025	ISSUED FOR CONSTRUCTION	MRC	MA	IB
REV.	DATE	DESCRIPTION	PPD	CHD	APPD
STAMP:					

PROJECT:	1MW GH2 PLANT - DPA, KANDLA
----------	-----------------------------

OWNER:		DEENDAYAL PORT AUTHORITY, KANDLA
--------	---	----------------------------------

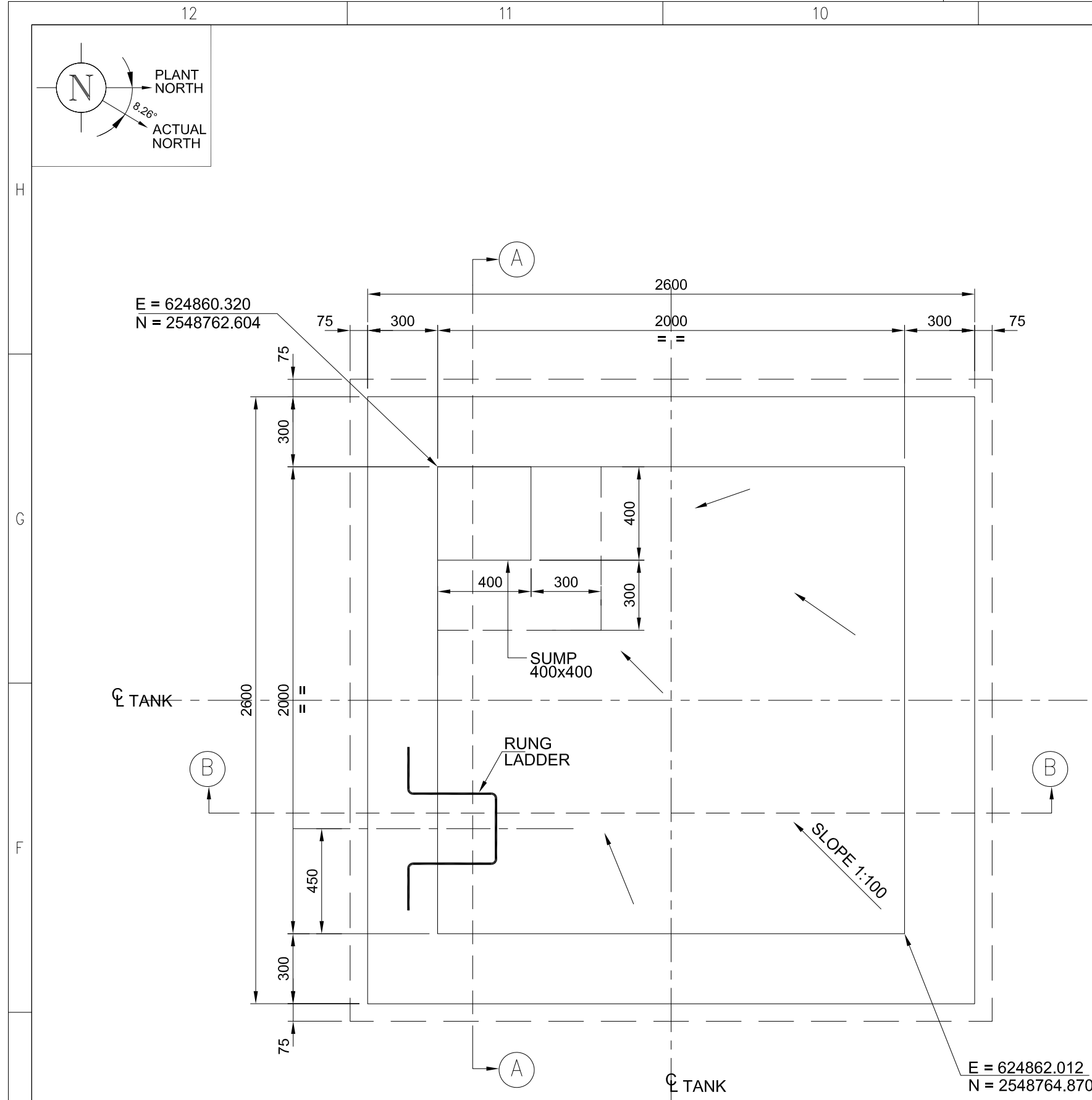
EPC CONTRACTOR:	
-----------------	---

CONTRACT REF. NO:	
-------------------	--

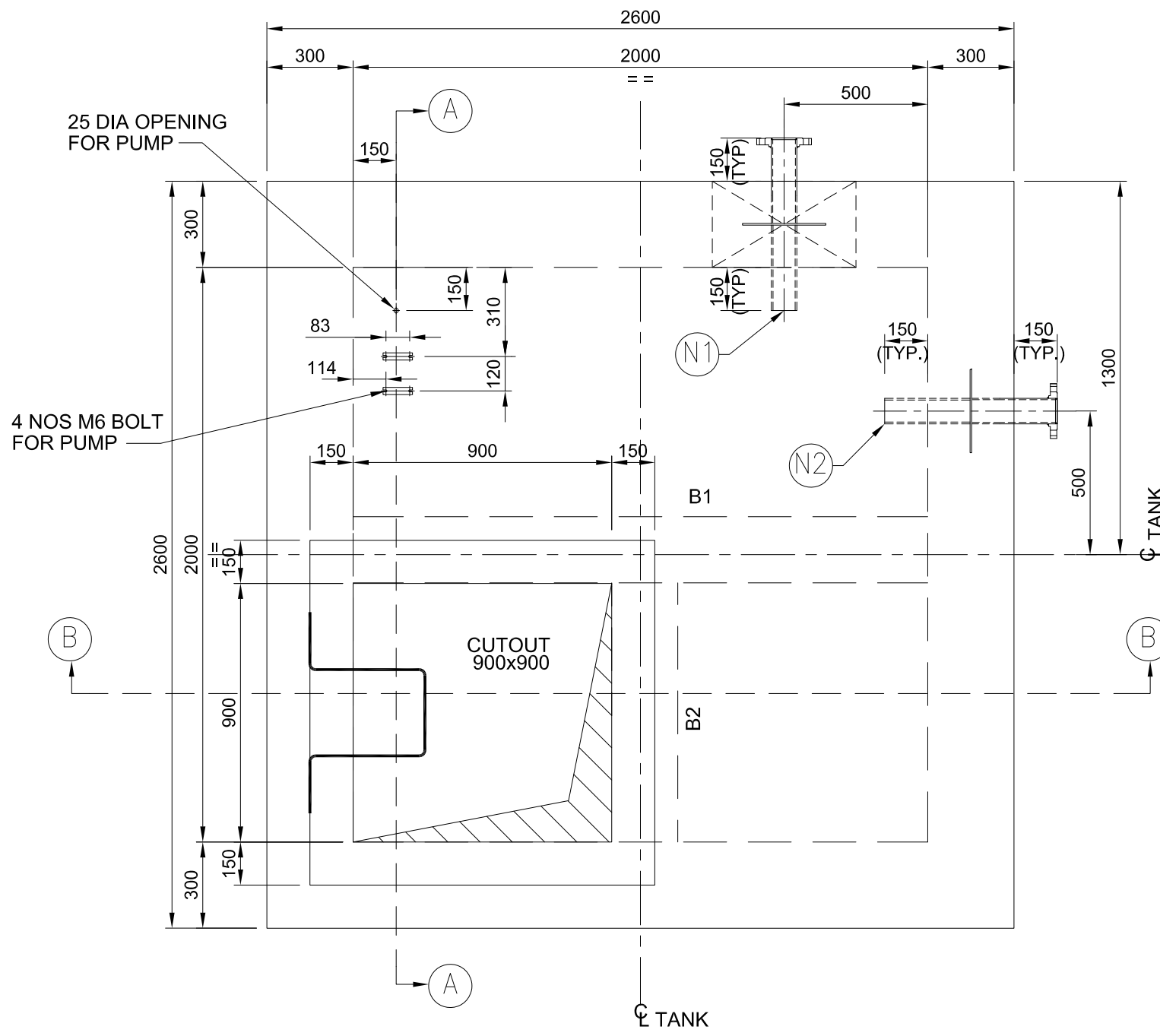
CUSTOMER DOC. NO.:		TITLE:	
DATE	NAME	HYDROGEN STORAGE –NUMERATION AND RCC DRAWING FOR FOUNDATION	
PREPARED 17-03-2025	MRC		
CHECKED 18-03-2025	MA		
APPROVED 21-03-2025	IB		
SCALE	N.T.S		

L&T DRG. NO.:	LTEG0006-C-F-0015	SHEET	01	OF	01	REV. 00
---------------	-------------------	-------	----	----	----	---------

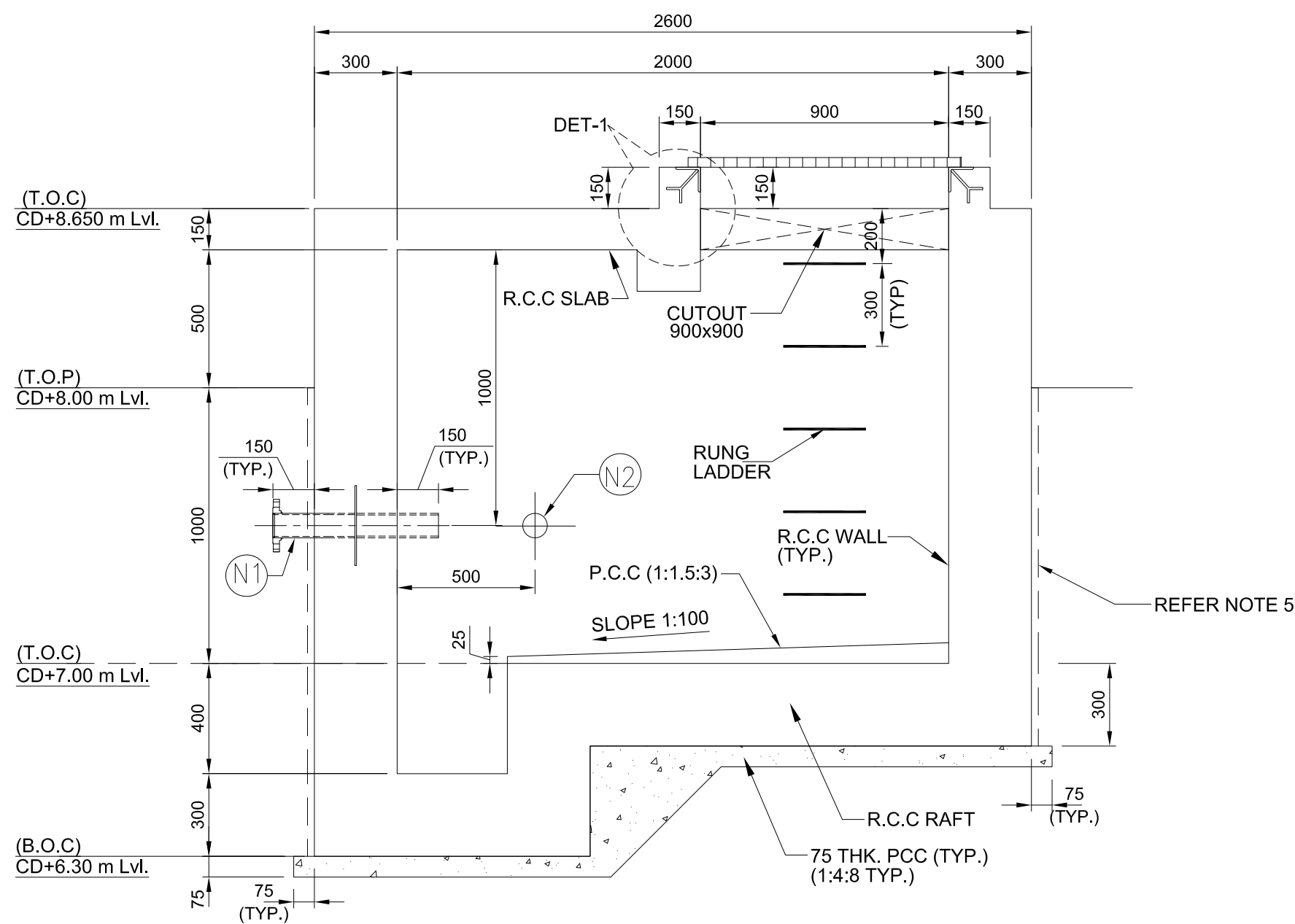
A1 (594mm x 841mm)



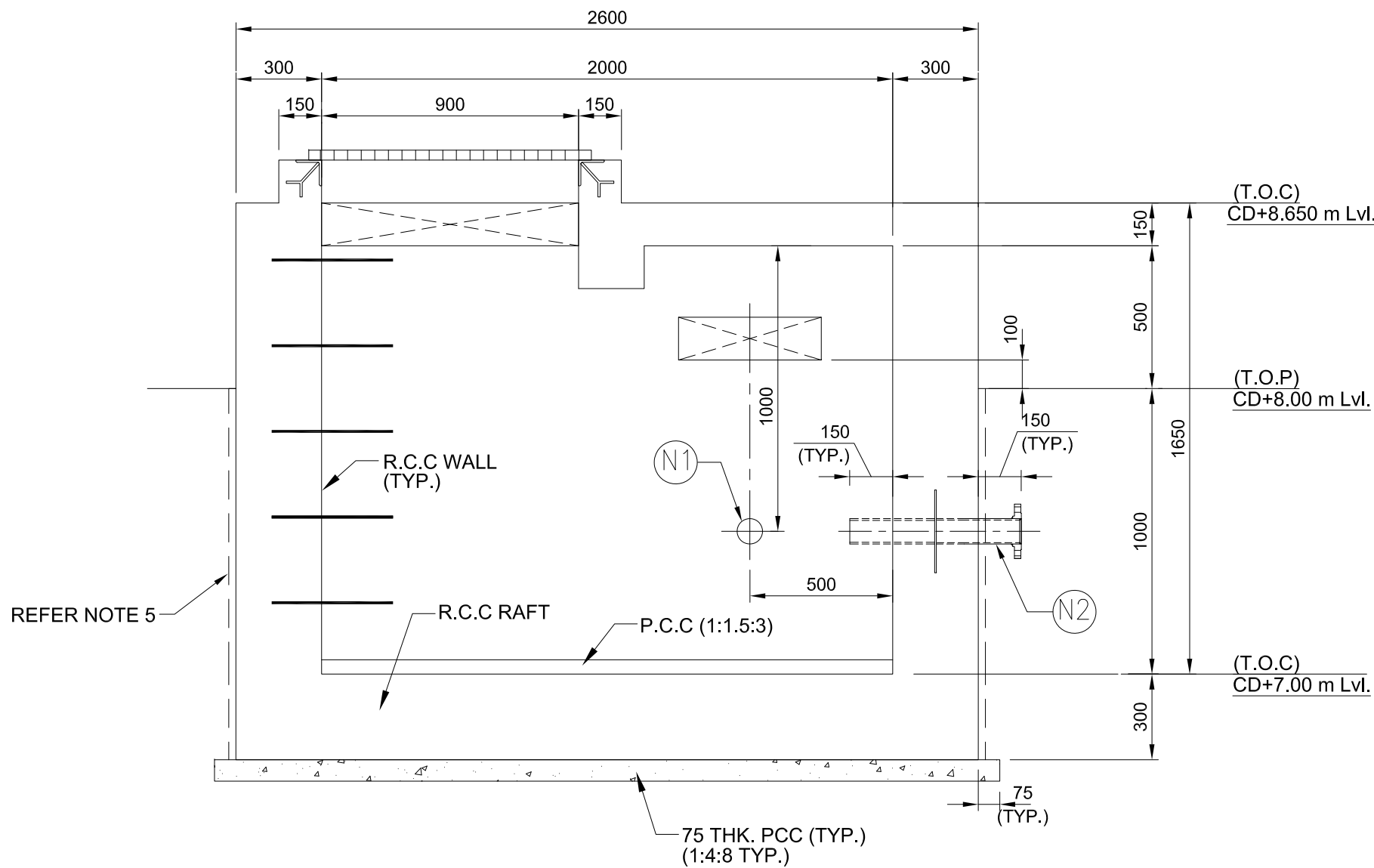
PLAN AT EFFLUENT PIT BOTTOM LEVEL
SCALE 1:20



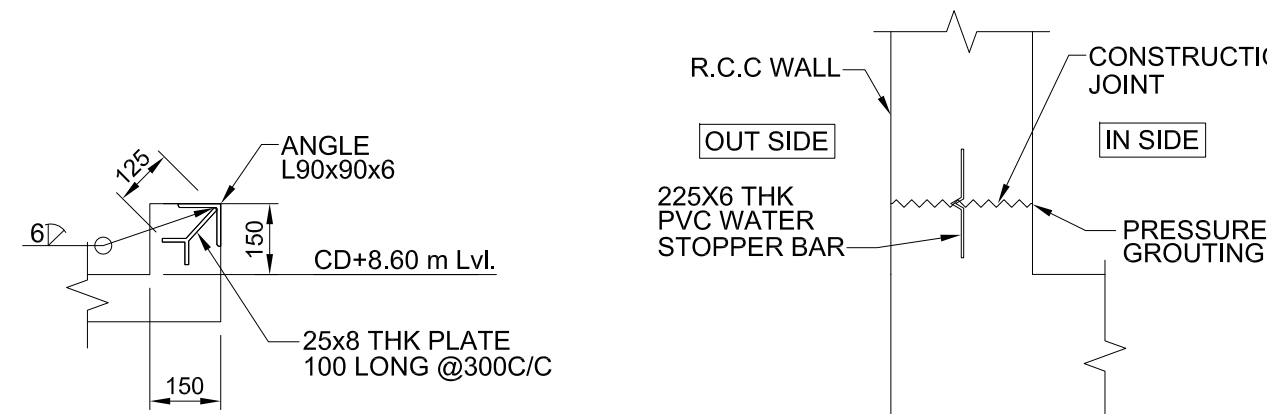
PLAN AT EFFLUENT PIT TOP LEVEL
SCALE 1:20



SECTION A-A
SCALE 1:20



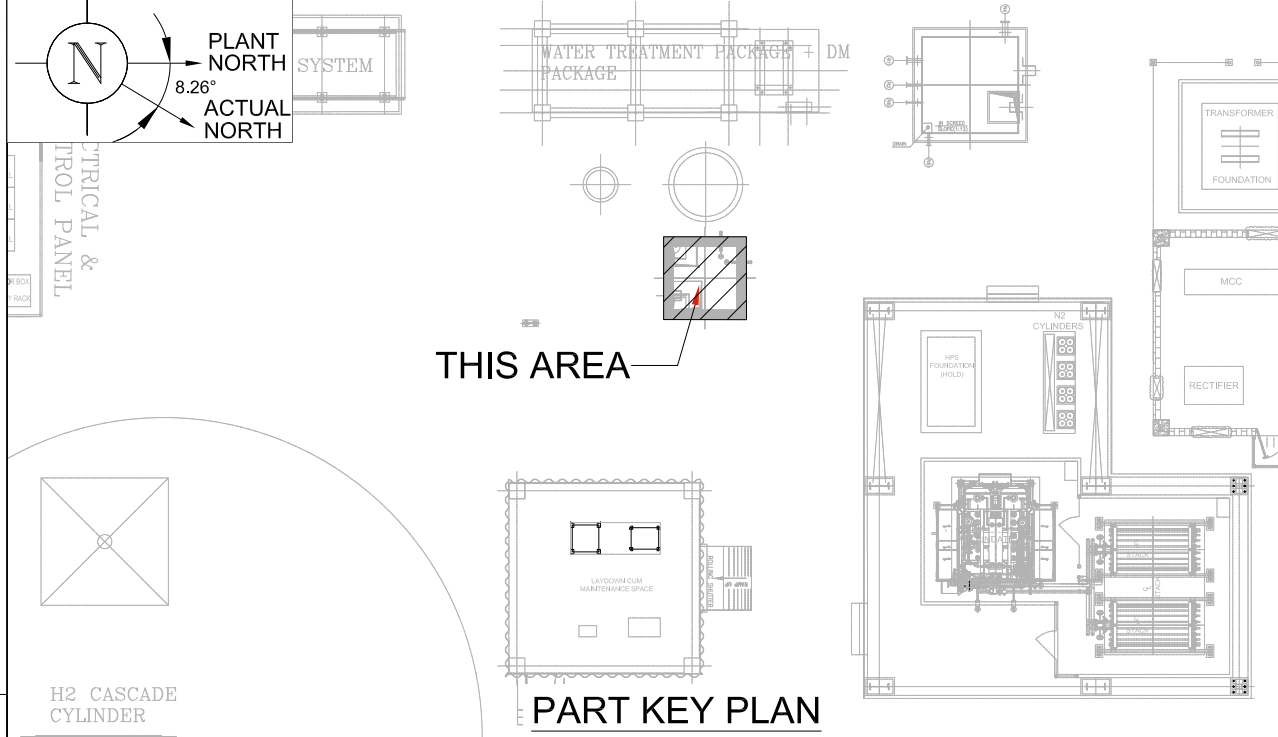
SECTION B-B
SCALE 1:20



DET - 1
SCALE 1:16

TYP. DETAIL FOR
CONSTRUCTION JOINTS
SCALE 1:16

FOR N1 & N2 (6THK. PUDDLE FLANGE) SCALE 1:10					
TYP. WELDING DETAIL FOR PUDDLE FLANGE SCALE 1:16					
TYP. WELDING DETAIL FOR PIPE TO SORF FLANGE SCALE 1:16					
BILL OF MATERIAL					
NOZZLE. NO.	DESCRIPTION	SIZE	QTY.	WT. IN (KGS)	MATERIAL
N1 & N2	PIPE	2"NB x SCH.STD. x 630 LG.	2	5.8	SA 312 TP 316
	PUDDLE FLANGE	6THK. x 260 x 260 LG.	2	6	SA 240 316
	BLANK PLATE	6THK. x 100 x 100 LG.	2	1	SA 240 316
TOTAL WEIGHT				13	



- NOTES:
- ALL DIMENSIONS ARE IN MM, LEVELS AND CO-ORDINATES ARE IN METER UNLESS NOTED OTHERWISE.
 - THIS DRAWING SHALL BE READ IN CONJUNCTION WITH SPECIFICATION AND BILL OF QUANTITIES.
 - ALL WORKS SHALL BE CARRIED OUT AS PER TECHNICAL SPECIFICATION, AND ANY DIFFERENCE SHALL BE BROUGHT TO THE NOTICE OF ENGINEER-IN-CHARGE/DESIGN OFFICE.
 - CONCRETE SHALL BE POURED ONLY AFTER SITE ENGINEER GIVES INSPECTION CLEARANCE FOR REBAR LAID IN COMPLIANCE TO DESIGN DRAWING.
 - THE CONCRETE SURFACE BELOW GROUND SHALL BE PROTECTED WITH MINIMUM TWO COATS OF BITUMINOUS PAINT WITH COAL TAR AT LEAST OF 1.2KG/SQ. M PER COAT.
 - NET SAFE BEARING CAPACITY CONSIDERED AT FOUNDING LEVEL IS 15T/SQ M. AT THE DEPTH OF 2.0 METER BELOW FGL BASED ON GEOTECHNICAL INVESTIGATION REPORT CARRIED OUT BY M/S SIMCON TECHNOLOGY PVT LTD, DOCUMENT NO. STPL/58CBH/2024-25/250107-72/50, RA-4.
 - IN CASE OF OVER EXCAVATION BELOW THE FOUNDING LEVEL, THE PORTION BELOW THE FOOTING SHALL BE FILLED UP WITH PLUM CONCRETE (1:5:10).
 - THE REINFORCED CONCRETE SHALL BE OF GRADE M30 AND SHOULD CONFIRM TO IS:456-2000. THE CEMENT SHALL BE OPC-53 GRADE.
 - ALL REINFORCEMENT SHALL BE HIGH STRENGTH CORROSION RESISTANT COATED DEFORMED BAR OF GRADE FE-500D CONFORMING TO IS:1786.
 - CONSTRUCTION JOINT IN THE WALL SHALL BE PROVIDED AS PER THE DETAIL GIVEN IN THE DRAWING. PREFERABLE LOCATIONS SHALL BE AT THE BASE SLAB LEVEL AND ONE INTERMEDIATE LEVEL (AS DECIDED BY SITE).
 - EFFLUENT PIT INTERNAL SURFACE SHALL BE EPOXY COATED WITH HARDENER IN MIN. 5:1 RATIO BY WEIGHT AND SHALL BE OF MINIMUM 100MM WITH MINIMUM 2 LAYERS.
 - BACKFILLING WITH THE EXCAVATED SOIL TO BE DONE ON THE SIDES OF THE PIT IMMEDIATELY AFTER REMOVAL OF SHUTTERING .

