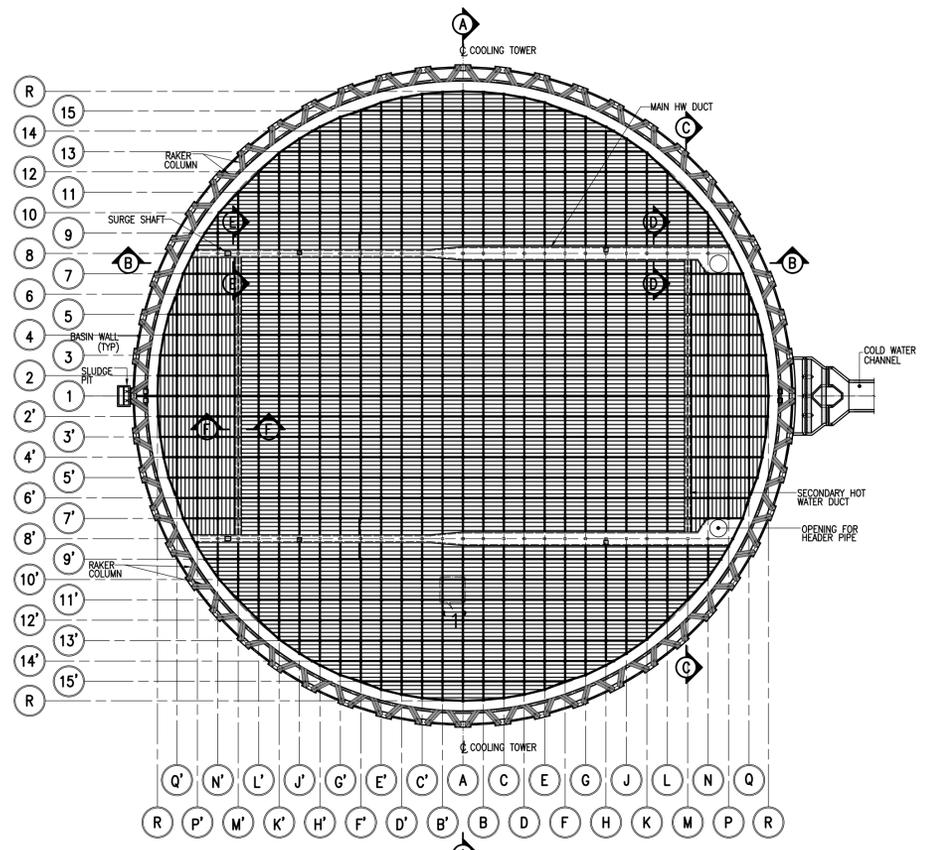
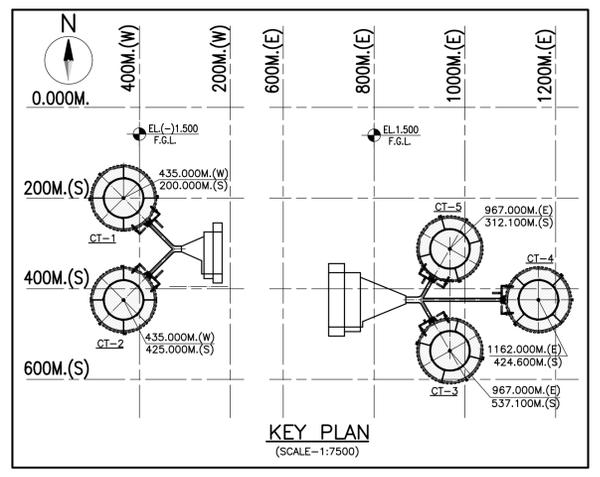


PLAN AT EL.(-)0.100M FOR CT-1 & CT-2
(SCALE-1:750)



PLAN AT EL.15.100M FOR CT-1 & CT-2
(SCALE-1:750)