LEGENDS:		
T.O.C - TOP OF CONCRETE		CL - CENTER LINE
T.O.P - TOP OF PAVEMENT		
B.O.C - BOTTOM OF CONCRETE		CUTOUT

TOP OF PAVEMENT SHALL BE CD(+)8.00M
(AS PER INFORMATION RECEIVED FROM CUSTOMER).

REFERENCE DRAWINGS:		
DRAWING NO.	DRAWING TITLE	
LTEG0006-C-D-0002	GENERAL NOTES	
LTEG0006-C-F-0021(SHEET 02 OF 02)	EFFLUENT PIT - NUMERATION AND RCC DRAWING	

HOLD LIST:

00	07-04-2025	ISSUED FOR CONSTRUCTION	AKP	RP	IB
REV.	DATE	DESCRIPTION	PPD	CHD	APPD

STAMP:

PROJECT: 1MW GH2 PLANT - DPA, KANDLA

OWNER: DEENDAYAL PORT AUTHORITY, KANDLA

EPC CONTRACTOR: L&T Energy GreenTech

CONTRACT REF. NO:

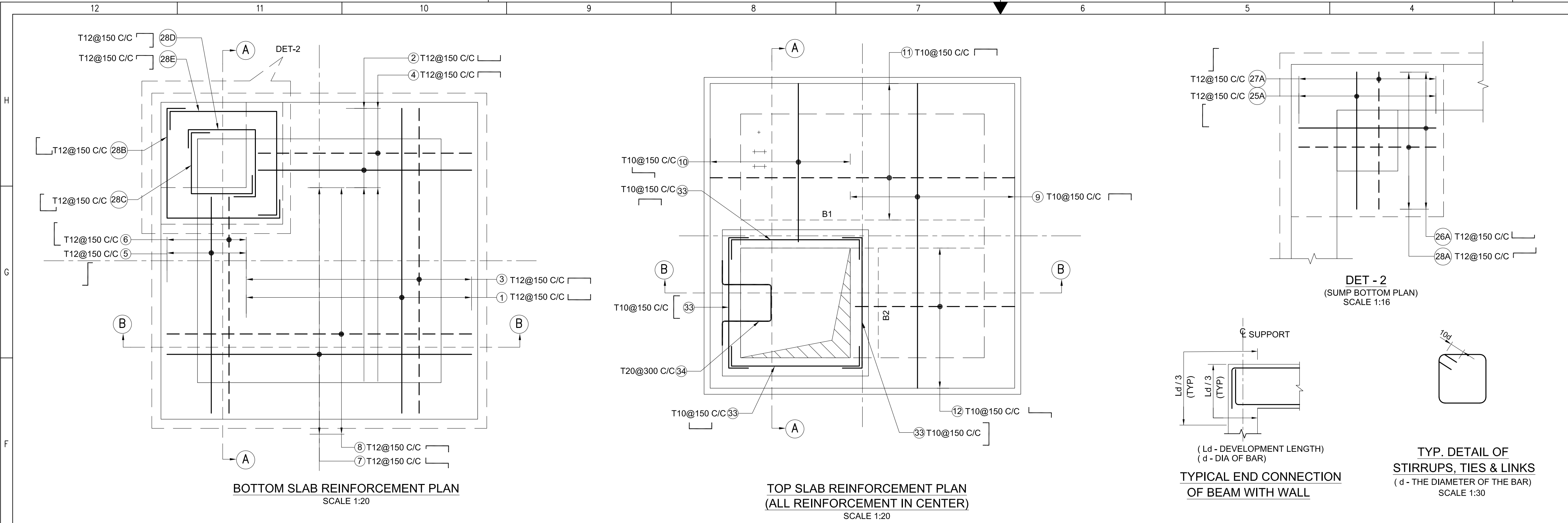
CUSTOMER DOC. NO.:				TITLE: EFFLUENT PIT – NUMERATION AND RCC DRAWING
		DATE	NAME	
PREPARED	18-03-2025	AKP		
CHECKED	19-03-2025	RP		
APPROVED	24-03-2025	IB		
SCALE		N.T.S		

SHEET	01	OF	02	REV. 00
-------	----	----	----	---------

APPROXIMATE QUANTITIES

SR. NO	ITEMS	QUANTITY
01	EXCAVATION	41.00 CUM
02	BACK FILL	30.00 CUM
03	SHUTTERING	44.00 SQM
04	PCC (1:4:8)	0.60 CUM
05	PCC (1:1.5:3)	0.10 CUM
06	RCC (M30)	10.00 CUM
07	REBAR	AS PER BBS
08	BITUMEN PAINT	19.00 SQM
09	PVC WATER STOPPER BAR	10.00 RM

THIS DRAWING AND DESIGN IS THE PROPERTY OF LARSEN & TOUBRO LIMITED AND MUST NOT BE COPIED OR LENT WITHOUT THEIR PERMISSION IN WRITING.

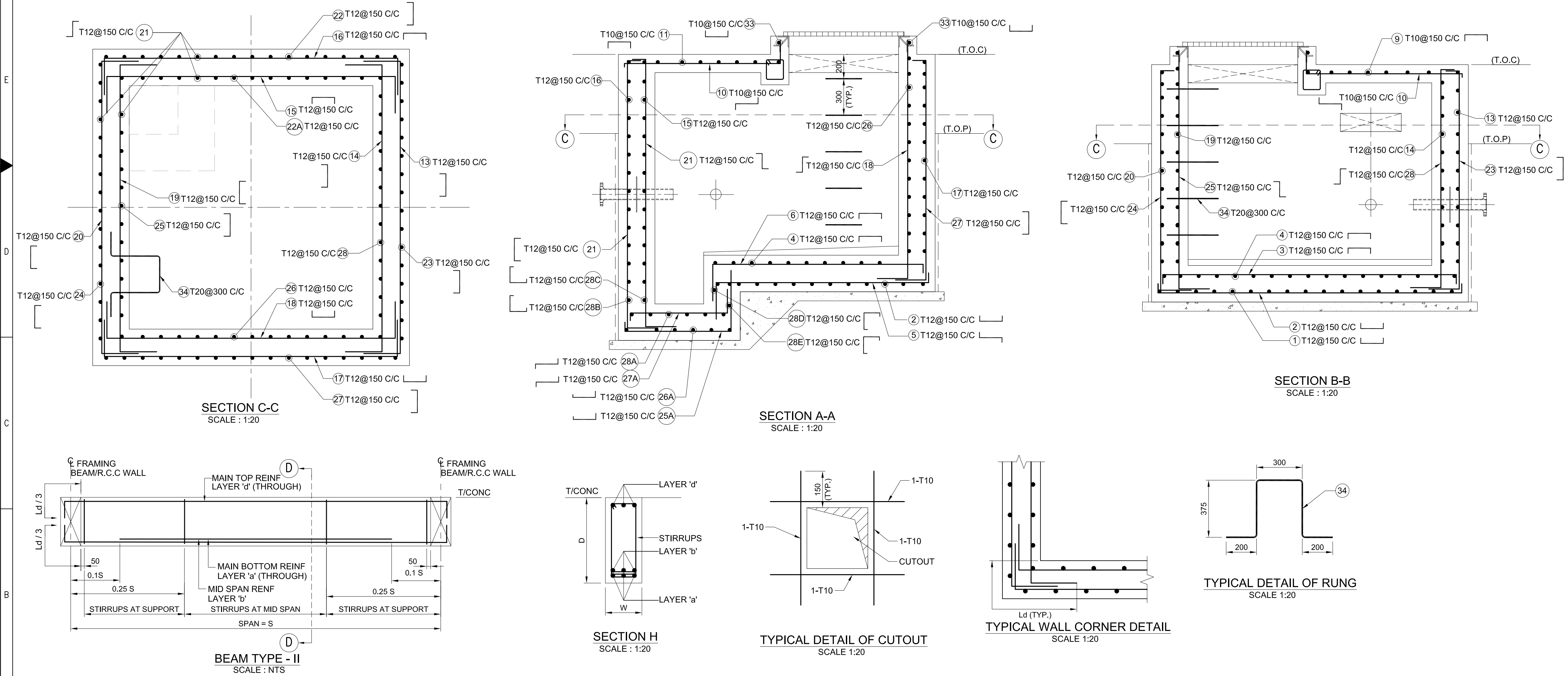


NOTES:

- ALL DIMENSIONS ARE IN MM, LEVELS AND CO-ORDINATES ARE IN METER UNLESS NOTED OTHERWISE.
- FOR ALL OTHER NOTES REFER DRG NO. LTEG0006-C-F-0021 SHT 1 OF 2.

LEGENDS:

T.O.C - TOP OF CONCRETE
T.O.P - TOP OF PAVEMENT
- - - - - BOTTOM BAR
- - - - - TOP BAR



REFERENCE DRAWINGS:	
DRAWING NO. LTEG0006-C-D-0002	DRAWING TITLE GENERAL NOTES
LTEG0006-C-F-0021(SHEET 01 OF 02)	EFFLUENT PIT - NUMERATION AND RCC DRAWING

HOLD LIST:

00	07-04-2025	ISSUED FOR CONSTRUCTION	AKP	RP	IB
REV.	DATE	DESCRIPTION	PPD	CHD	APPD

STAMP:

PROJECT: 1MW GH2 PLANT - DPA, KANDLA

OWNER: DEENDAYAL PORT AUTHORITY, KANDLA

EPC CONTRACTOR: L&T Energy GreenTech

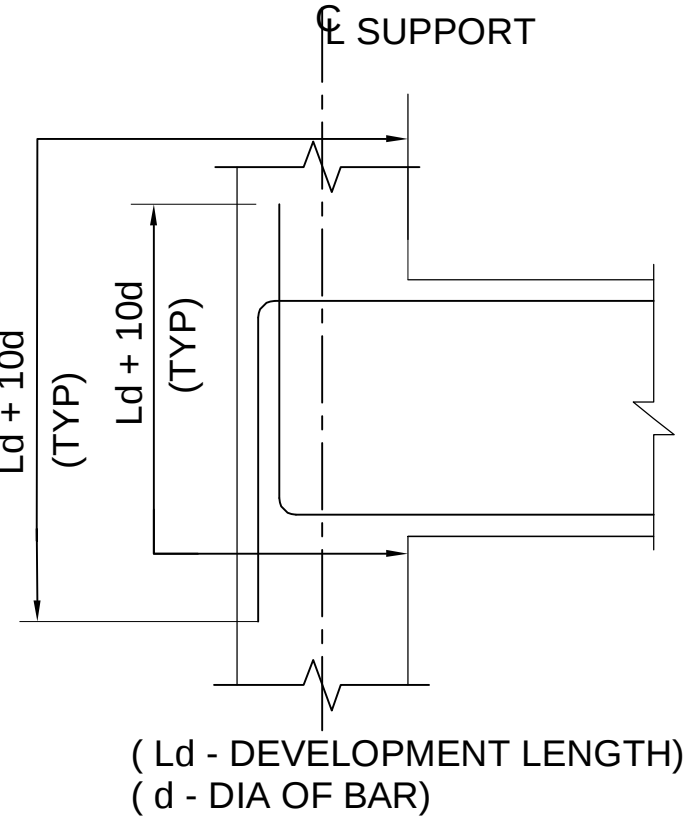
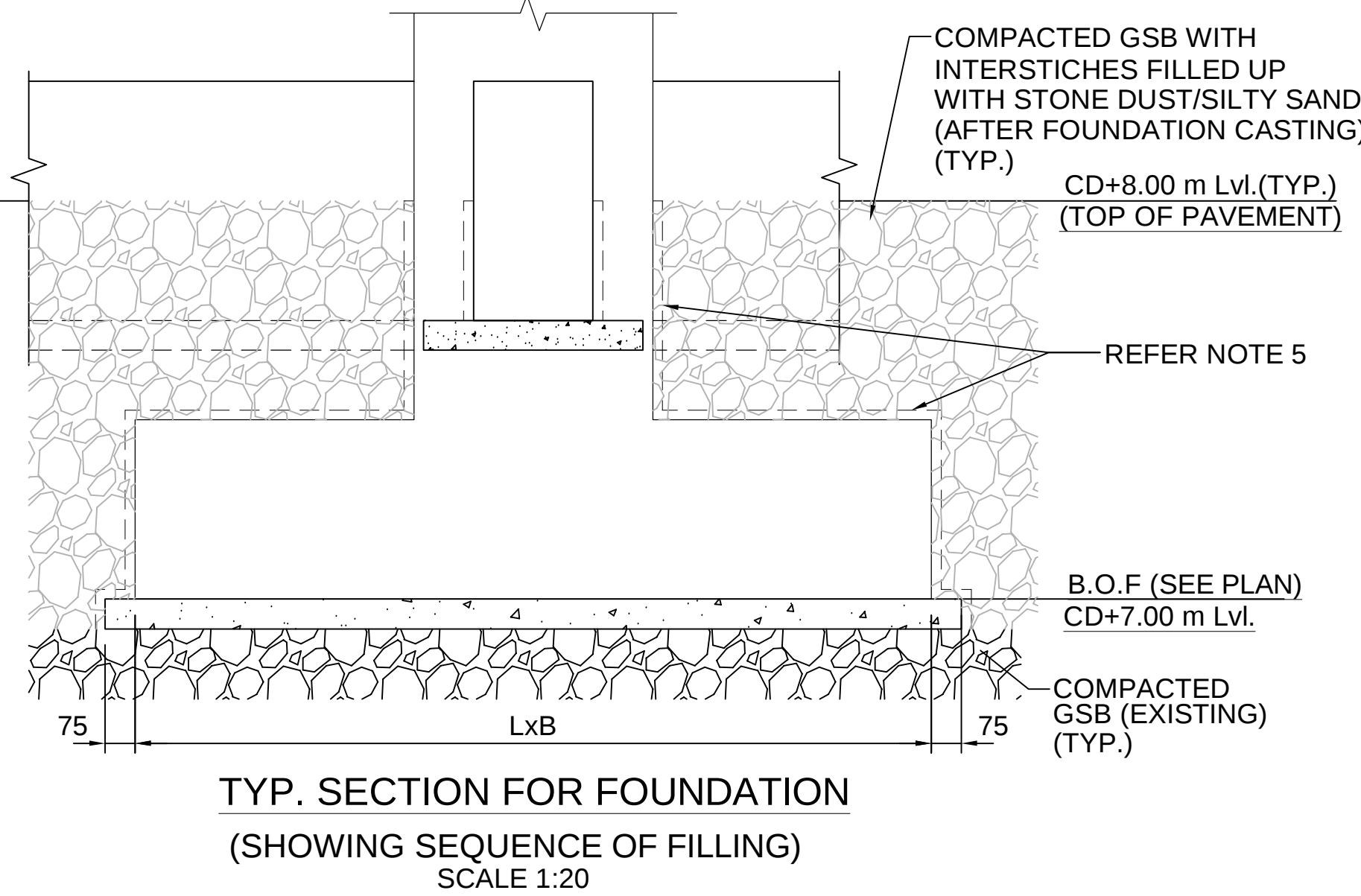
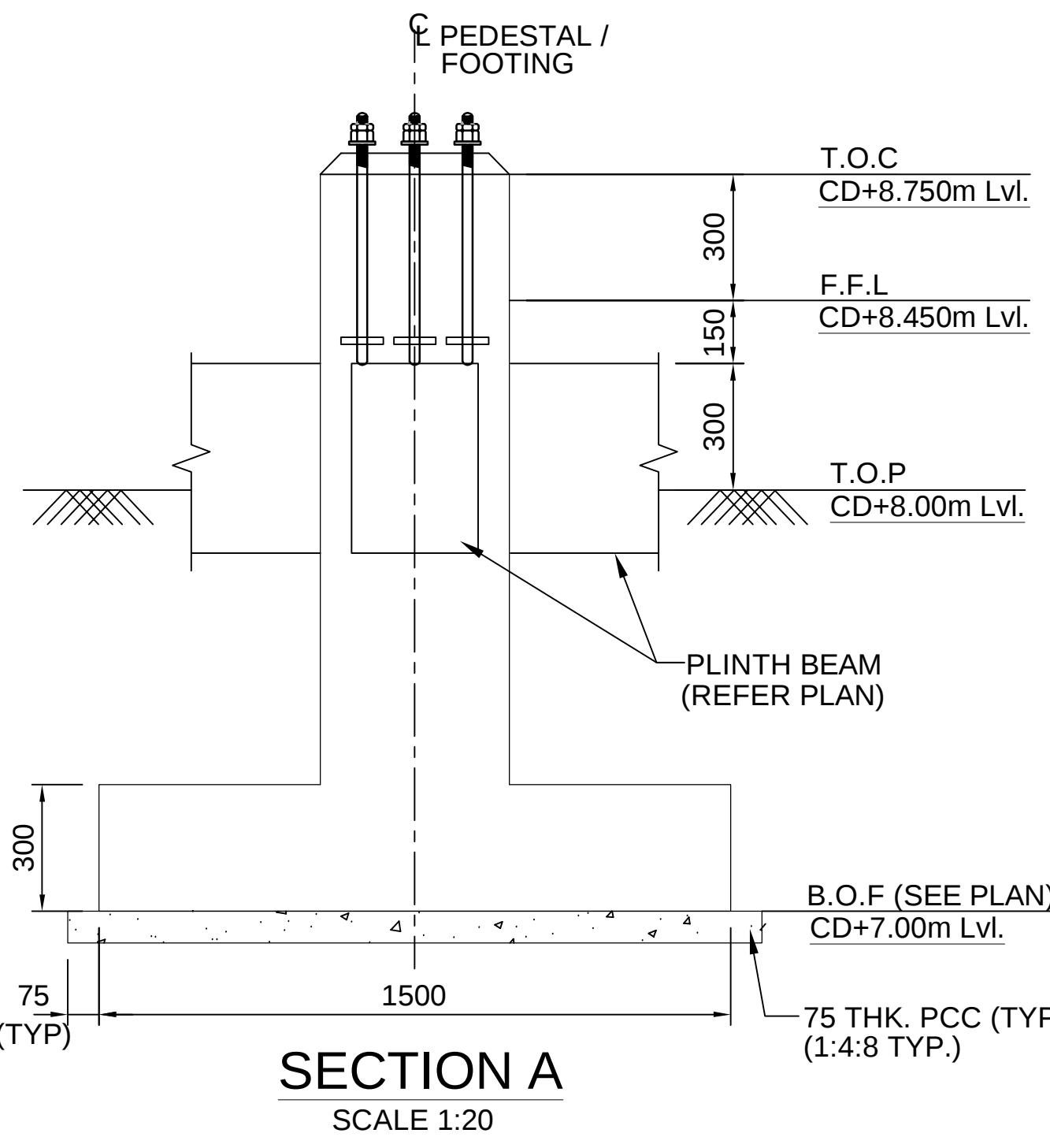
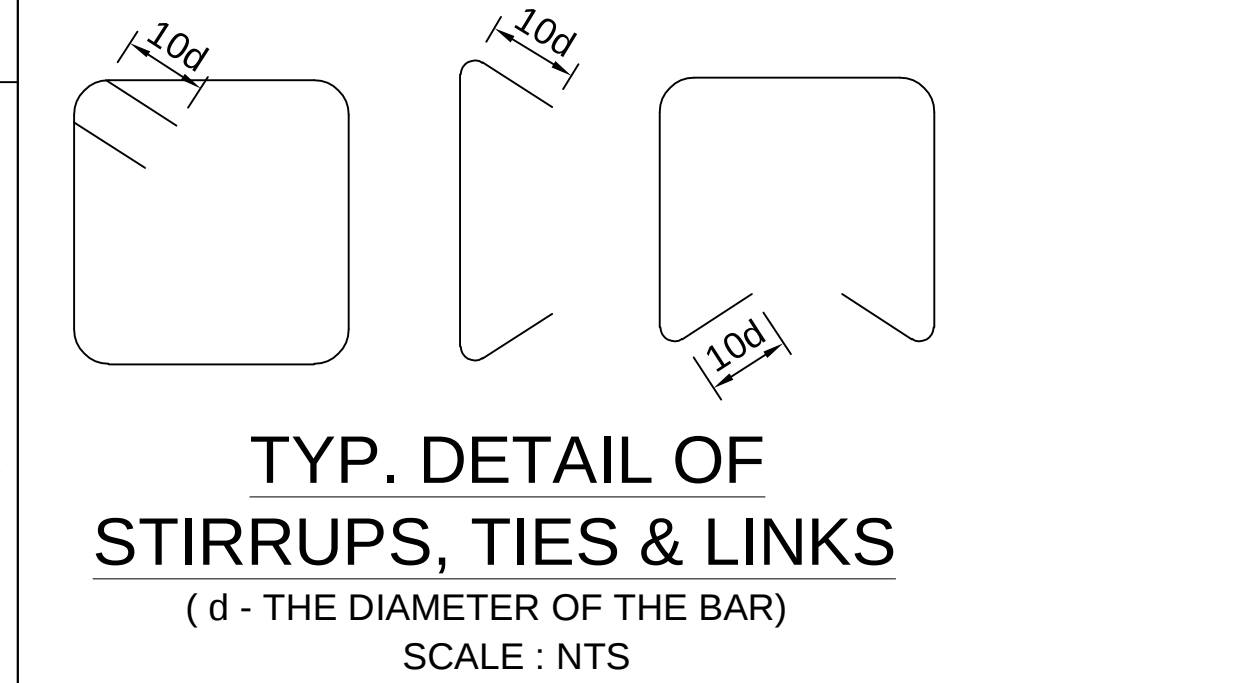
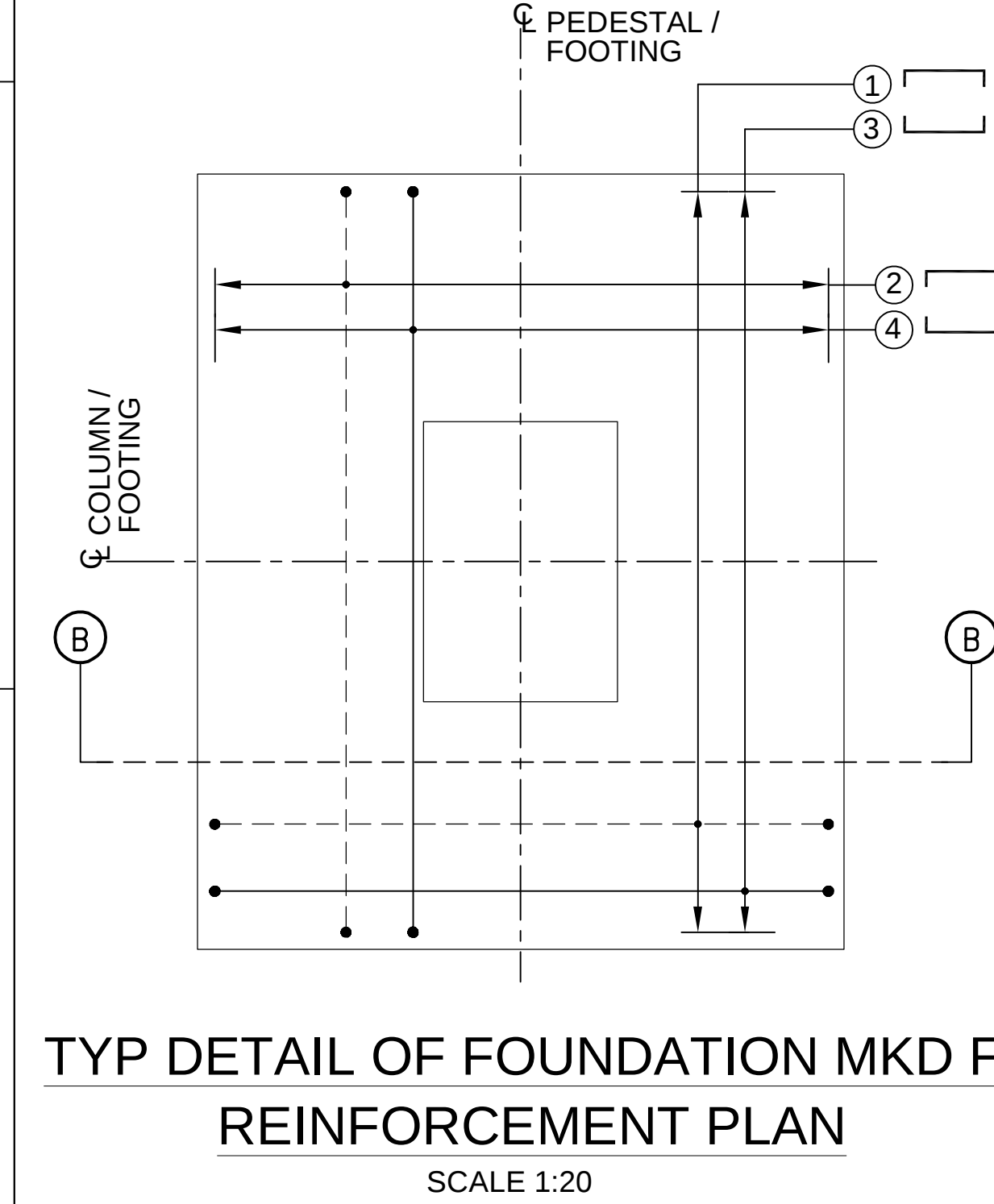
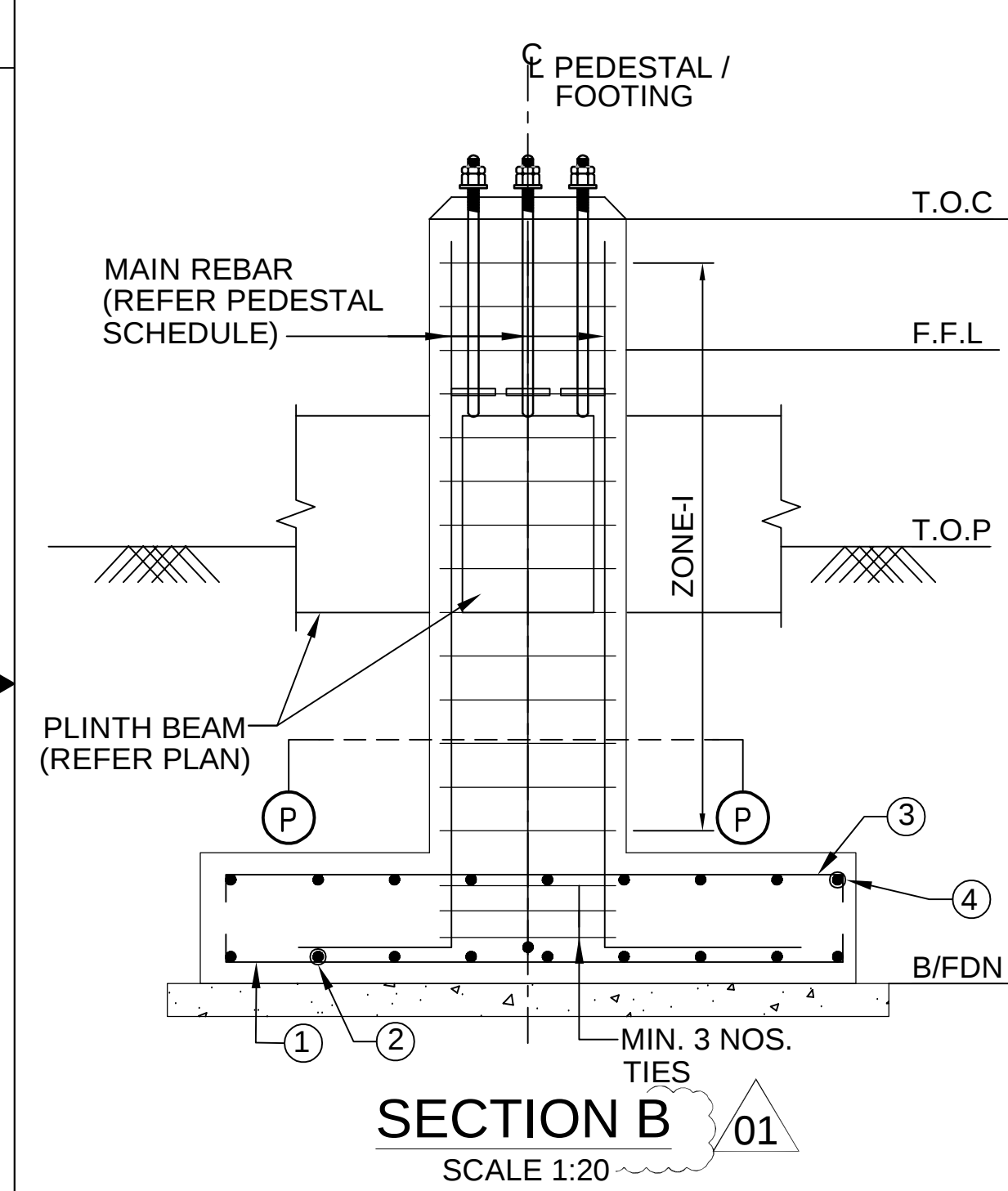
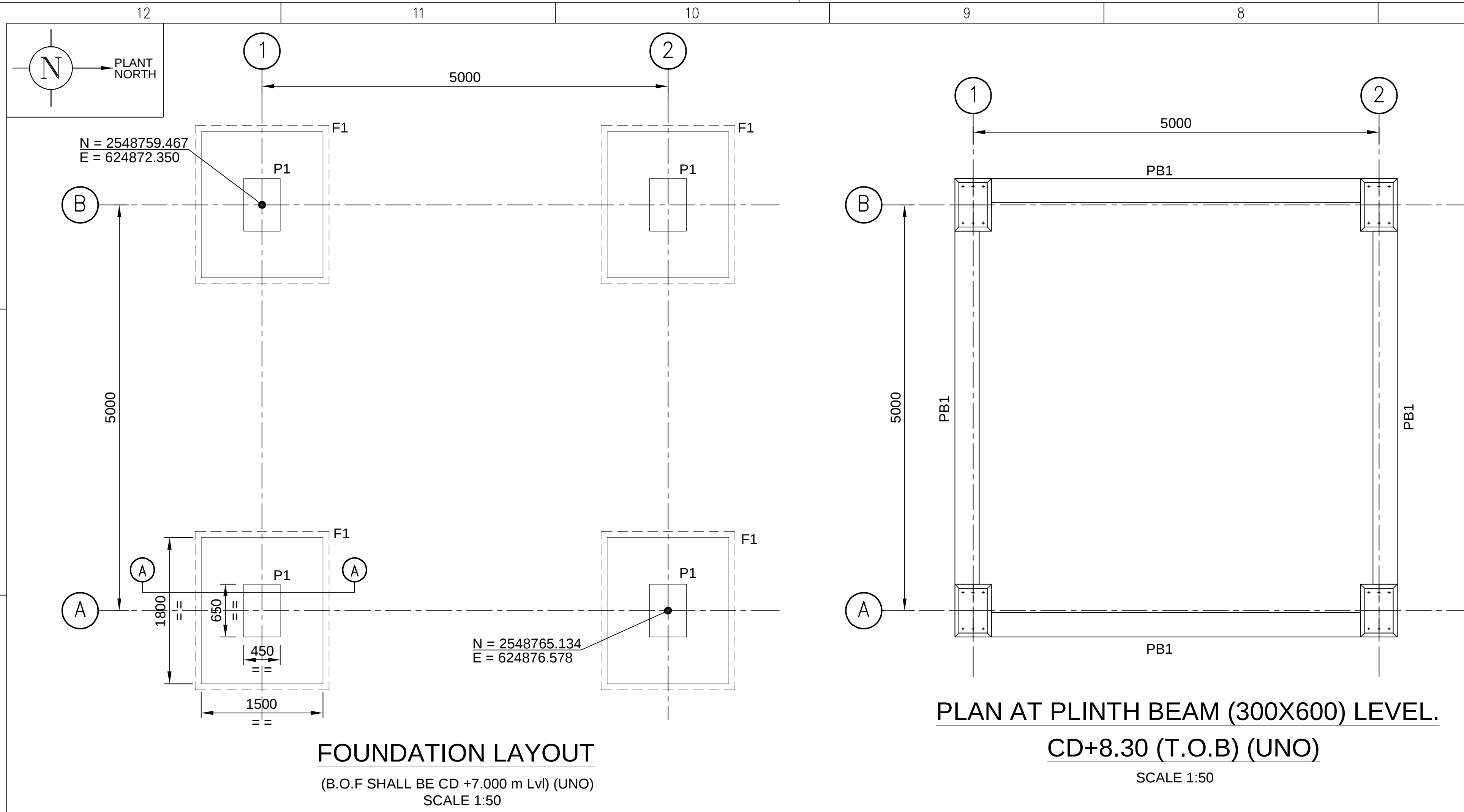
CONTRACT REF. NO:

CUSTOMER DOC. NO.:			TITLE: EFFLUENT PIT - NUMERATION AND RCC DRAWING
PREPARED	DATE	NAME	
CHECKED	DATE	NAME	
APPROVED	DATE	NAME	
SCALE	N.T.S		

L&T DRG. NO.:	LTEG0006-C-F-0021	SHEET	02	OF	02	REV. 00
3	2	1				

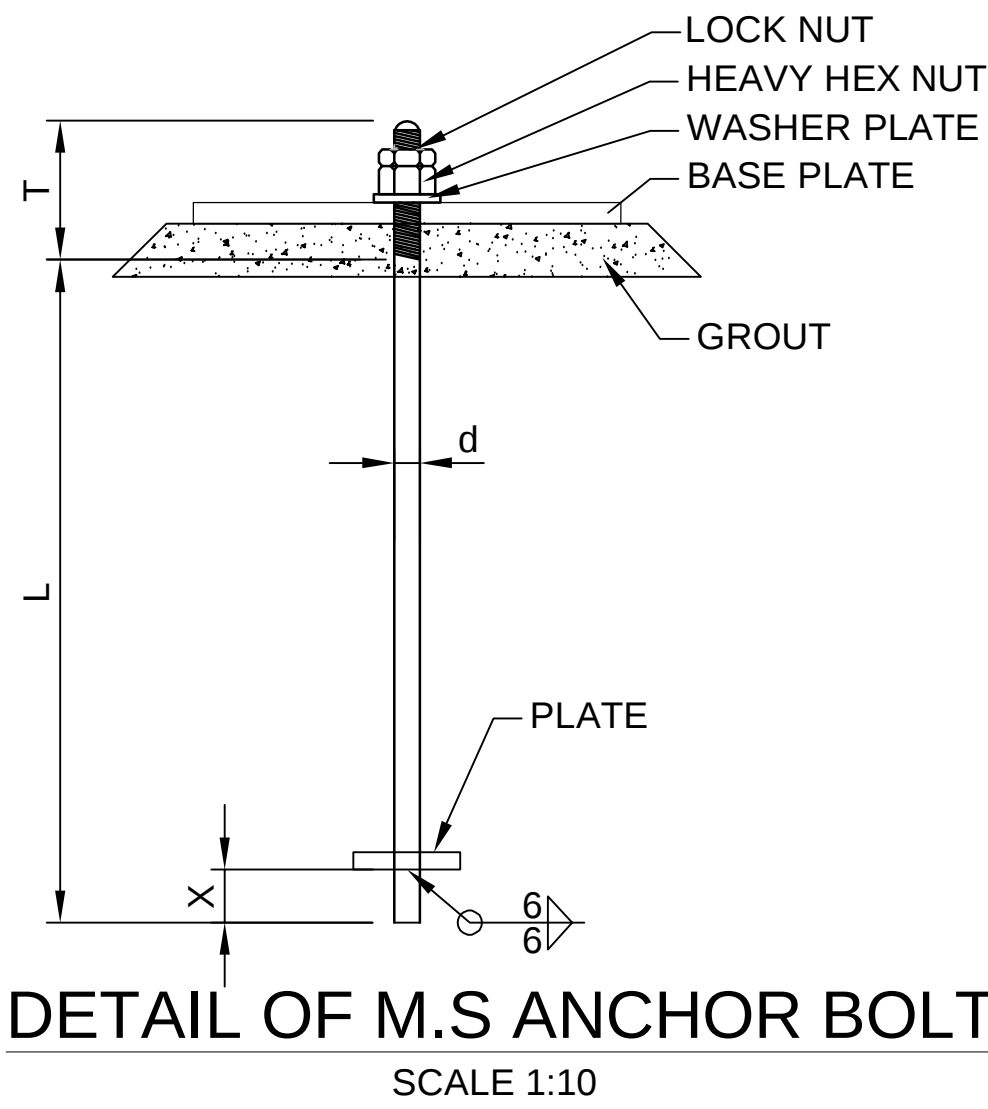
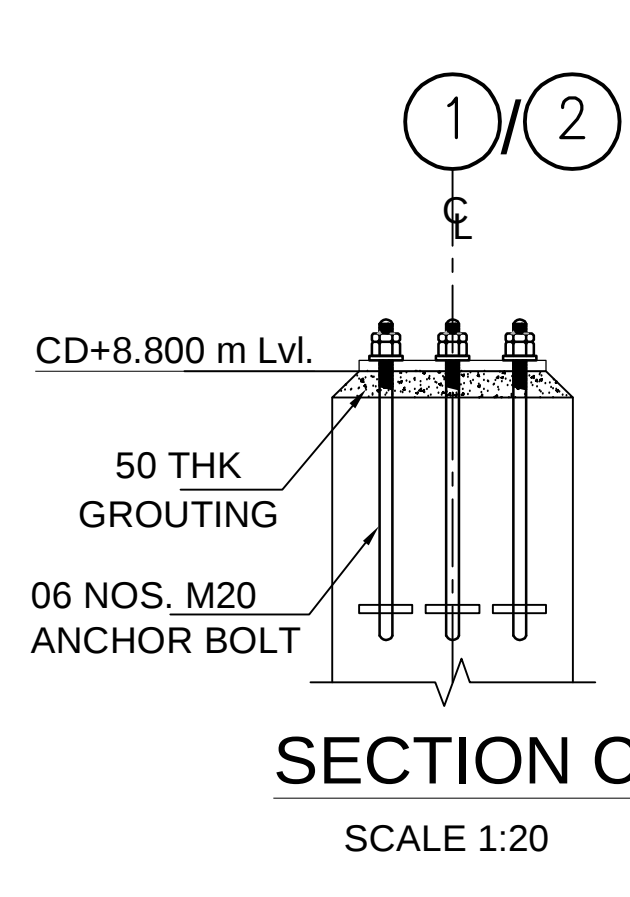
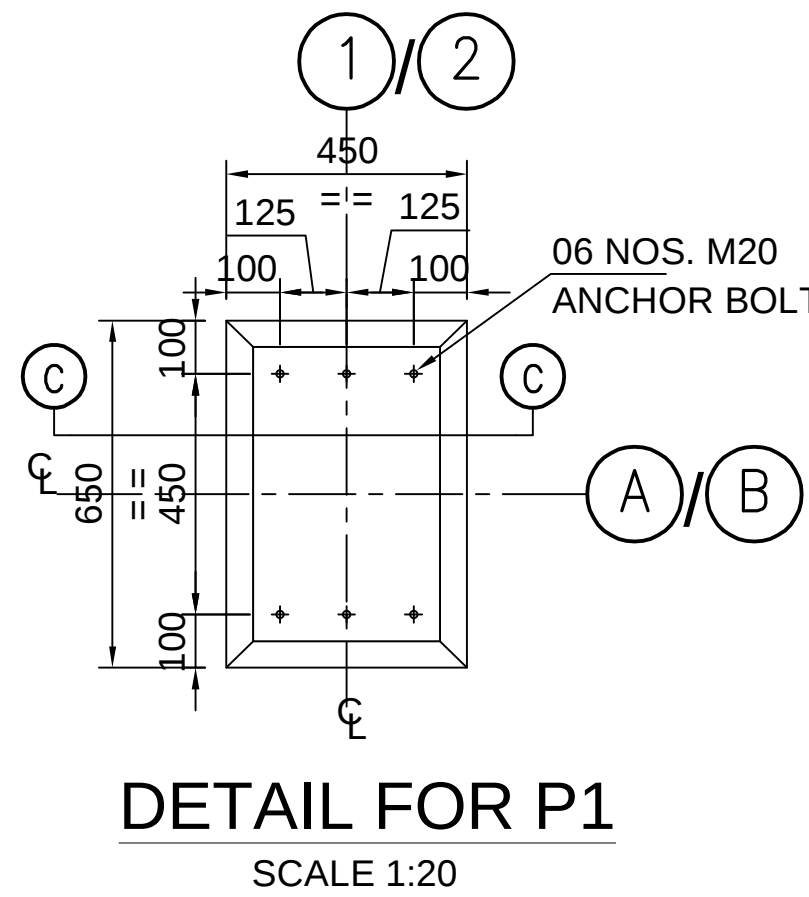
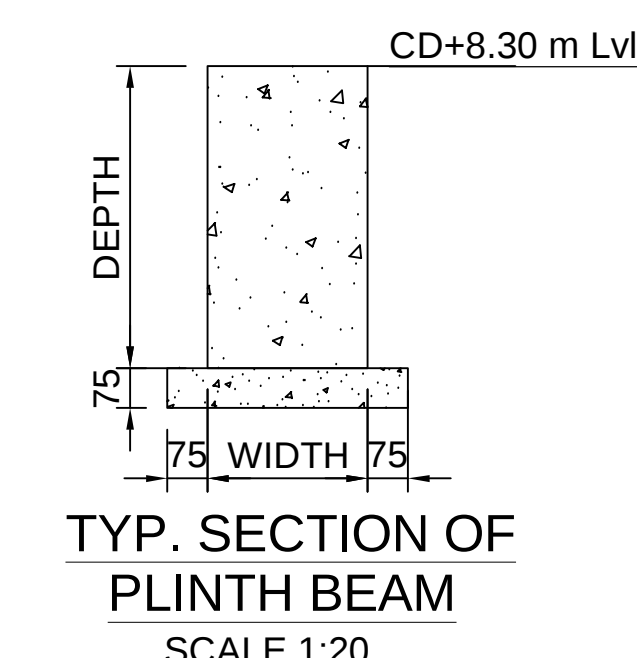
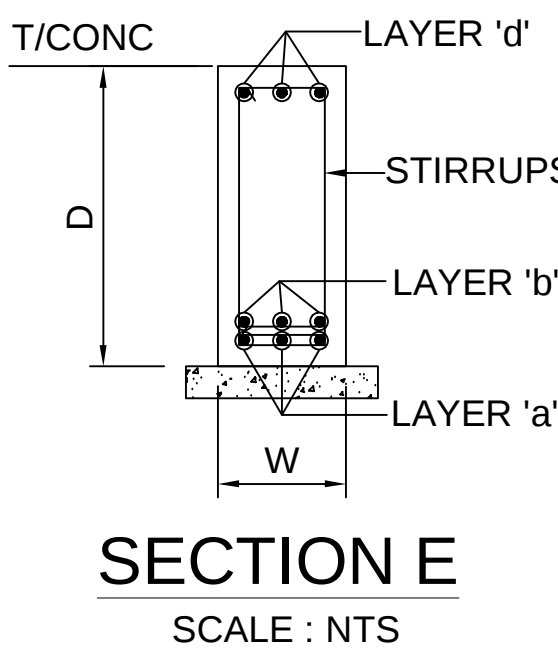
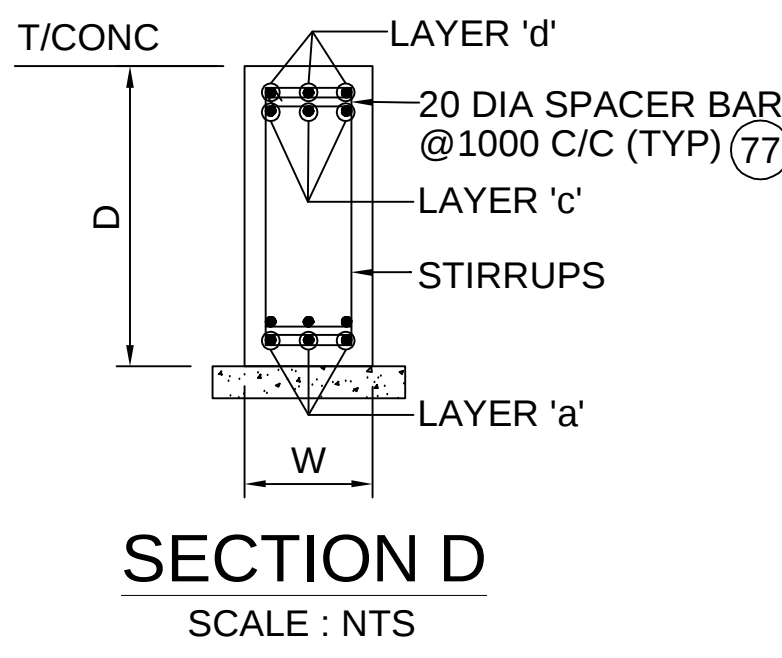
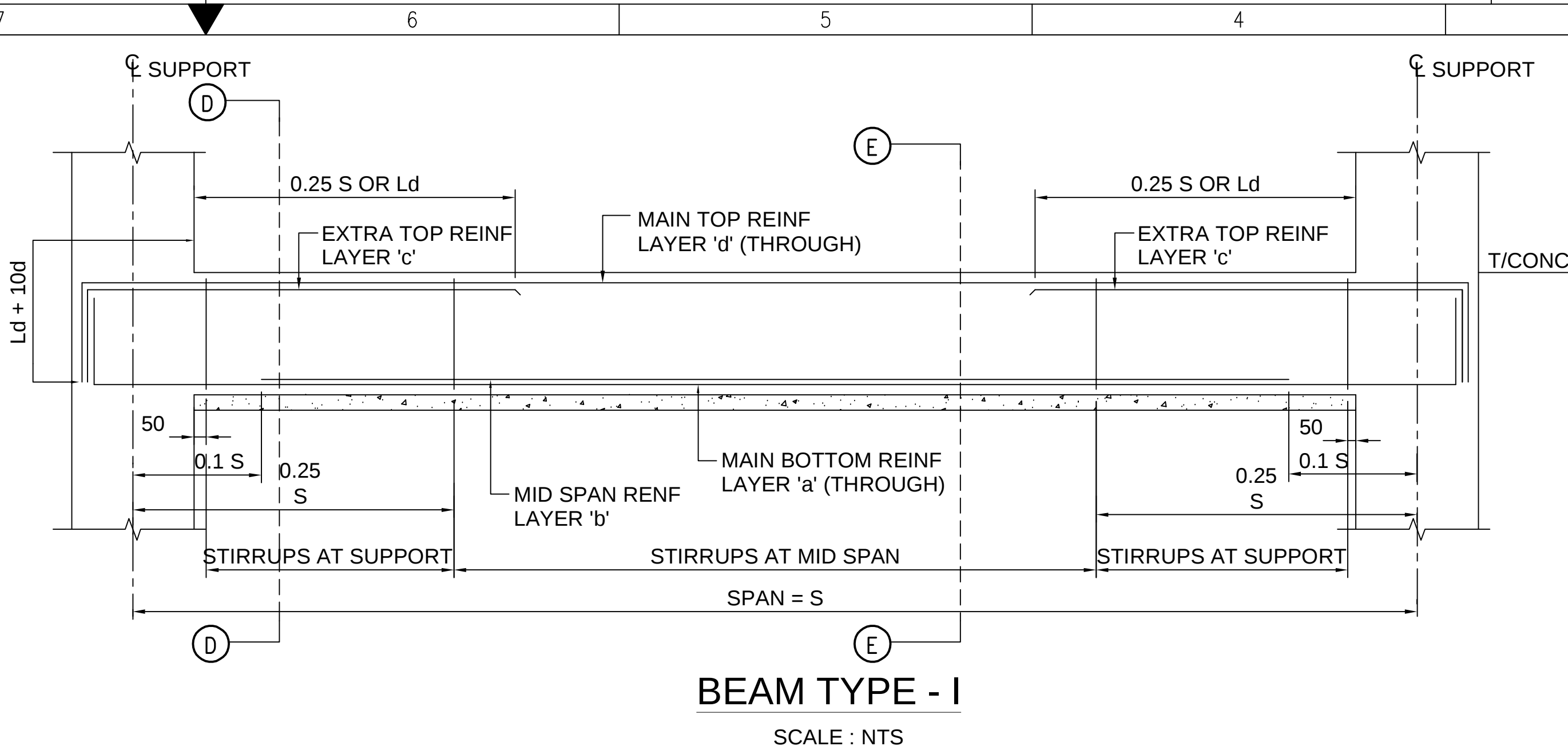
SLAB BEAM SCHEDULE (FOR BEAM ORIENTATION & MARKING REFER DRG NO. LTEG0006-C-F-0021 SHT -1)																			
BEAM MKD.	TYPE	W	D	THROUGH				SUPPORT 1				MID SPAN				SUPPORT 2			
				BOTT	BOTT	TOP	TOP	EXT BOTT	EXT BOTT	EXT TOP	EXT TOP	EXT BOTT	EXT BOTT	EXT TOP	EXT TOP	EXT BOTT	EXT BOTT	EXT TOP	EXT TOP
				a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d
B1	II	230	250	(29) 3-T12	-	-	(29) 3-T12	-	-	-	-	(30) 2L-T8@150 C/C	-	-	(30) 2L-T8@150 C/C	-	-	-	-
B2	II	230	250	(31) 3-T12	-	-	(31) 3-T12	-	-	-	-	(32) 2L-T8@150 C/C	-	-	(32) 2L-T8@150 C/C	-	-	-	-