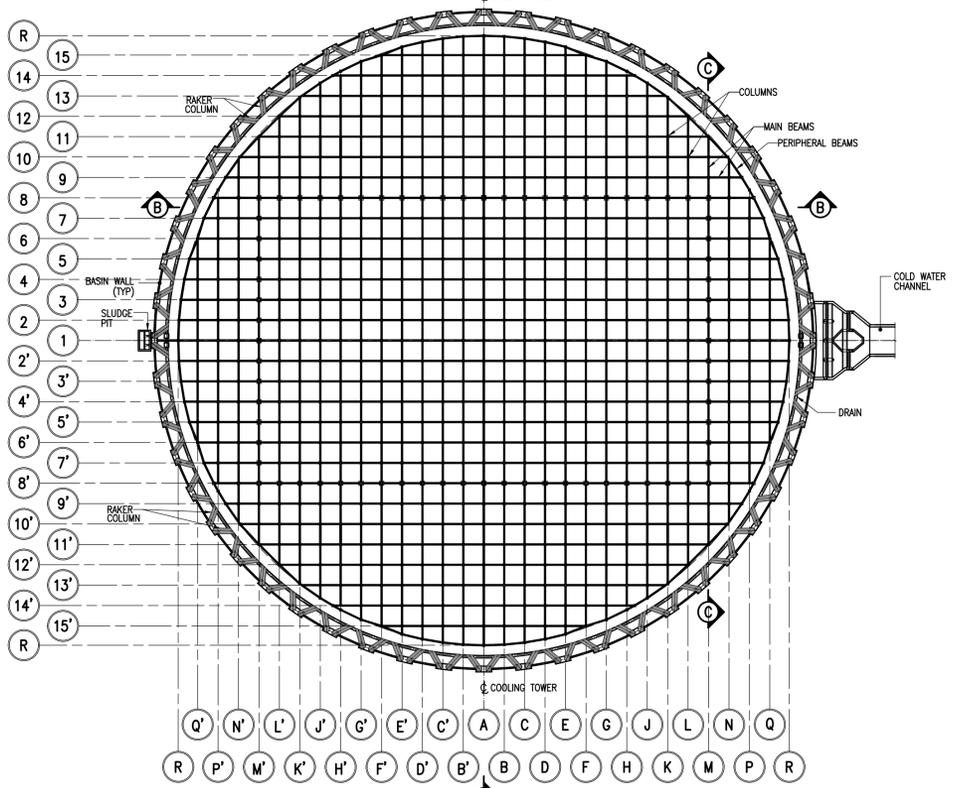


KEY PLAN
(SCALE-1:7500)

- NOTES:**
- ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METER UNLESS OTHERWISE SPECIFIED.
 - DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
 - THIS SHEET MUST BE READ IN CONJUNCTION WITH SHEET NO. 2 TO 4 OF THIS DRAWING.
 - RL-81.500 CORRESPONDS TO EL.(-)0.000 OF POWER HOUSE BUILDING
FGL = EL.(-)1.500 CORRESPONDS TO RL.80.000. IN THE COOLING TOWER AREA FOR CT#1 & CT#2
FGL = EL.(+)1.500 CORRESPONDS TO RL.83.000. IN THE COOLING TOWER AREA FOR CT#3, CT#4 & CT#5

- REFERENCE DRAWING:** (LATEST REVISION)
- PE-VI-417-165-N001 --- GENERAL ARRANGEMENT OF NATURAL DRAFT COOLING TOWER
 - PE-VI-417-165-N028 --- CONCRETE DIMENSIONS & REINFORCEMENT DETAILS OF MAIN HOT WATER DUCT
 - PE-VI-417-165-N028A --- CONCRETE DIMENSIONS & REINFORCEMENT DETAILS OF SECONDARY HOT WATER DUCT
 - PE-VI-417-165-N038 --- SHELL PROFILE AND THICKNESS
 - PE-VI-417-165-N040 --- GENERAL ARRANGEMENT OF FILL & FILL SUPPORTING SYSTEM
 - PE-VI-417-165-N044 --- CONCRETE DIMENSIONS DETAILS OF BASIN FLOOR
 - PE-VI-417-165-N046 --- CONCRETE DIMENSIONS & REINFORCEMENT DETAILS OF GRILLAGE COLUMNS
 - PE-VI-417-165-N047 --- CONCRETE DIMENSIONS & REINFORCEMENT DETAILS OF LOWER TIER BEAMS
 - PE-VI-417-165-N049 --- CONCRETE DIMENSIONS & REINFORCEMENT DETAILS OF PRECAST BEAM