THIS DRAWING AND DESIGN IS THE PROPERTY OF LARSEN & TOUBRO LIMITED AND MUST NOT BE COPIED OR LENT WITHOUT THEIR PERMISSION IN WRITING.



PLINTH BEAM SCHEDULE (FOR BEAM ORIENTATION & MARKING REFER DRG NO. LTEG0006-C-F-0005)

BEAM MKD.	TYPE	W	D	THROUGH				SUPPORT 1					MID SPAN			SUPPORT 2					STIRRUPS LEG	REMARKS
				BOTT	BOTT	TOP	TOP	EXT BOTT	EXT BOTT	EXT TOP	EXT TOP	STIRRUPS AT SUPPORT	EXT BOTT	EXT BOTT	STIRRUPS AT MID SPAN	EXT BOTT	EXT BOTT	EXT TOP	EXT TOP	STIRRUPS		
				a	b	c	d	a	b	c	d		a	b		a	b	c	d			
PB1	II	300	450	⑩ 3-T16	-	-	⑩ 3-T16	-	-	-	-	⑪ 2L-T8@100 C/C	-	-	⑫ 2L-T8@150 C/C	-	-	-	-	⑪ 2L-T8@100 C/C	2 LEGGED	



BOLT DIMENSIONS (mm)						
BOLT DIA (d)	(L)	(T)	(X)	PLATE	NOS	
20	600	150	75	75x75x8	24	

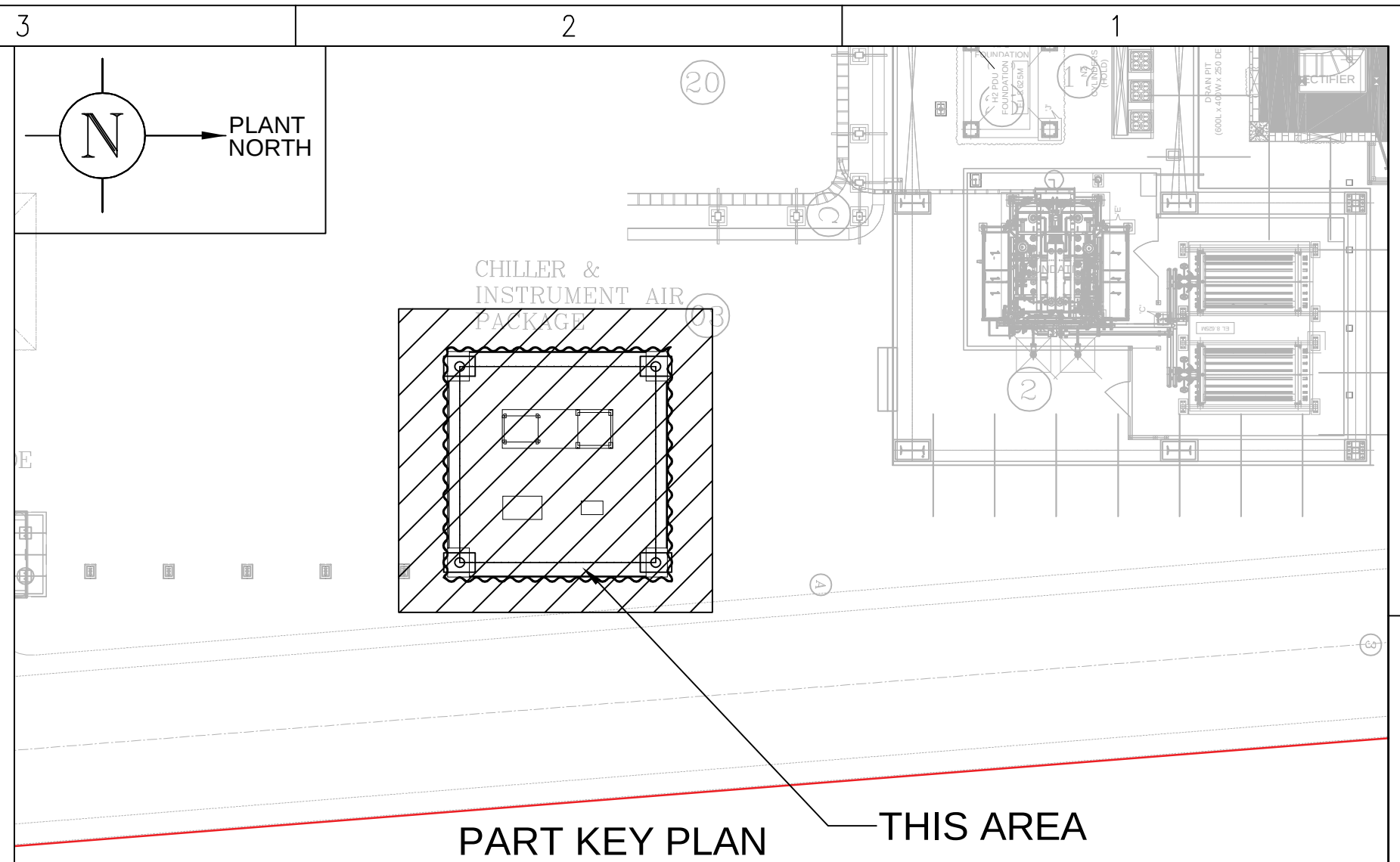
REINFORCEMENT SCHEDULE OF PEDESTAL / COLUMN

PEDESTAL MARKED	TOTAL NO.	SIZE	REINFORCEMENT	CROSS SECTION AT P-P	ZONE I	T.O.C.
P1	4	450X650	4-T20 (5) 8-T16 (6)		⑦ T8@100 C/C ⑧ T8@100 C/C ⑨ T8@100 C/C	CD+8.750m Lvl.

REINFORCEMENT SCHEDULE OF FOUNDATION

FDN MARK	REINFORCEMENT DETAILS				REMARKS
	AT BOTTOM		AT TOP		
F1	① T12@175 C/C	② T12@175 C/C	③ T12@175 C/C	④ T12@175 C/C	

TOP OF PAVEMENT SHALL BE CD(+)8.00M
(AS PER INFORMATION RECEIVED FROM CUSTOMER).



NOTES :

- ALL DIMENSIONS ARE IN MM, LEVELS AND CO-ORDINATES ARE IN METER UNLESS NOTED OTHERWISE.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH SPECIFICATION AND BILL OF QUANTITIES.
- ALL WORKS SHALL BE CARRIED OUT AS PER TECHNICAL SPECIFICATION, AND ANY DIFFERENCE SHALL BE BROUGHT TO THE NOTICE OF ENGINEER-IN-CHARGE/DESIGN OFFICE.
- CONCRETE SHALL BE POURED ONLY AFTER SITE ENGINEER GIVES INSPECTION CLEARANCE FOR REBAR LAID IN COMPLIANCE TO DESIGN DRAWING.
- THE CONCRETE SURFACE BELOW GROUND SHALL BE PROTECTED WITH MINIMUM TWO COATS OF BITUMINOUS PAINT WITH COAL TAR AT LEAST OF 1.2kg/SQ. M PER COAT.
- NET SAFE BEARING CAPACITY CONSIDERED AT FOUNDING LEVEL IS 15T/SQ M. AT THE DEPTH OF 1.0 METER BELOW FGL BASED ON GEOTECHNICAL INVESTIGATION REPORT CARRIED OUT BY M/S SIMCON TECHNOLOGY PVT LTD, DOCUMENT NO. STPL/SBCBH/2024-25/250107-72/50, RA-4.
- TIES SHALL BE ADJUSTED LOCALLY TO AVOID CLASH WITH ANCHOR BOLTS.
- INCASE OF OVER EXCAVATION BELOW THE FOUNDING LEVEL, THE PORTION BELOW THE FOOTING SHALL BE FILLED UP WITH PLUM CONCRETE (1:5:10).
- THE REINFORCED CONCRETE SHALL BE OF GRADE M30 AND SHOULD CONFIRM TO IS:456-2000. THE CEMENT SHALL BE OPC-53 GRADE.
- ALL REINFORCEMENT SHALL BE HIGH STRENGTH CORROSION RESISTANT COATED DEFORMED BAR OF GRADE Fe-500D CONFORMING TO IS:1786.
- THE GROUT SHALL BE READY MIX NON-SHRINK FLOWABLE CEMENTITIOUS GROUT WITH CRUSHING STRENGTH OF 40 N/SQ. MM.

SPECIAL NOTES:

- ANY LOOSE SOIL FOUND AT FOUNDING LEVEL OF THE FOUNDATION SHALL BE REPLACED WITH LEAN CONCRETE (1:5:10.)
- AS PER GEOTECH REPORT PRESENCE OF WELL COMPACTED GSB IN THE FORM OF SAND GRAVEL MIX IS NOTICED AT SITE UP TO 4 M FROM EXISTING GROUND LEVEL. HENCE, SITE TEAM SHALL RE-VERIFY THE SAND GRAVEL MIX BEFORE CASTING OF FOUNDATION AT SITE WITH SUITABLE METHODS LIKE TRIAL PITS.
- GSB SHALL BE BACK FILLED WITH COMPACTION IN LAYERS OF 200 MM THICK TO ACHIEVE THE 95% MAXIMUM PROCTOR DRY DENSITY AS PER IS: 2720 PART VIII.
- FOUNDATION BOTTOM SHALL BE WELL COMPACTED WITH 10 TON VIBRO ROLLER WITH MINIMUM 10 PASSES.
- IT MUST BE ENSURED THAT NO LOCALIZED LOOSE SPOTS, CONTAMINATED, DISTURBED SOIL OR UNSUITABLE FILL MATERIALS EXIST UNDERNEATH THE FOUNDATION DURING THE CONSTRUCTION STAGE.
- CARE SHOULD BE TAKEN DURING EXCAVATION AND CONSTRUCTION OF FOUNDATION TO PREVENT DISTURBANCE OF THE BEARING SOIL AT THE LEVEL OF THE FOUNDATION.
- THE BASE OF ALL FOUNDATION EXCAVATIONS SHOULD BE CLEANED OF WATER AND LOOSE OR SATURATED SOIL PRIOR TO PLACING CONCRETE. CONCRETE SHOULD BE PLACED AS SOON AS POSSIBLE AFTER EXCAVATING.

LEGENDS:

B.O.F - BOTTOM OF FOUNDATION
T.O.B - TOP OF BEAM
T.O.C - TOP OF CONCRETE
CL - CENTER LINE
T.O.P - TOP OF PAVEMENT
F.F.L - FINISH FLOOR LEVEL
--- TOP BAR
--- BOTTOM BAR

REFERENCE DRAWINGS:

DRAWING NO.	DRAWING TITLE
LTEG0006-C-D-0002	GENERAL NOTES
STPL/SBCBH/2024-25/250107-72/50, RA-4.	SOIL INVESTIGATION REPORT

REV.	DATE	DESCRIPTION	PPD	CHD	APPD
01	16-04-2025	REVISED AS MARKED - ISSUED FOR CONSTRUCTION	MRC	MA	IB
00	09-04-2025	ISSUED FOR CONSTRUCTION	HHK	MA	IB

STAMP:

PROJECT: 1MW GH2 PLANT - DPA, KANDLA

OWNER: DEENDAYAL PORT AUTHORITY, KANDLA

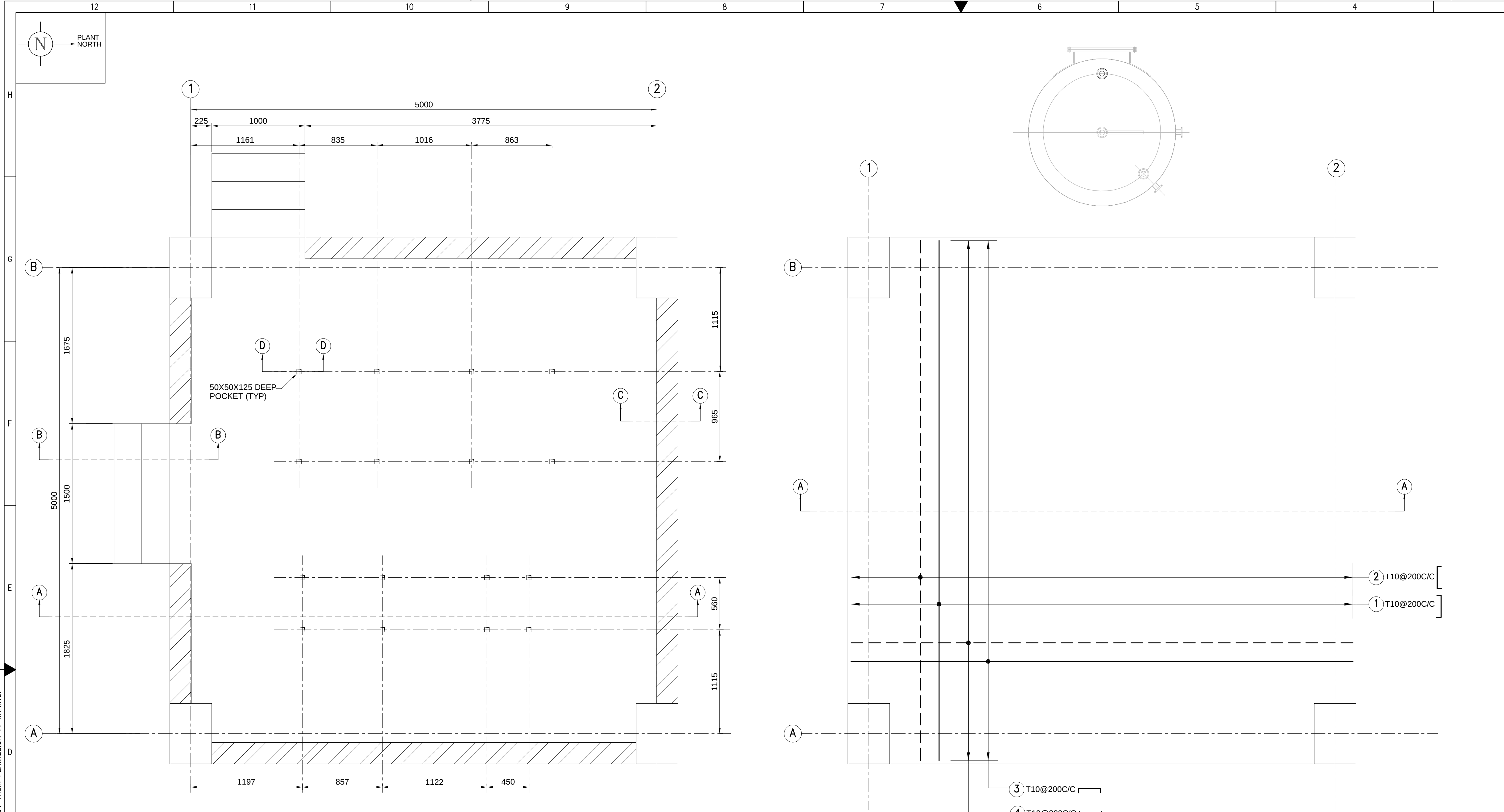
EPC CONTRACTOR: L&T Energy GreenTech

CONTRACT REF. NO:

CUSTOMER DOC. NO.:			TITLE:	
DATE	NAME			
PREPARED	08-04-2025	HHK	CHILLER + 1A PACKAGE BUILDING - NUMERATION AND RCC DRAWING FOR FOUNDATION	
CHECKED	08-04-2025	MA		
APPROVED	08-04-2025	IB		
SCALE	N.T.S			
L&T DRG. NO.:	LTEG0006-C-F-0005		SHEET	01 OF 01 REV. 01

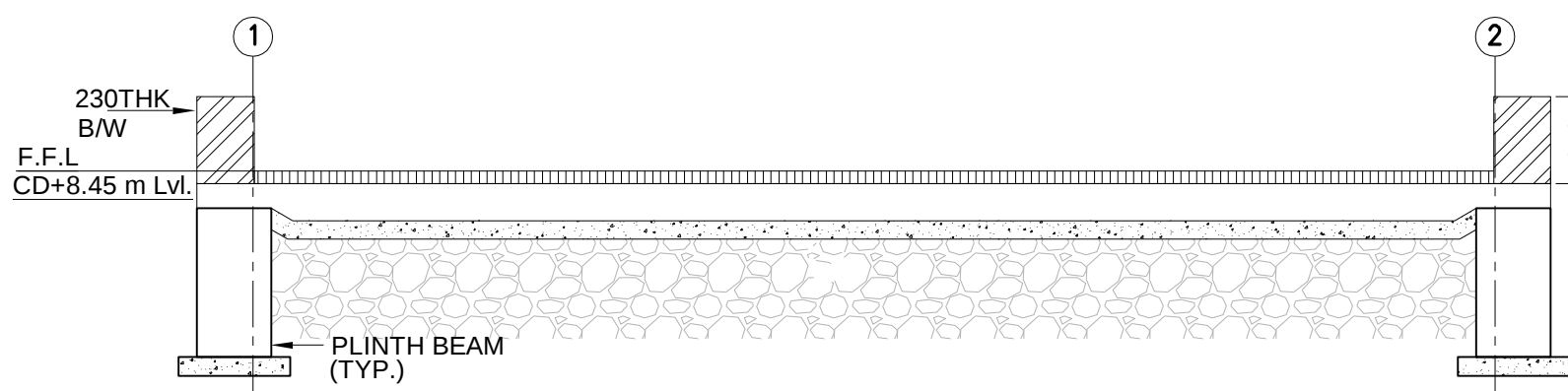
At (594mm x 841mm)

THIS DRAWING AND DESIGN IS THE PROPERTY OF LARSEN & TOUBRO LIMITED AND MUST NOT BE COPIED OR LENT WITHOUT THEIR PERMISSION IN WRITING.

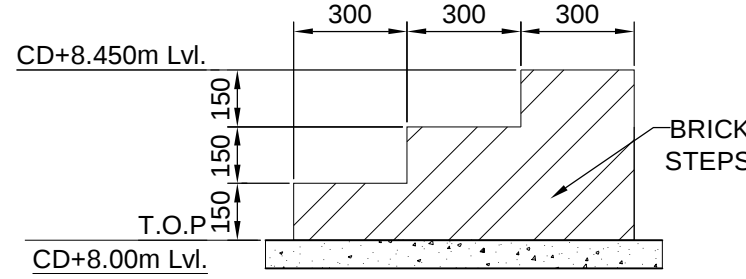


GRADE SLAB PLAN AT CD+8.450M (F.F.L) (UNO)
SCALE 1:50

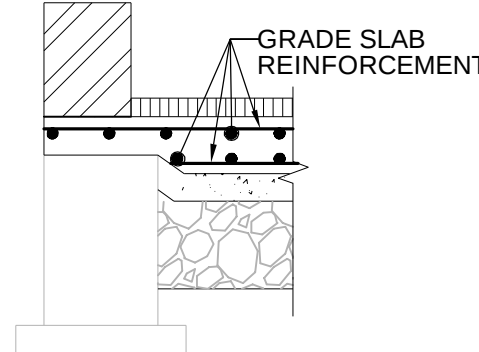
GRADE SLAB REINFORCEMENT PLAN
SCALE 1:50



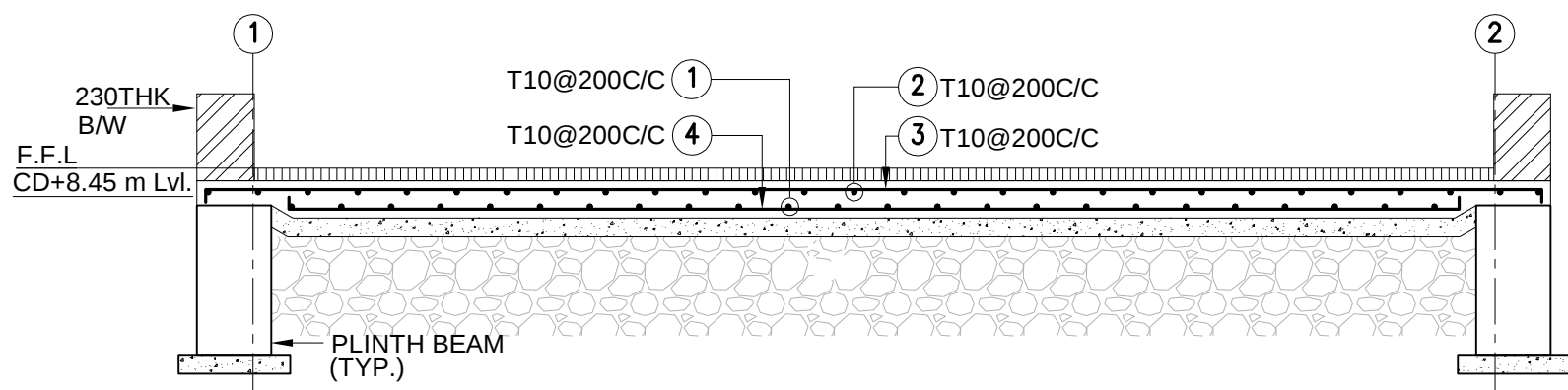
SECTION A-A
SCALE 1:30



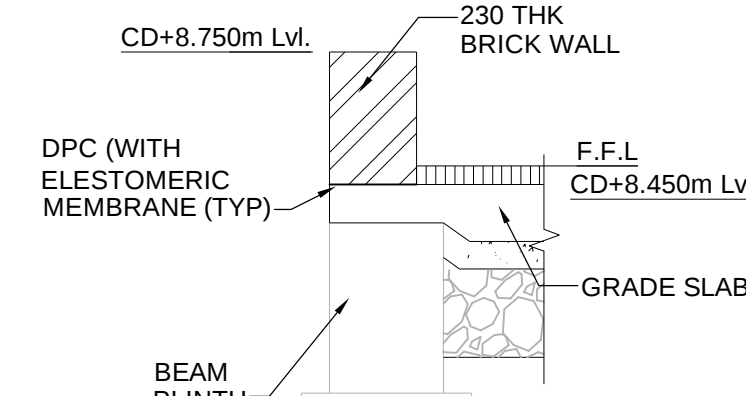
SECTION B-B
SCALE 1:20



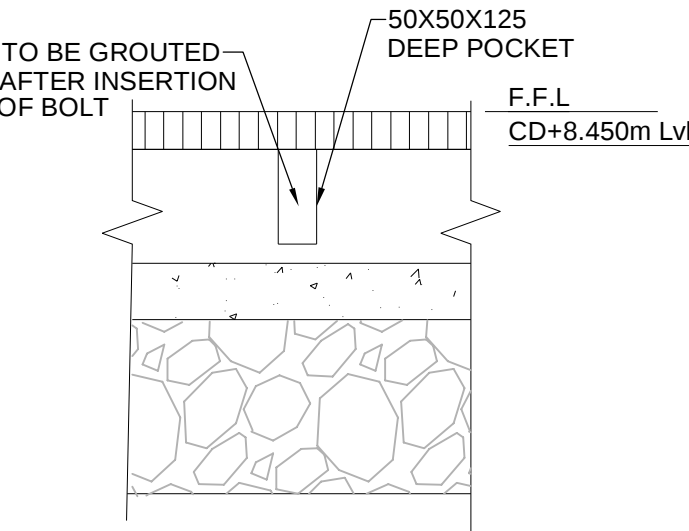
SECTION C-C
SCALE 1:20



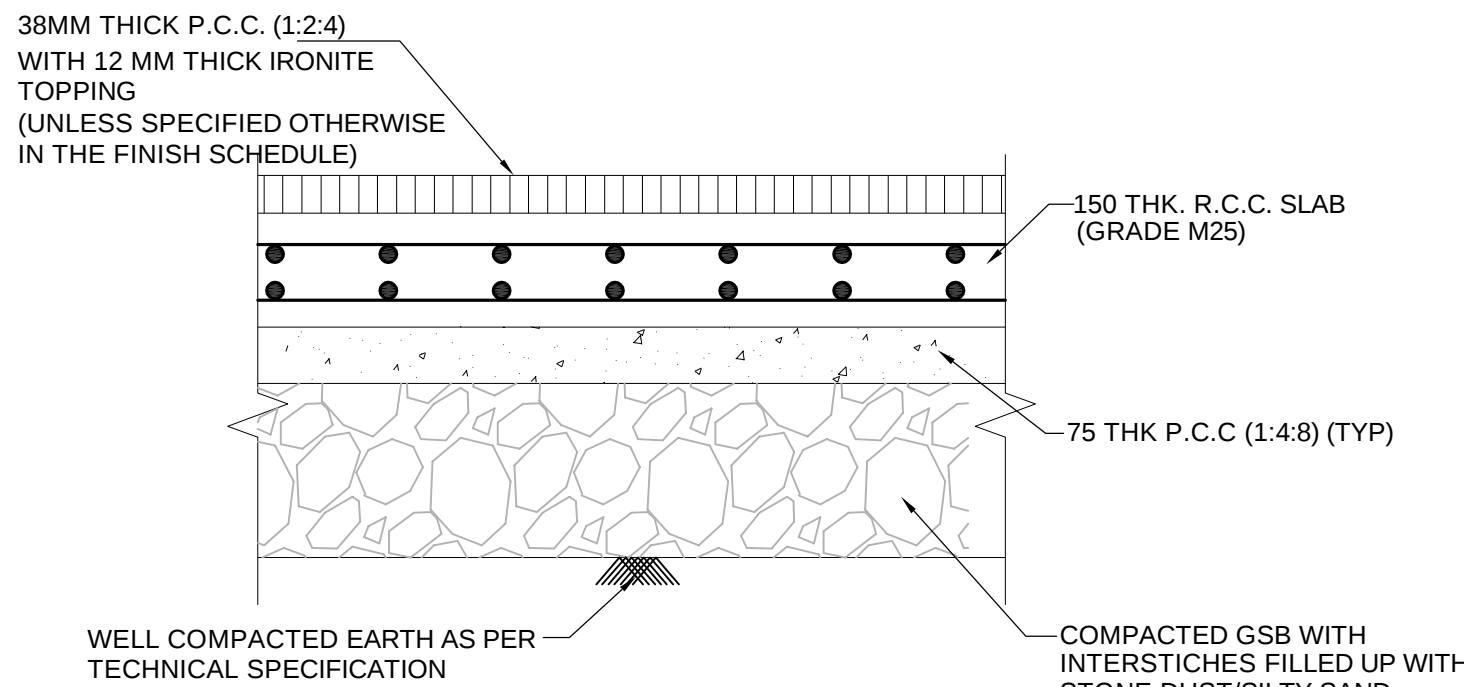
SECTION A-A FOR REINFORMENT DETAIL
SCALE 1:30



SECTION C-C
SCALE 1:20

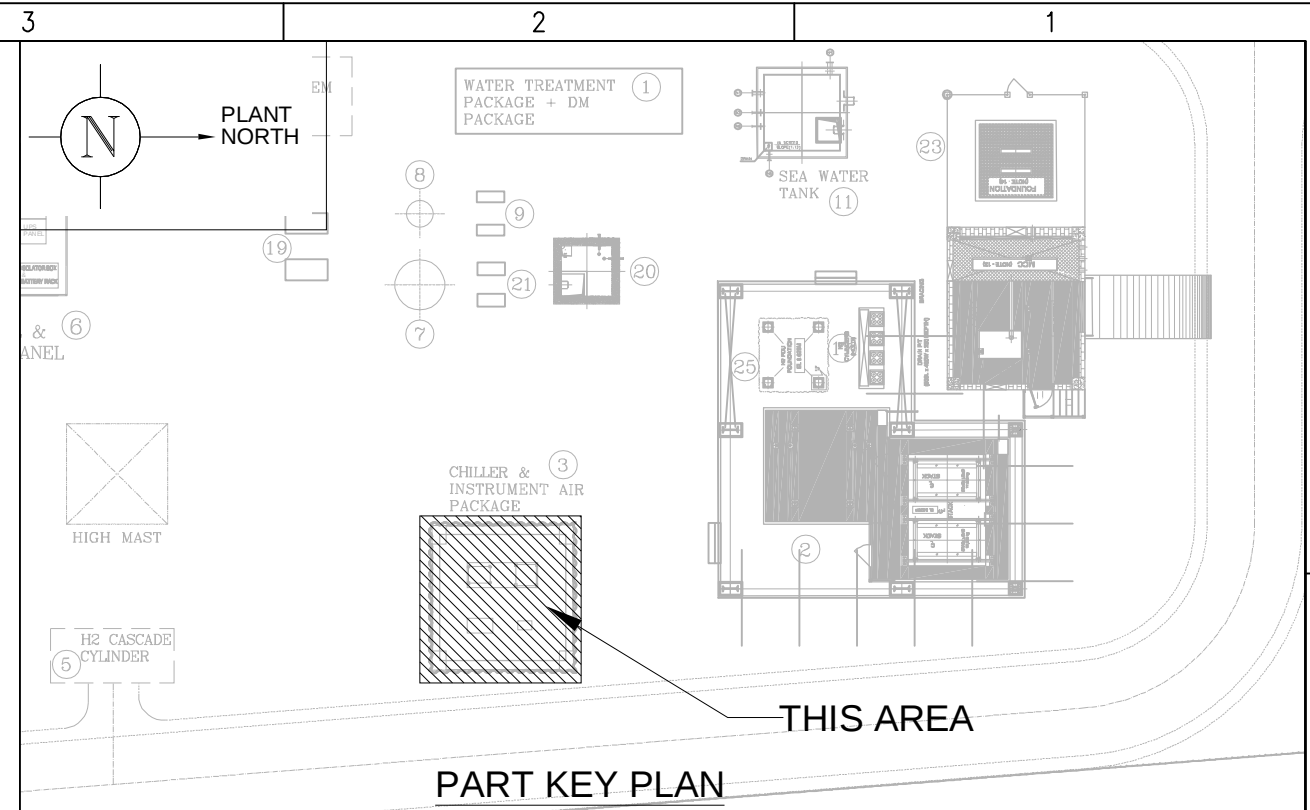


SECTION D-D
SCALE 1:10



TYP. DETAIL OF GRADE SLAB
SCALE 1:10

APPROXIMATE QUANTITES		
SR. NO	ITEMS	QUANTITY
01	PCC (1:4:8)	2.60 CUM
02	RCC (M25)	4.65 CUM
03	SHUTTERING	3.35 SQM
04	BRICK WALL	2.60 CUM
05	PLASTER 18MM THK	11.30 SQM
06	REBAR	AS PER BBS
07	DPC	5.12 SQM
08	IPS FLOORING	31.00 SQM



- NOTES:**
- ALL DIMENSIONS ARE IN MM, LEVELS AND CO-ORDINATES ARE IN METER UNLESS NOTED OTHERWISE.
 - THIS DRAWING SHALL BE READ IN CONJUNCTION WITH SPECIFICATION AND BILL OF QUANTITIES.
 - ALL WORKS SHALL BE CARRIED OUT AS PER TECHNICAL SPECIFICATION, AND ANY DIFFERENCE SHALL BE BROUGHT TO THE NOTICE OF ENGINEER-IN-CHARGE/DESIGN OFFICE.
 - CONCRETE SHALL BE POURED ONLY AFTER SITE ENGINEER GIVES INSPECTION CLEARANCE FOR REBAR LAID IN COMPLIANCE TO DESIGN DRAWING.
 - THE REINFORCED CONCRETE SHALL BE OF GRADE M25 AND SHOULD CONFIRM TO IS:456-2000. THE CEMENT SHALL BE OPC-S3 GRADE.
 - ALL REINFORCEMENT SHALL BE HIGH STRENGTH CORROSION RESISTANT COATED DEFORMED BAR OF GRADE FE-500D CONFORMING TO IS:1786.
 - GSB SHALL BE BACK FILLED WITH COMPACTION IN LAYERS OF 200 MM THICK TO ACHIEVE THE 95% MAXIMUM PROCTOR DRY DENSITY AS PER IS: 2720 PART VIII.
 - GRADE SLAB CLEAR COVER SHOULD BE CONSIDER AS 35MM.

- LEGENDS:**
- | | |
|-------------------------|-----------------------|
| T.O.C - TOP OF CONCRETE | T.O.P - TOP OF PAVING |
| B.O.B - BOTTOM OF BEAM | ----- BOTTOM REBAR |
| CL - CENTER LINE | ----- TOP REBAR |
| B/W - BRICK WALL | F.F.L - FINISH FLOOR |
| C/C - CENTER TO CENTER | |

REFERENCE DRAWINGS:		DRAWING TITLE
DRAWING NO.	LTEG0006-C-D-0002	GENERAL NOTES
REV.	STPL/SBCBH/2024-25/250107-72/50, RA-4.	SOIL INVESTIGATION REPORT
DRAWING NO.	LTEG0006-C-F-0005	CHILLER 1A PACKAGE BUILDING - NUMERATION AND RCC DRAWING FOR FOUNDATION

HOLD LIST:

REV.	DATE	DESCRIPTION	MRC	MA	IB
00	16-04-2025	ISSUED FOR CONSTRUCTION	PPD	CHD	APPD

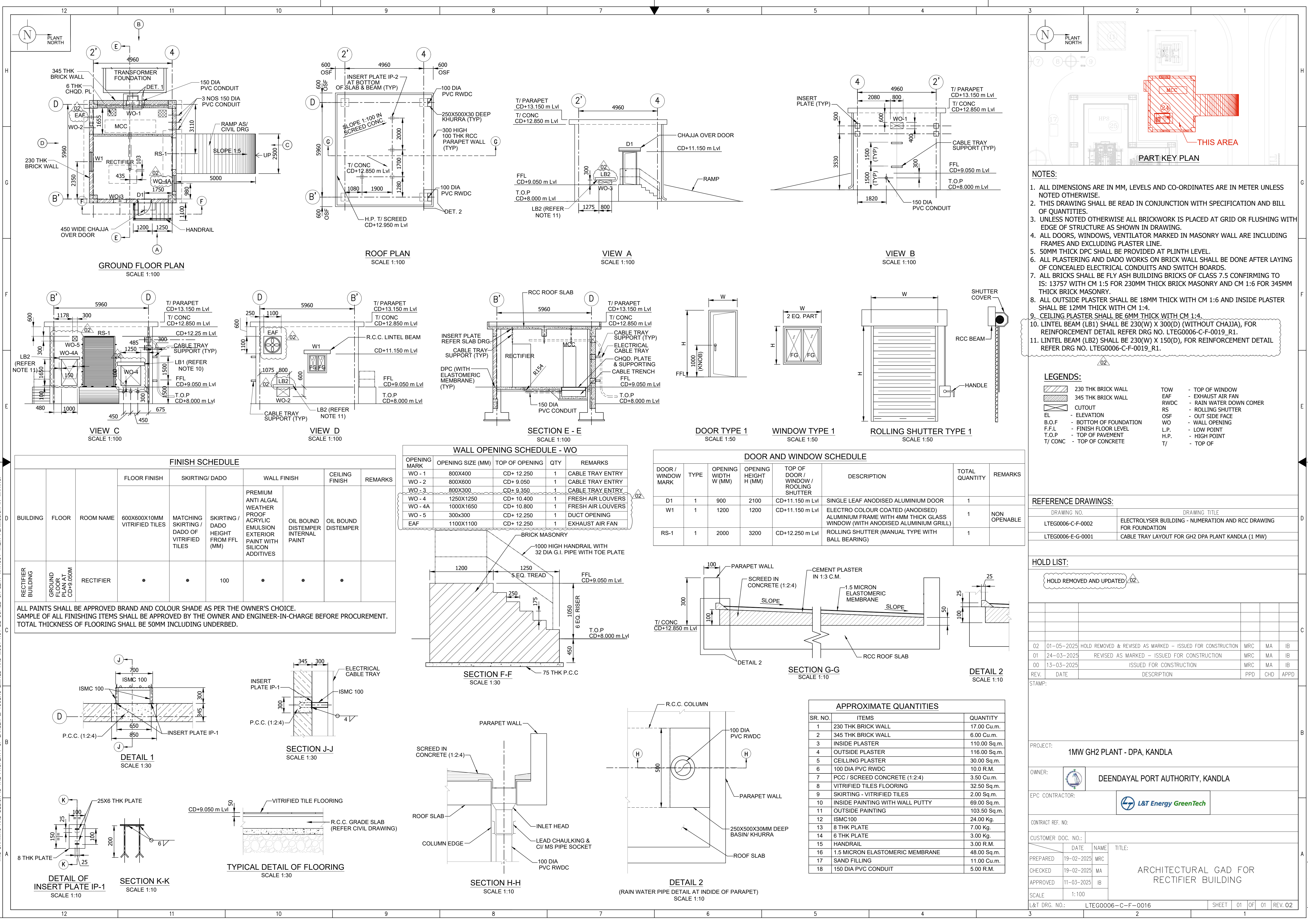
PROJECT: 1MW GH2 PLANT - DPA, KANDLA

OWNER: DEENDAYAL PORT AUTHORITY, KANDLA

EPC CONTRACTOR: L&T Energy GreenTech

CONTRACT REF. NO:

CUSTOMER DOC. NO.:			TITLE:
PREPARED	DATE	NAME	CHILLER + 1A PACKAGE BUILDING - NUMERATION AND RCC DRAWING FOR GRADE SLAB
CHECKED	11-04-2025	MA	
APPROVED	11-04-2025	IB	
SCALE	AS NOTED		



- NOTES:**
- 1. ALL DIMENSIONS ARE IN MM, LEVELS AND CO-ORDINATES ARE IN METER UNLESS NOTED OTHERWISE.
 - 2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH SPECIFICATION AND BILL OF QUANTITIES.
 - 3. UNLESS NOTED OTHERWISE ALL BRICKWORK IS PLACED AT GRID OR FLUSHING WITH EDGE OF STRUCTURE AS SHOWN IN DRAWING.
 - 4. ALL DOORS, WINDOWS, VENTILATOR MARKED IN MASONRY WALL ARE INCLUDING FRAMES AND EXCLUDING PLASTER LINE.
 - 5. 50MM THICK DPC SHALL BE PROVIDED AT PLINTH LEVEL.
 - 6. ALL PLASTERING AND DADO WORKS ON BRICK WALL SHALL BE DONE AFTER LAYING OF CONCEALED ELECTRICAL CONDUITS AND SWITCH BOARDS.
 - 7. ALL BRICKS SHALL BE FLY ASH BUILDING BRICKS OF CLASS 7.5 CONFIRMING TO IS: 13757 WITH CM 1:5 FOR 230MM THICK BRICK MASONRY AND CM 1:6 FOR 345MM THICK BRICK MASONRY.
 - 8. ALL OUTSIDE PLASTER SHALL BE 18MM THICK WITH CM 1:6 AND INSIDE PLASTER SHALL BE 12MM THICK WITH CM 1:4.
 - 9. CEILING PLASTER SHALL BE 6MM THICK WITH CM 1:4.
 - 10. LINTEL BEAM (LB1) SHALL BE 230(W) X 300(D) (WITHOUT CHAJJA), FOR REINFORCEMENT DETAIL REFER DRG NO. LTEG0006-C-F-0019_R1.
 - 11. LINTEL BEAM (LB2) SHALL BE 230(W) X 150(D), FOR REINFORCEMENT DETAIL REFER DRG NO. LTEG0006-C-F-0019_R1.
- LEGENDS:**
- | | | | |
|--|------------------------|------|-------------------------|
| | 230 THK BRICK WALL | TOW | - TOP OF WINDOW |
| | 345 THK BRICK WALL | EAF | - EXHAUST AIR FAN |
| | CUTOUT | RWDC | - RAIN WATER DOWN COMER |
| | - ELEVATION | RS | - ROLLING SHUTTER |
| | - BOTTOM OF FOUNDATION | WO | - WALL OPENING |
| | - FINISH FLOOR LEVEL | L.P. | - LOW POINT |
| | - TOP OF PAVEMENT | H.P. | - HIGH POINT |
| | - TOP OF CONCRETE | T/ | - TOP OF |

REFERENCE DRAWINGS:

DRAWING NO.	DRAWING TITLE
LTEG0006-C-F-0002	ELECTROLYSER BUILDING - NUMERATION AND RCC DRAWING FOR FOUNDATION
LTEG0006-E-G-0001	CABLE TRAY LAYOUT FOR GH2 DPA PLANT KANDLA (1 MW)

HOLD LIST:

HOLD REMOVED AND UPDATED					
02	01-05-2025	HOLD REMOVED & REVISED AS MARKED - ISSUED FOR CONSTRUCTION	MRC	MA	IB
01	24-03-2025	REVISED AS MARKED - ISSUED FOR CONSTRUCTION	MRC	MA	IB
00	13-03-2025	ISSUED FOR CONSTRUCTION	MRC	MA	IB
REV.	DATE	DESCRIPTION	PPD	CHD	APPD

STAMP:

PROJECT: 1MW GH2 PLANT - DPA, KANDLA

OWNER: DEENDAYAL PORT AUTHORITY, KANDLA

EPC CONTRACTOR: L&T Energy GreenTech

CONTRACT REF. NO:

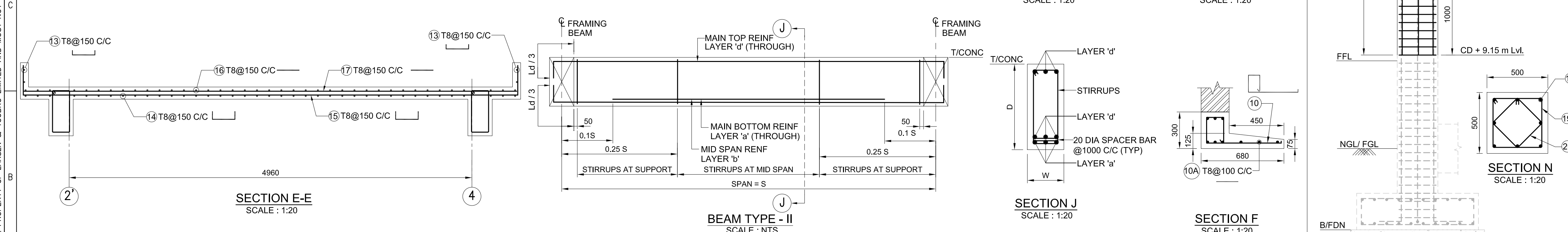
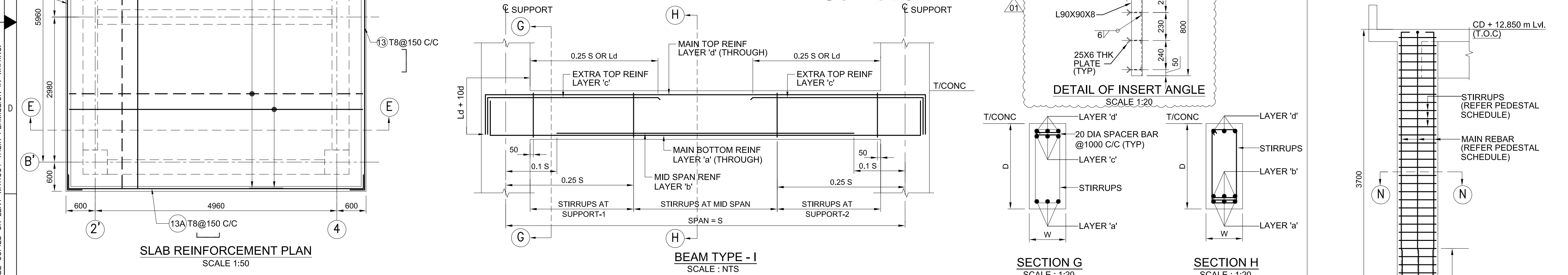
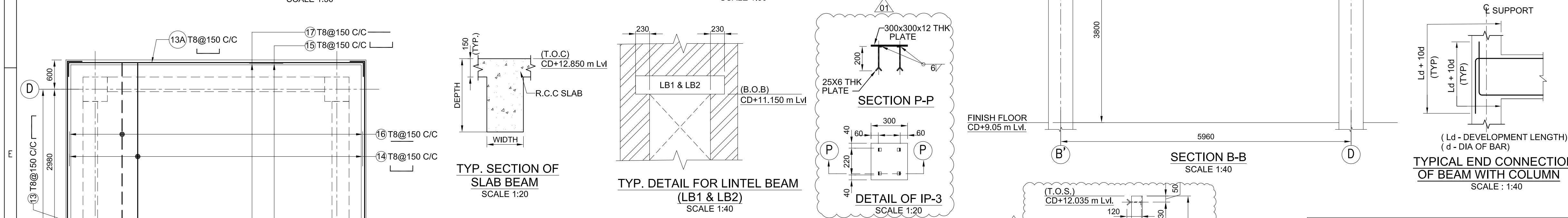
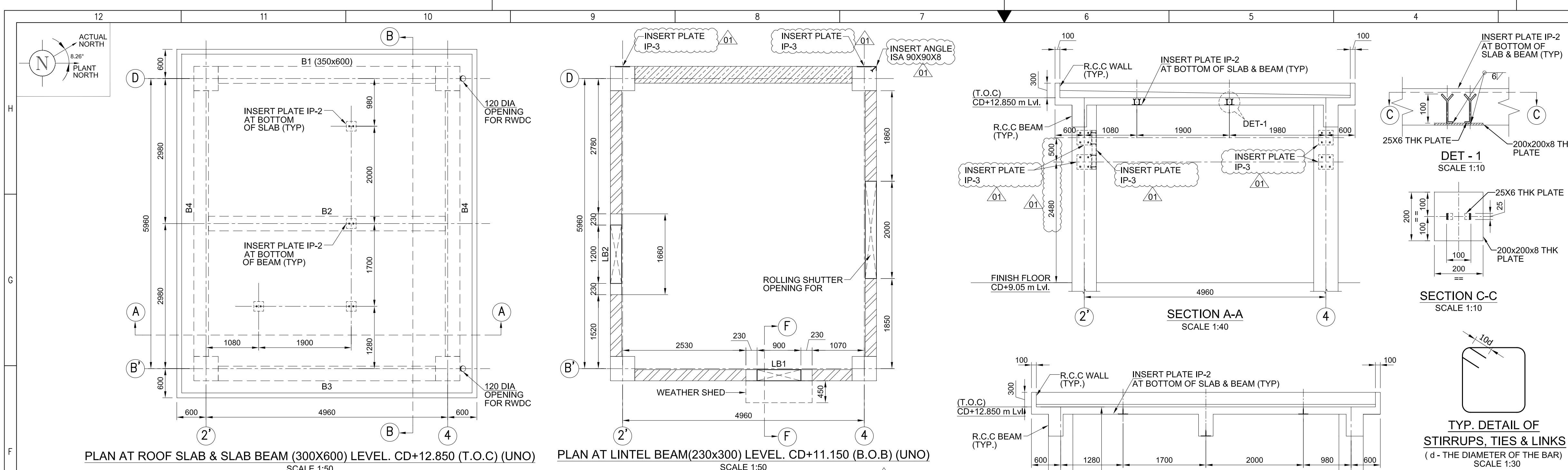
CUSTOMER DOC. NO:

PREPARED	19-02-2025	MRC	TITLE:
CHECKED	19-02-2025	MA	ARCHITECTURAL GAD FOR RECTIFIER BUILDING
APPROVED	11-03-2025	IB	

SCALE: 1:100

L&T DRG. NO.: LTEG0006-C-F-0016

SHEET 01 OF 01 REV. 02



SLAB BEAM SCHEDULE																					SECTION M														
																					REFER DRAWING NO:-LTEG0006-C-F-0002 (SHEET 01 OF 02 & 02 OF 02) SCALE 1:30														
BEAM MKD.	TYPE	W	D	THROUGH				SUPPORT-1					MID SPAN				SUPPORT-2				STIRRUPS LEG														
				BOTT	BOTT	TOP	TOP	EXT BOTT	EXT BOTT	EXT TOP	EXT TOP	STIRRUPS AT SUPPORT	EXT BOTT	EXT BOTT	STIRRUPS AT MID SPAN	EXT BOTT	EXT BOTT	EXT TOP	EXT TOP	STIRRUPS															
				a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d																
B1	I	350	600	① 3-T16	-	-	① 3-T16	-	-	-	-	② 2L-T8@100 C/C	-	-	② 2L-T8@150 C/C	-	-	-	-	② 2L-T8@100 C/C	2 LEGGED														
B2	II	300	600	③ 3-T16	-	-	③ 3-T16	-	-	-	-	④ 2L-T8@100 C/C	-	-	④ 2L-T8@150 C/C	-	-	-	-	④ 2L-T8@100 C/C	2 LEGGED														
B3	I	300	600	⑤ 3-T16	-	-	⑤ 3-T16	-	-	-	-	⑥ 2L-T8@100 C/C	-	-	⑥ 2L-T8@150 C/C	-	-	-	-	⑥ 2L-T8@100 C/C	2 LEGGED														
B4	I	300	600	⑦ 3-T16	-	-	⑦ 3-T16	-	-	-	-	⑧ 2L-T8@100 C/C	-	-	⑧ 2L-T8@150 C/C	-	-	-	-	⑧ 2L-T8@100 C/C	2 LEGGED														
LB1	II	230	300	⑨ 3-T10	-	-	⑨ 3-T10	-	-	-	-	⑩ 2L-T8@100 C/C	-	-	⑩ 2L-T8@100 C/C	-	-	-	-	⑩ 2L-T8@100 C/C	2 LEGGED														
LB2	II	230	150	⑪ 3-T10	-	-	⑪ 3-T10	-	-	-	-	⑫ 2L-T8@100 C/C	-	-	⑫ 2L-T8@100 C/C	-	-	-	-	⑫ 2L-T8@100 C/C	2 LEGGED														
12				11				10				9				8				7				6				5				4			

SR. NO

ITEMS

QUANTITY

01

RCC (M30)

17.00 CUM

02

SHUTTERING

78.00 SQM

03

REBAR

AS PER BB

04

12 THK PLATE

35 KG.

05

L90X90X8

4 KG

ACTUAL NORTH
8.26°
PLANT NORTH

NOTES:

- ALL DIMENSIONS ARE IN MM, LEVELS AND CO-ORDINATES ARE IN METER UNLESS NOTED OTHERWISE.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH SPECIFICATION AND BILL OF QUANTITIES.
- ALL WORKS SHALL BE CARRIED OUT AS PER TECHNICAL SPECIFICATION, AND ANY DIFFERENCE SHALL BE BROUGHT TO THE NOTICE OF ENGINEER-IN-CHARGE/DESIGN OFFICE.
- CONCRETE SHALL BE POURED ONLY AFTER SITE ENGINEER GIVES INSPECTION CLEARANCE FOR REBAR LAID IN COMPLIANCE TO DESIGN DRAWING.
- THE REINFORCED CONCRETE SHALL BE OF GRADE M30 AND SHOULD CONFIRM TO IS:456-2000. THE CEMENT SHALL BE OPC-53 GRADE.
- ALL REINFORCEMENT SHALL BE HIGH STRENGTH CORROSION RESISTANT COATED DEFORMED BAR OF GRADE FE-500D CONFORMING TO IS:1786.
- LINTEL BEAM SHALL BE CASTED AFTER CASTING OF THE B/W UPTO THE BOTTOM OF THE LINTEL.

LEGENDS:

T.O.C - TOP OF CONCRETE
B.O.B - BOTTOM OF BEAM
CL - CENTER LINE
B/W - BRICK WALL

REFERENCE DRAWINGS:

DRAWING NO.	DRAWING TITLE
LTEG0006-C-D-0002	GENERAL NOTES
LTEG0006-C-F-0016	ARCHITECTURAL GAD FOR RECTIFIER BUILDING
LTEG0006-C-F-0002	ELECTROLYSER BUILDING-NUMERATION AND RCC DRAWING FOR FOUNDATION

HOLD LIST:

REV.	DATE	DESCRIPTION	PPD	CHD	APPD
01	24-03-2025	REVISED AS MARKED - ISSUED FOR CONSTRUCTION	MRC	MA	IB
00	13-03-2025	ISSUED FOR CONSTRUCTION	AKP	MA	IB

STAMP:

PROJECT: 1MW GH2 PLANT - DPA, KANDLA

OWNER: DEENDAYAL PORT AUTHORITY, KANDLA

EPC CONTRACTOR: L&T Energy GreenTech

CONTRACT REF. NO:

CUSTOMER DOC. NO:

PREPARED: 06-03-2025 AKP

CHECKED: 07-03-2025 MA

APPROVED: 11-03-2025 IB

SCALE: N.T.S.

RECTIFIER BUILDING-NUMERATION AND RCC DRAWING FOR SUPER STRUCTURE

L&T DRG. NO.: LTEG0006-C-F-0019

SHEET 01 OF 01 REV. 01

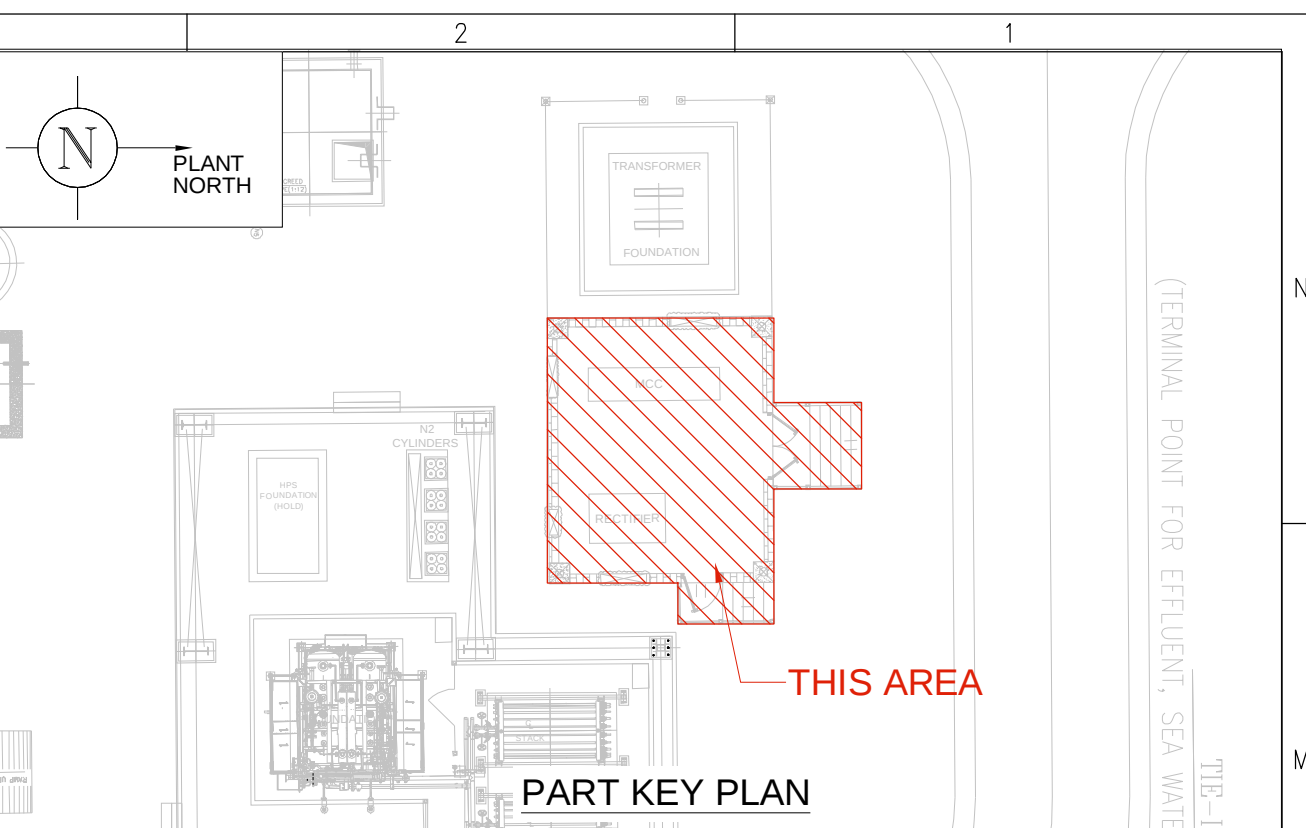
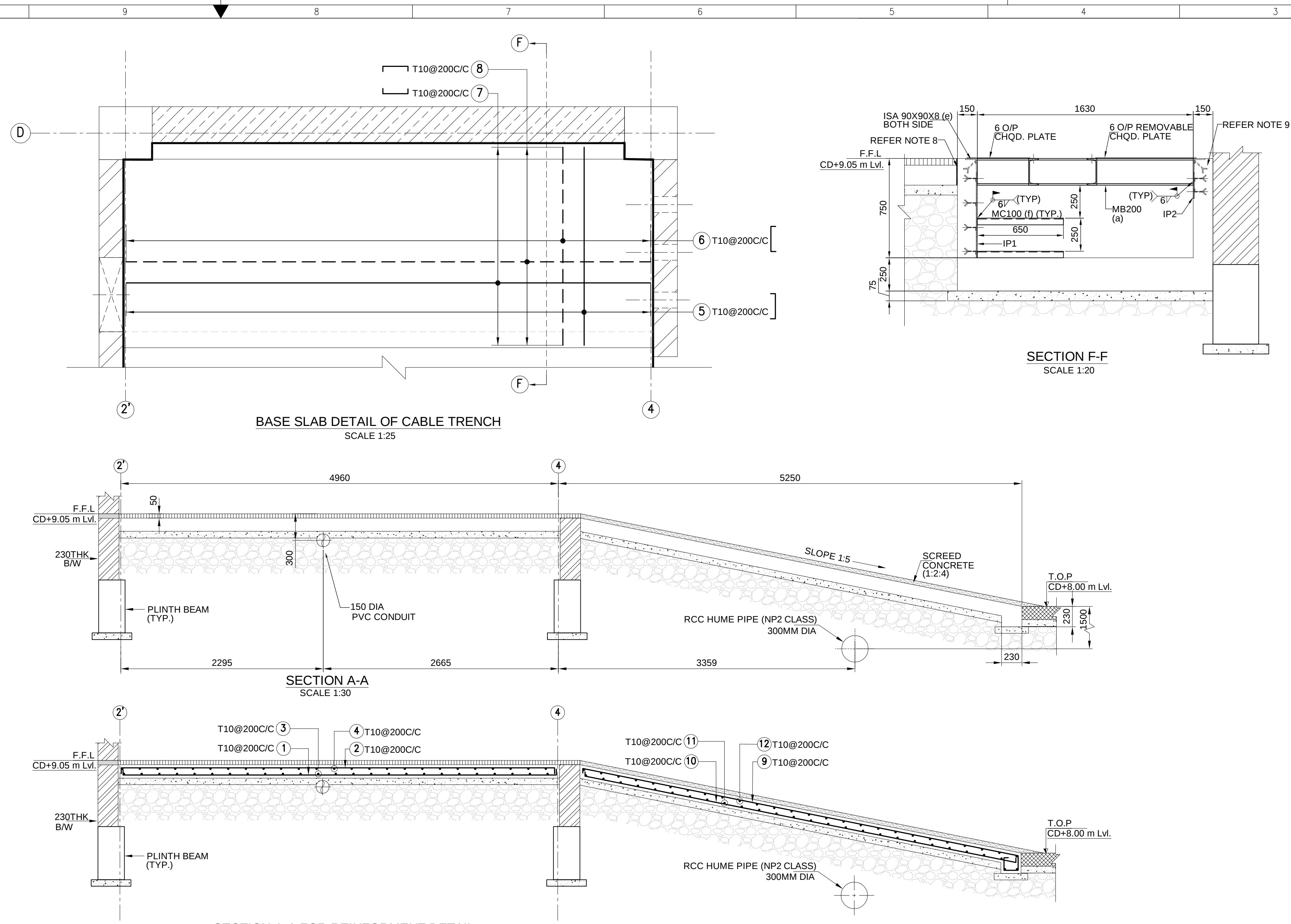
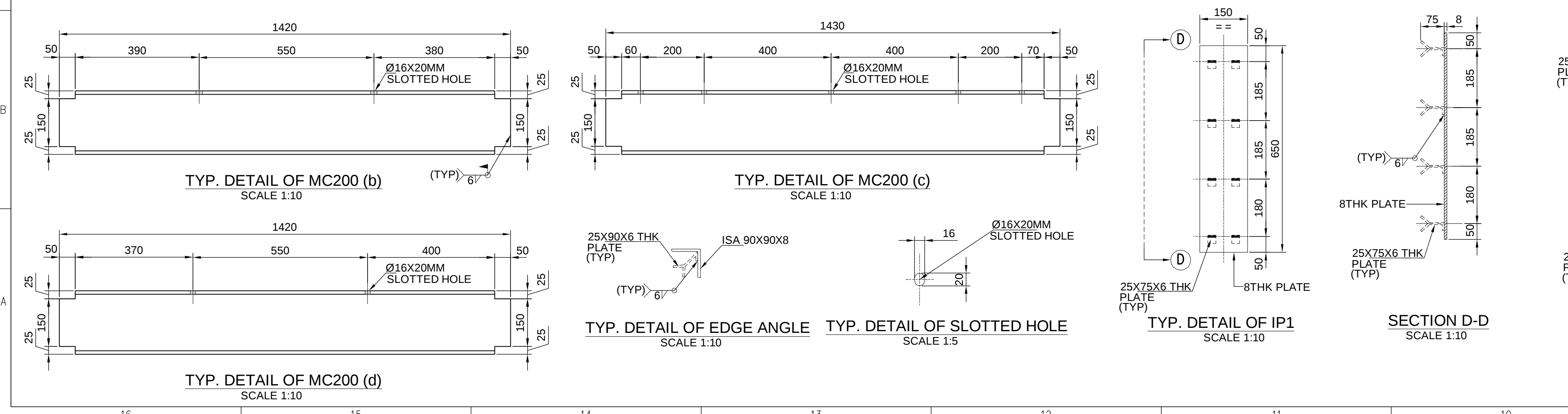
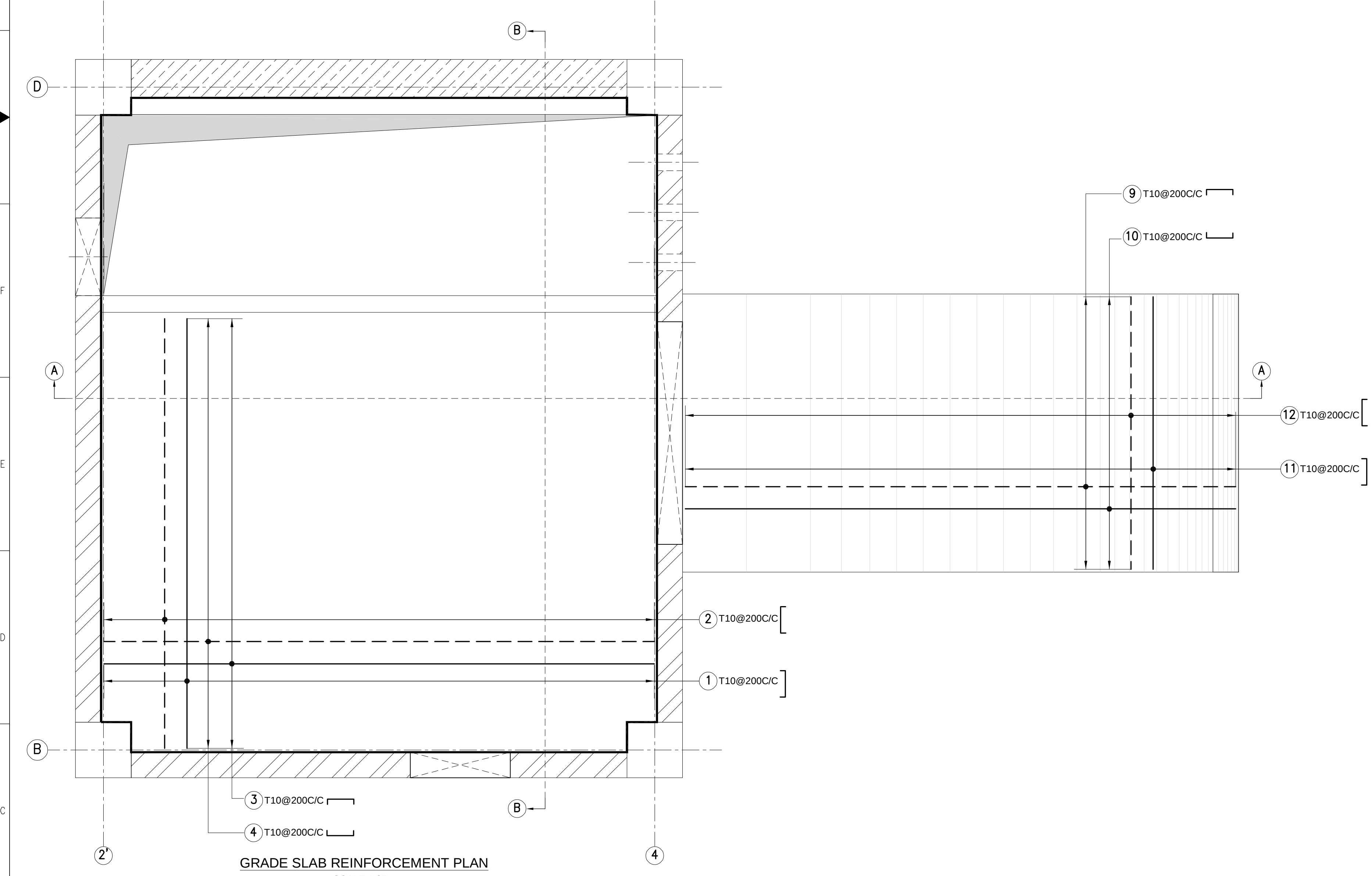
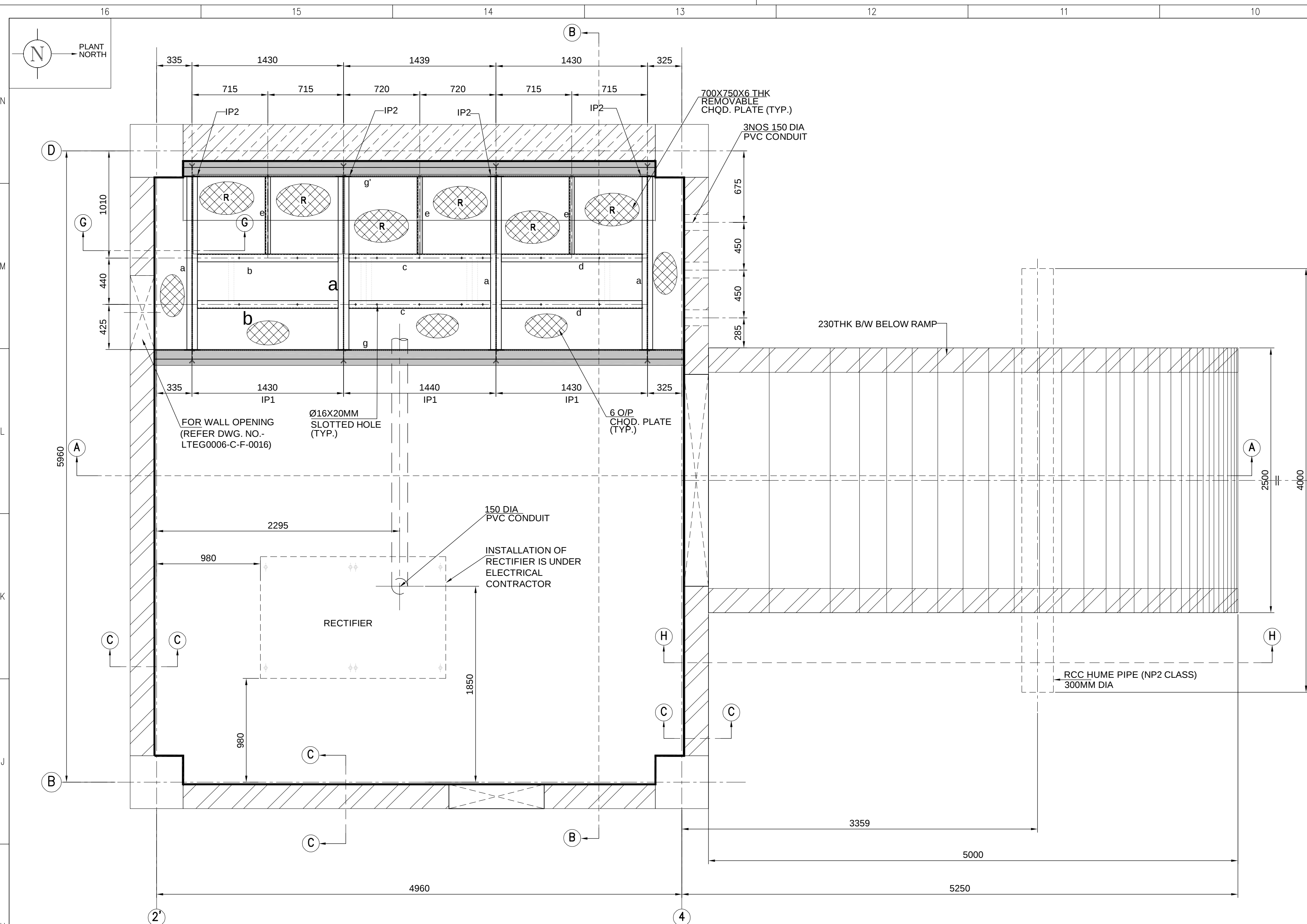
TOP OF PAVEMENT SHALL BE CD(+)8.00M
(AS PER INFORMATION RECEIVED FROM CUSTOMER).

APPROXIMATE QUANTITIES

SR. NO	ITEMS	QUANTITY
01	RCC (M30)	17.00 CUM
02	SHUTTERING	78.00 SQM
03	REBAR	AS PER BBS
04	12 THK PLATE	35 KG.
05	L90X90X8	4 KG

THIS DRAWING AND DESIGN IS THE PROPERTY OF LARSEN & TOUBRO LIMITED AND MUST NOT BE COPIED OR LENT WITHOUT THEIR PERMISSION IN WRITING.

A1 (594mm x 841mm)



NOTES:

- ALL DIMENSIONS ARE IN MM. LEVELS AND CO-ORDINATES ARE IN METER UNLESS NOTED OTHERWISE.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH SPECIFICATION AND BILL OF QUANTITIES.
- ALL WORKS SHALL BE CARRIED OUT AS PER TECHNICAL SPECIFICATION, AND ANY DIFFERENCE SHALL BE BROUGHT TO THE NOTICE OF ENGINEER-IN-CHARGE/DESIGN OFFICE.
- CONCRETE SHALL BE POURED ONLY AFTER SITE ENGINEER GIVES INSPECTION CLEARANCE FOR REBAR LAID IN COMPLIANCE TO DESIGN DRAWING.
- THE REINFORCED CONCRETE SHALL BE OF GRADE M25 AND SHOULD CONFORM TO IS:456-2000. THE CEMENT SHALL BE OPC-53 GRADE.
- ALL REINFORCEMENT SHALL BE HIGH STRENGTH CORROSION RESISTANT COATED DEFORMED BAR OF GRADE FE-600D CONFORMING TO IS:1786.
- GSB SHALL BE BACK FILLED WITH COMPACTION IN LAYERS OF 200 MM THICK TO ACHIEVE THE 95% MAXIMUM PROCTOR DRY DENSITY AS PER IS: 2720 PART VIII.
- 10MM GAP BETWEEN REDESTATS ALREADY CASTED FROM THE BEAM TOP & THE GRADE SLAB CONCRETE SHALL BE SEALED WITH JOINT SEALANT COMPOUND (BITUMEN) & SHALITE BOARD.
- CABLE TRENCH WALL TO BE CASTED AFTER B/W CONSTRUCTION, SHUTTERING IS NOT REQUIRED AT THIS FACE FOR WALL CASTING.
- GRADE SLAB & TRENCH WALL CLEAR COVER SHOULD BE CONSIDER AS 35MM.

LEGENDS:

T.O.C - TOP OF CONCRETE
B.O.B - BOTTOM OF BEAM
CL - CENTER LINE
B/W - BRICK WALL
CHQD - CHEQUERED PLATE
C/C - CENTER TO CENTER

T.O.P - TOP OF PAVING
S.O.B - BOTTOM OF BEAM
F.F.L - FINISH FLOOR
CHQD - REMOVABLE CHEQUERED PLATE
C/C - CUTOUT

TOP OF PAVEMENT SHALL BE CD(+)-8.00M (AS PER INFORMATION RECEIVED FROM CUSTOMER).

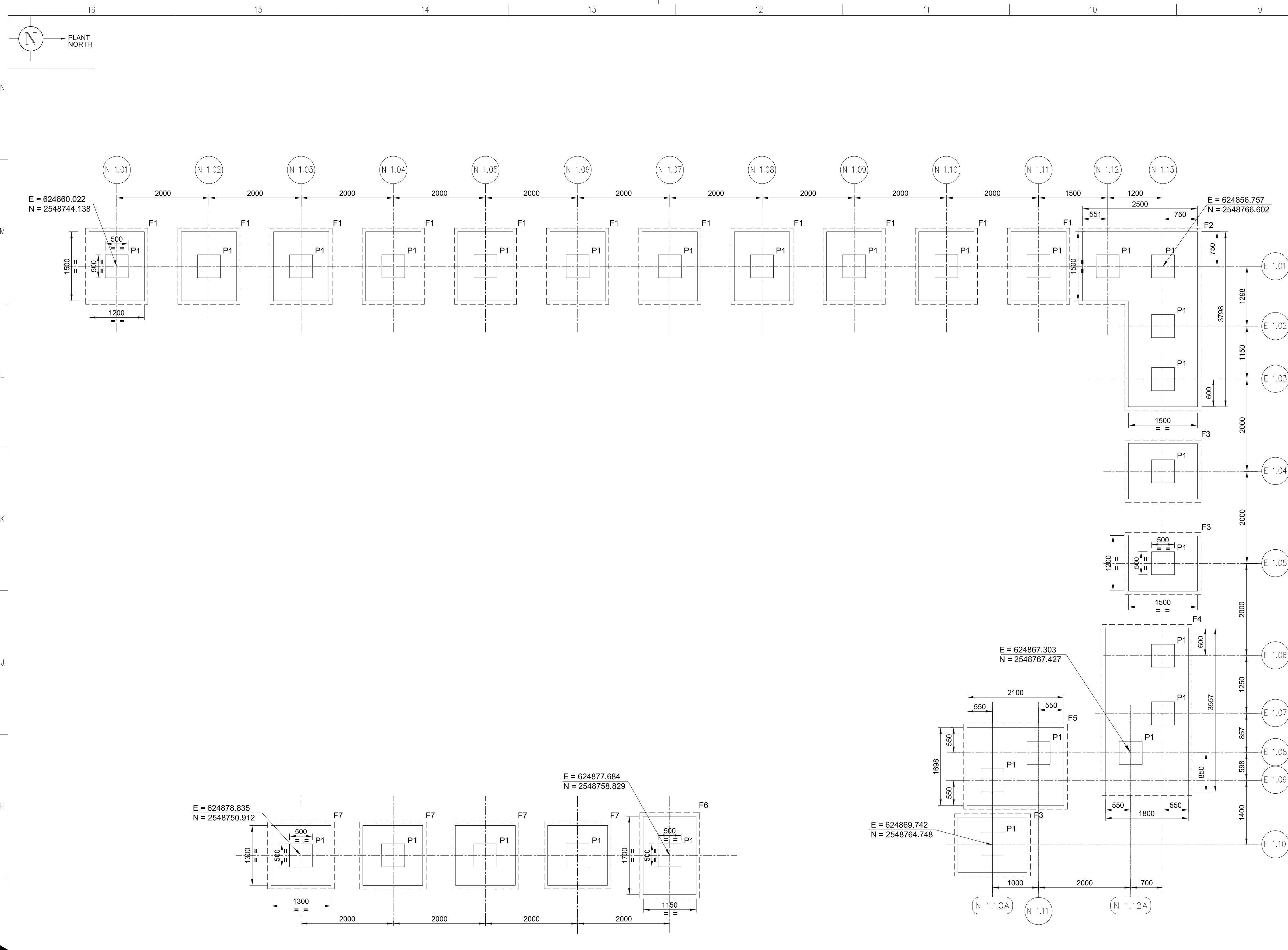
REFERENCE DRAWINGS:		DRAWING TITLE	
DRAWING NO.	LTEG0006-C-D-0002	GENERAL NOTES	
DATE	11-04-2025	ARCHITECTURAL CAD FOR RECTIFIER BUILDING	
REV.	08-04-2025	ELECTROLYSER BUILDING-NUMERATION AND RCC DRAWING FOR FOUNDATION	
SCALE	AS NOTED		

NO.	DATE	ISSUED FOR CONSTRUCTION	HHK	MA	IB
00	11-04-2025	ISSUED FOR CONSTRUCTION	HHK	MA	IB
REV.	DATE	DESCRIPTION	PPD	CHD	APPD
01	08-04-2025	MA			
02	08-04-2025	IB			
03	08-04-2025	IB			
04	08-04-2025	IB			
05	08-04-2025	IB			
06	08-04-2025	IB			
07	08-04-2025	IB			
08	08-04-2025	IB			
09	08-04-2025	IB			
10	08-04-2025	IB			
11	08-04-2025	IB			
12	08-04-2025	IB			

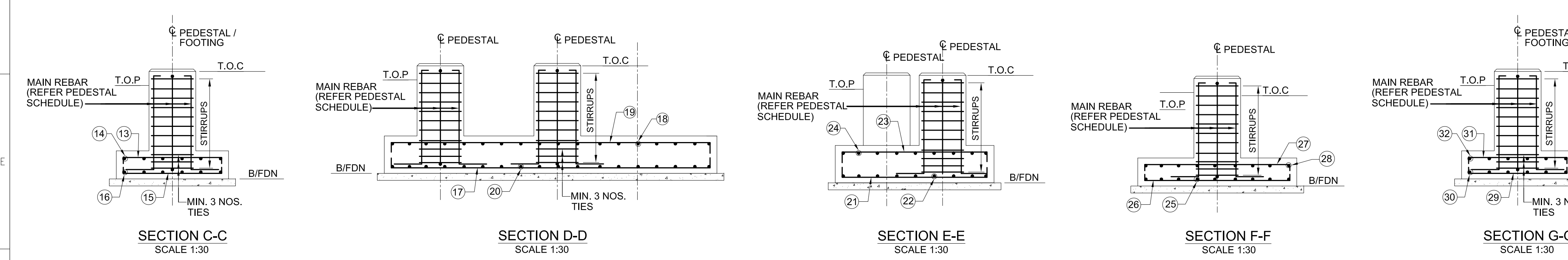
SCHEDULE OF MEMBER		
MARKED MEMBER	SECTION	LENGTH (MM)
a	ISMB 200	1630
b	ISMC 200	1420
c	ISMC 200	1430
d	ISMC 200	1420
e	ISMC 100	725
f	ISMC 100	650
g / g'	ISA 90X90X8	5000 / 4460

APPROXIMATE QUANTITIES		
SR. NO	ITEMS	QUANTITY
01	PCC (1:4:8)	3.10 CUM
02	PCC (1:2:4)	0.60 CUM
03	RCC (M25)	6.00 CUM
04	SHUTTERING	7.50 SQM
05	REBAR	AS PER BBS
06	RCC HUMIE PIPE Ø300	4.00 RM
07	ISMB 200	170 KG
08	ISMC 200	192 KG
09	ISMC 100	71 KG
10	ISA 90X90X8	103 KG
11	8MM THK PLATE	33 KG
12	60/P CHQD. PLATE	410 KG

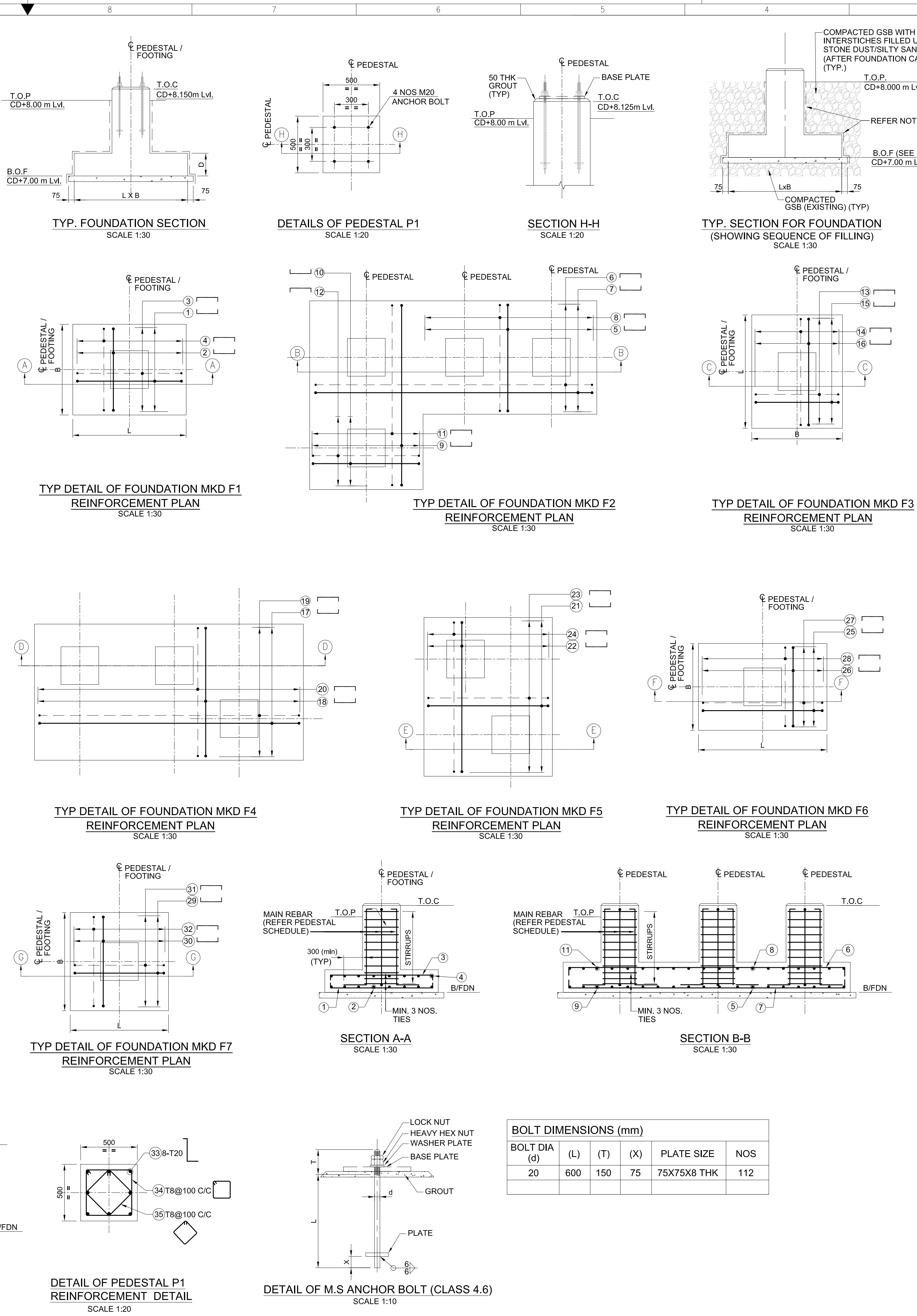
PROJECT:		
1MW GH2 PLANT - DPA, KANDLA		
OWNER:		
DEENDAYAL PORT AUTHORITY, KANDLA		
EPC CONTRACTOR:		
L&T Energy GreenTech		
CONTRACT REF. NO.:		
CUSTOMER DOC. NO.:		
PREPARED		
DATE	08-04-2025	HHK
CHECKED		
DATE	08-04-2025	MA
APPROVED		
DATE	08-04-2025	IB
SCALE		
AS NOTED		
L&T DRG. NO.: LTEG0006-C-F-0023		
SHEET 01 OF 01 REV.00		



FOUNDATION LAYOUT
(B.O.F SHALL BE CD +7.000 m LVL) (UNO)
PLEASE CHECK LAYOUT OF FOUNDATIONS AT
SITE BEFORE STARTING OF EXCAVATION.
SCALE 1:50



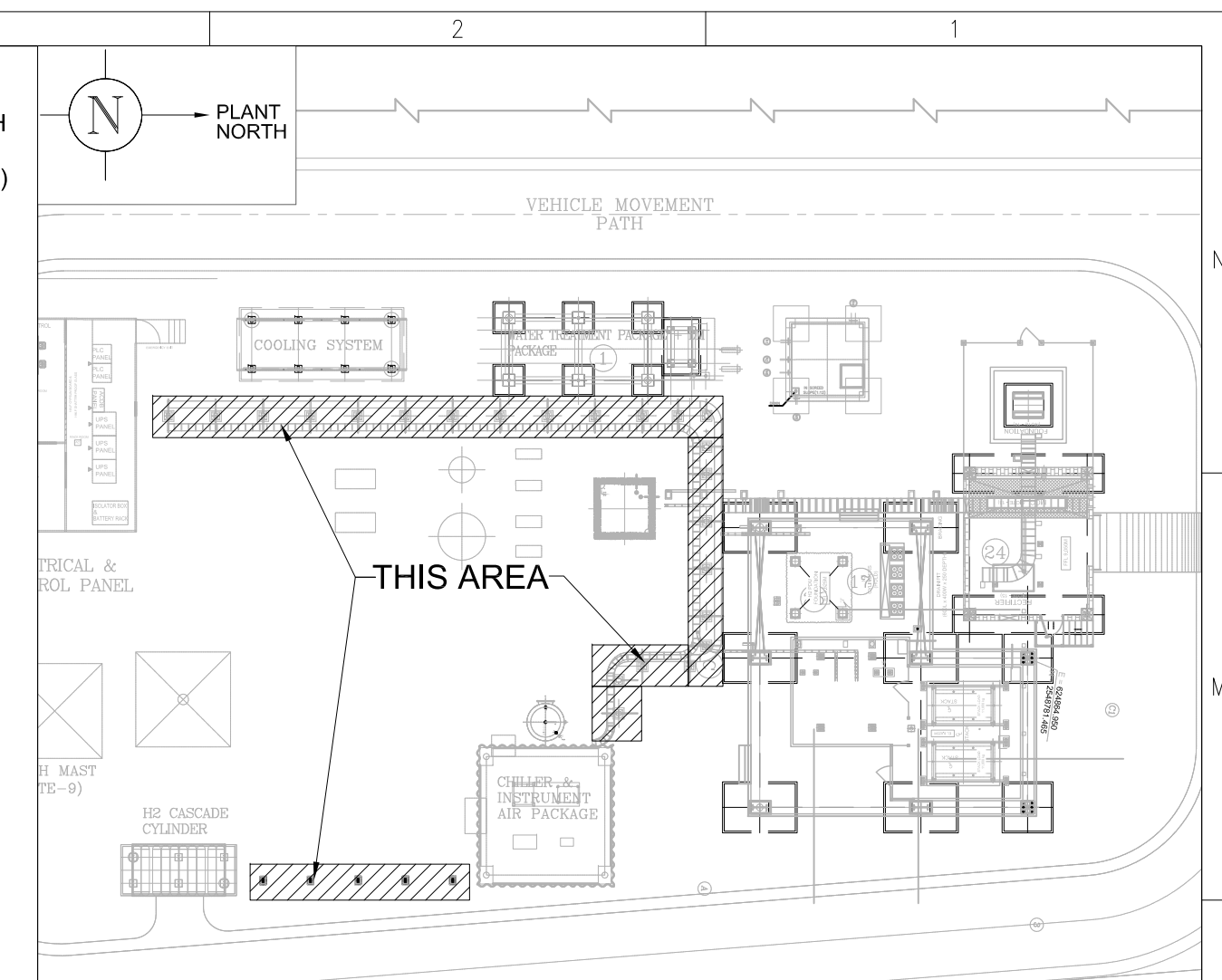
REINFORCEMENT SCHEDULE OF FOUNDATION												
FDN MARK	FOUNDATION SIZE			REINFORCEMENT DETAILS								REMARKS
	L	B	D	AT BOTTOM				AT TOP				
F1	1500	1200	300	① T12@175 C/C	② T12@175 C/C	③ T12@175 C/C	④ T12@175 C/C	⑤ T16@150 C/C	⑥ T16@150 C/C	⑦ T16@150 C/C	⑧ T16@150 C/C	
F2	REFER PLAN	400		⑨ T16@150 C/C	⑩ T16@150 C/C	⑪ T16@150 C/C	⑫ T16@150 C/C	⑬ T12@175 C/C	⑭ T12@175 C/C	⑮ T12@175 C/C	⑯ T12@175 C/C	
F3	1200	1500	300	⑰ T12@175 C/C	⑱ T12@175 C/C	⑲ T12@175 C/C	⑳ T12@175 C/C	㉑ T16@150 C/C	㉒ T16@150 C/C	㉓ T16@150 C/C	㉔ T16@150 C/C	
F4	REFER PLAN	400		㉕ T16@150 C/C	㉖ T16@150 C/C	㉗ T16@150 C/C	㉘ T16@150 C/C	㉙ T16@150 C/C	㉚ T16@150 C/C	㉛ T16@150 C/C	㉜ T16@150 C/C	
F5	REFER PLAN	400		㉝ T16@150 C/C	㉞ T16@150 C/C	㉟ T16@150 C/C	㊱ T16@150 C/C	㊲ T16@150 C/C	㊳ T16@150 C/C	㊴ T16@150 C/C	㊵ T16@150 C/C	
F6	1700	1300	300	㊶ T12@175 C/C	㊷ T12@175 C/C	㊸ T12@175 C/C	㊹ T12@175 C/C	㊺ T12@175 C/C	㊻ T12@175 C/C	㊼ T12@175 C/C	㊽ T12@175 C/C	
F7	1300	1300	300	㊾ T12@175 C/C	㊿ T12@175 C/C	㏀ T12@175 C/C	㏁ T12@175 C/C	㏂ T12@175 C/C	㏃ T12@175 C/C	㏄ T12@175 C/C	㏅ T12@175 C/C	



BOLT DIMENSIONS (mm)					
BOLT DIA (d)	(L)	(T)	(X)	PLATE SIZE	NOS
20	600	150	75	75X75X8 THK	112

SINCE THE FOUNDATION SIZES ARE PRIMARILY GOVERNED BY WIND LOAD, PROPER CARE SHALL BE TAKEN TO COMPACT THE BACKFILLING OF SOIL (OVER THE FOOTING) IN ORDER TO PREVENT OVERTURNING.

APPROXIMATE QUANTITIES		
SR. NO	ITEMS	QUANTITY
01	EXCAVATION	655.00 CUM
02	BACK FILL	626.50 CUM
03	SHUTTERING	106.00 SQM
04	PCC (1:4:8)	5.60 CUM
05	RCC (M30)	25.50 CUM
06	REBAR	AS PER BBS
07	BITUMEN PAINT	152.00 SQM
08	GROUT	0.35 CUM



- NOTES:
- ALL DIMENSIONS ARE IN MM, LEVELS AND CO-ORDINATES ARE IN METER UNLESS NOTED OTHERWISE.
 - THIS DRAWING SHALL BE READ IN CONJUNCTION WITH SPECIFICATION AND BILL OF QUANTITIES.
 - ALL WORKS SHALL BE CARRIED OUT AS PER TECHNICAL SPECIFICATION, AND ANY DIFFERENCE SHALL BE BROUGHT TO THE NOTICE OF ENGINEER-IN-CHARGE/DESIGN OFFICE.
 - CONCRETE SHALL BE POURED ONLY AFTER SITE ENGINEER GIVES INSPECTION CLEARANCE FOR REBAR LAID IN COMPLIANCE TO DESIGN DRAWING.
 - THE CONCRETE SURFACE BELOW GROUND SHALL BE PROTECTED WITH MINIMUM TWO COATS OF BITUMINOUS PAINT WITH COAL TAR AT LEAST OF 1.2kg/SQ. M PER COAT.
 - NET SAFE BEARING CAPACITY CONSIDERED AT FOUNDING LEVEL IS 15T/SQ M. AT THE DEPTH OF 1.0 METER BELOW FGL BASED ON GEOTECHNICAL INVESTIGATION REPORT CARRIED OUT BY M/S SIMCON TECHNOLOGY PVT LTD, DOCUMENT NO. STPL/SRCH/2024-25/250107-72/50, R4-4.
 - IN CASE OF OVER EXCAVATION BELOW THE FOUNDING LEVEL, THE PORTION BELOW THE FOOTING SHALL BE FILLED UP WITH PLUM CONCRETE (1:5:10).
 - THE REINFORCED CONCRETE SHALL BE OF GRADE M30 AND SHOULD CONFORM TO IS:456-2000. THE CEMENT SHALL BE OPC-53 GRADE.
 - ALL REINFORCEMENT SHALL BE HIGH STRENGTH CORROSION RESISTANT COATED DEFORMED BAR OF GRADE Fe-500D CONFORMING TO IS:1786.
 - FOUNDATION BOTTOM SHALL BE WELL COMPACTED WITH 10 TON VIBRO ROLLER WITH MINIMUM 10 PASSES.
 - IT MUST BE ENSURED THAT NO LOCALIZED LOOSE SPOTS, CONTAMINATED, DISTURBED SOIL OR UNSUITABLE FILL MATERIALS EXIST UNDERNEATH THE FOUNDATION DURING THE CONSTRUCTION STAGE.
 - CARE SHOULD BE TAKEN DURING EXCAVATION AND CONSTRUCTION OF FOUNDATION TO PREVENT DISTURBANCE OF THE BEARING SOIL AT THE LEVEL OF THE FOUNDATION.
 - THE BASE OF ALL FOUNDATION EXCAVATIONS SHOULD BE CLEANED OF WATER AND LOOSE OR SATURATED SOIL PRIOR TO PLACING CONCRETE. CONCRETE SHOULD BE PLACED AS SOON AS POSSIBLE AFTER EXCAVATING.
 - TIES SHALL BE ADJUSTED LOCALLY TO AVOID CLASH WITH ANCHOR BOLTS.
 - THE GROUT SHALL BE READY MIX NON-SHRINK FLOWABLE CEMENTITIOUS GROUT WITH CRUSHING STRENGTH OF 40 N/SQ. MM.

LEGENDS:		T.O.B - TOP OF BEAM
B.O.F - BOTTOM OF FOUNDATION	C.D. - CHART DATUM	
T.O.P - TOP OF	- TOP REINFORCEMENT	
T.O.P - TOP OF CONCRETE	- TOP REINFORCEMENT	
T.O.P - TOP OF PAVEMENT	- TOP REINFORCEMENT	
CL - CENTER LINE	- BOTTOM REINFORCEMENT	

TOP OF PAVEMENT SHALL BE CD(+)-8.00M
(AS PER INFORMATION RECEIVED FROM CUSTOMER).

REFERENCE DRAWINGS:		DRAWING TITLE
DRAWING NO.	LTEG0006-C-D-0002	GENERAL NOTES

HOLD LIST:

00	18-04-2025	ISSUED FOR CONSTRUCTION	MRC	MA	IB
REV.	DATE	DESCRIPTION	PPD	CHD	APPD

PROJECT: 1MW GH2 PLANT - DPA, KANDLA

OWNER: DEENDAYAL PORT AUTHORITY, KANDLA

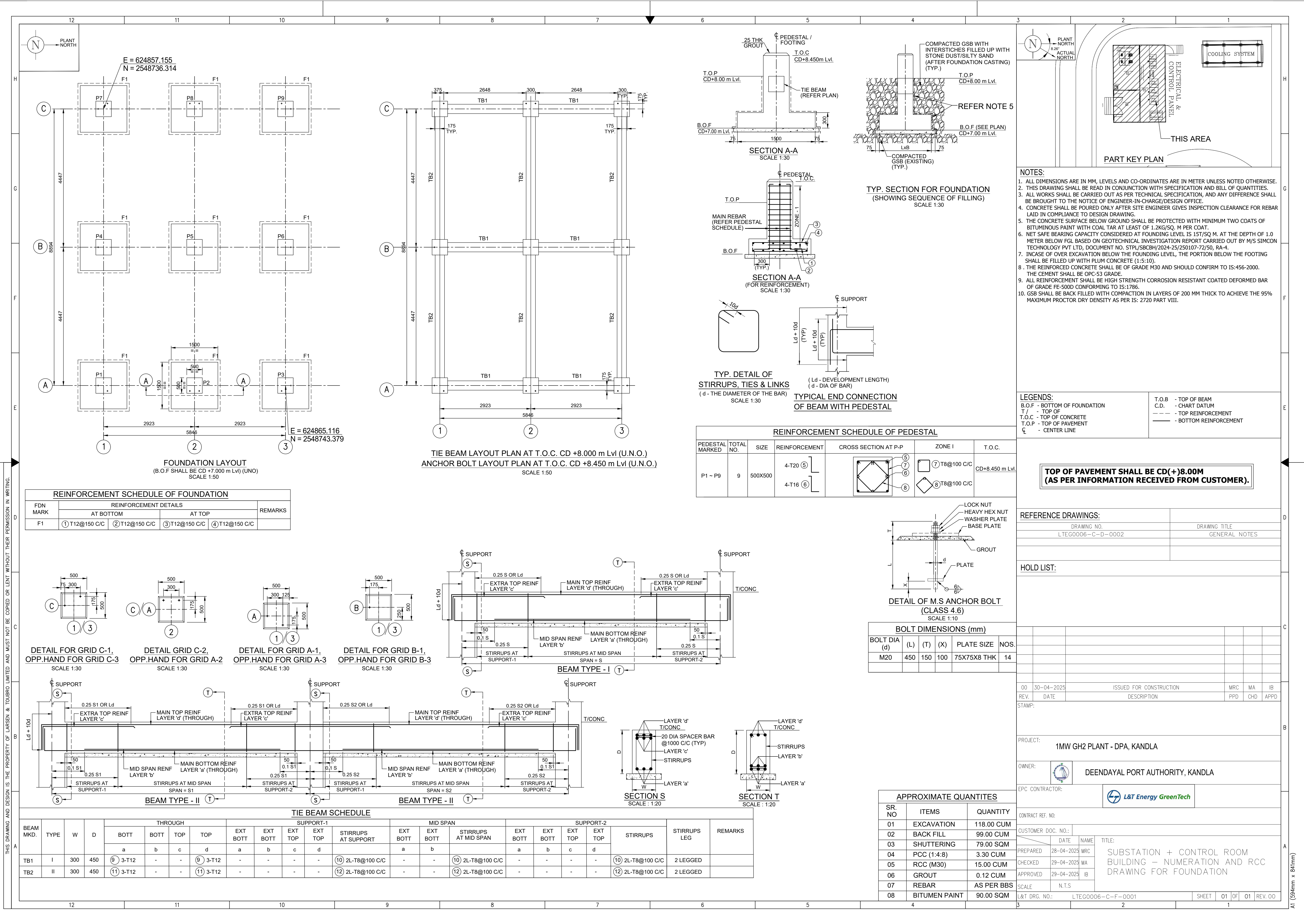
EPC CONTRACTOR: L&T Energy GreenTech

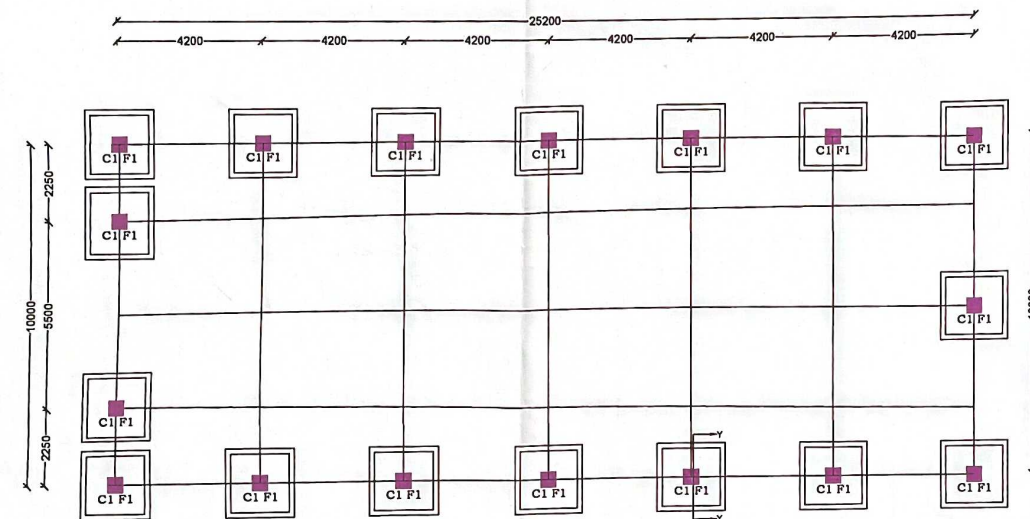
CONTRACT REF. NO:

CUSTOMER DOC. NO.:		DATE	NAME	TITLE:
PREPARED	14-04-2025	MRC		PIPERACK - NUMERATION AND RCC DRAWING FOR FOUNDATION
CHECKED	17-04-2025	MA		
APPROVED	18-04-2025	IB		

L&T DRG. NO.: LTEG0006-C-F-0008

SHEET 01 OF 01 REV.00





#20 MM DIAMETER BOLTS WITH 2 NUTS

#BOLT THREADS 100 MM

2 NOS NUTS WITH WASHER

150 HOOK

750

100 THREADS

200

500 MM THICK CC (M 40), (500X500X400)MM BASE PLATE AND BOLTS TO BE EMBEDDED IN CC.

STEEL COLUMN (200X200X5)

STIFFER PLATE 12 MM

BASE PLATE 12 MM THK. 500 X 500 MM

PEDESTAL SIZE 500 X 500 (M 40)

PEDESTAL STEEL 12NOS. 16mm ϕ 10 mm @ 125 C/C

G.L.

FOUNDATION BOLT 8 NOS 20MM DIA (750 MM LONG AND 150 MM HOOK)

GROUND BEAM (300X450/600)

12 MM DIA BARS @ 150 MM C/C TOP AND BOTTOM BOTHWAYS

FOOTING (M40)

P.C.C. (100mm THK.)

SAND FILLING (100mm blk)

AS PER SITE OR

150

200

400

200

600

150

450

100

500

1700

2000

SECTION Y-Y

NAME OF WORK:
PROPOSED FOUNDATION DRAWING
OF TEMPORARY STORAGE SHED AT
BACK UP AREA OF OIL JETTY NO.7
FOR 1 MW GH2 PLANT EQUIPMENT AT
DEENDAYAL PORT AT KANDLA.

PROJECT:

1 MW GH2 PLANT - DPA, KANDLA.

OWNER

DEENDAYAL PORT AUTHORITY,
KANDLA.

EPC CONTRACTOR

L&T Energy GreenTech
CONTRACTOR

M/S PATEL CONSTRUCTION CO. GANDHIDHAM

CONSULTANT
RITESH B. MALSATTAR
Registered Structural Designer
GDA LIC NO.-GDA-SD-127
P-74, Mohanrai Wadi,
Vidhi Road, Anjar (Kutch)
370 110, Gujarat

SCALE 1:100

MES/ST/KA/05/01

DATE: 23/03/2025

REV: 01