- LEGENDS:**
- F.G.L. - FINISH GROUND LEVEL
 - B.O.P. - BOTTOM OF PIPE
 - T.O.B. - TOP OF BEAM
 - TYP. - TYPICAL
 - HW - HOT WATER
 - LV. - LEVEL
 - EL. - ELEVATION LEVEL
 - R - RADIUS
 - RL - REDUCE LEVEL
 - THICKENED PORTION OF BASIN RAFT
 - ↗ - UPWARD INCLINATION OF BRACING



PLAN AT EL.9.600M FOR CT-1 & CT-2
(SCALE-1:750)

BHARAT HEAVY ELECTRICALS LTD
PROJECT ENGINEERING MANAGEMENT
(MECHANICAL SYSTEM ENGG.)#

This approval status shall be interpreted as laid down in the contract and it shall not relieve the contractor from the contractual obligation.

THIS DOC IS REVIEWED AND SUBMITTED FOR CUSTOMER APPROVAL

Name: NISHANT SHEKHAR

Digitally signed by
NISHANT SHEKHAR
DN: cn=NISHANT SHEKHAR, o=BHEL, ou=PS-PEM, email=nishantshekh@bhel.in, c=IN
Date: 2020.02.27
09:07:38 +05'30'

TATA CONSULTING ENGINEERS LIMITED
VENDOR DOCUMENT REVIEW STATUS

- A Drawing/Document approved as submitted. Proceed with fabrication/construction.
- B Drawing/Document approved subjected to comments noted. Proceed with fabrication/construction considering our comments.
- C Our comments are noted on this marked up print.
- D Our comments are noted in memo attached to the forwarding transmittal letter No. TCE.11005A-CV-DT-322. Dated: 19-03-2020
- E Correct original of this drawing/document to reflect our comments and resubmit for approval.
- F Correct original of this drawing/document to reflect our comments and resubmit for records.
- G Drawings/Documents of this category are for information only and not for approval. Information furnished on the drawing/document is noted.
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- I Drawing/Document returned without review.
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Reviewed by: *[Signature]* Date: 19-03-2020

1) BHEL may please note that all applicable input drawings are currently in the process of review/ yet to be submitted /not submitted with unit currently developing this drawing and with other units of BHEL. In view of all this for any interference of utilities (cables, piping, ducts, Equipment placing, etc.). Orientation & coordinate for THIS area shall be checked by BHEL currently developing this drawing and with other units of BHEL. If there is any interference at later date which may lead to major revision in drawings & design; the same shall be ensured and incorporated in relevant drawings at BHEL's end. M/s BHEL shall stand guarantee for the final civil drawings based on input data considered. Any short comings/deviations from these resulting in cost and time over runs shall be borne solely by M/s BHEL. The Owner TSGENCO and consultant M/s TCE would not be party to such eventuality. Any eventual changes in sizing/civil works shall be taken up by M/s BHEL without affecting the project schedule. The risk will be solely on M/s BHEL.

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BHEL - PROJECT ENGINEERING MANAGEMENT

THIS DRAWING IS RELEASED FOR CONSTRUCTION

STAMP ALL PREVIOUS REVISIONS AS SUPERSEDED

ISSUED BY: SACHIN STAIN

SIGNATURE: *[Signature]*

DATE: 09/11/2020

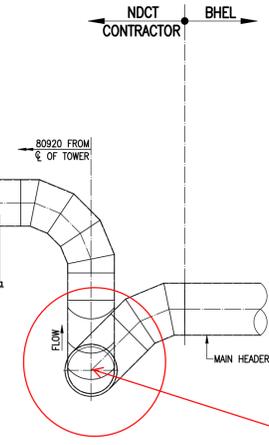
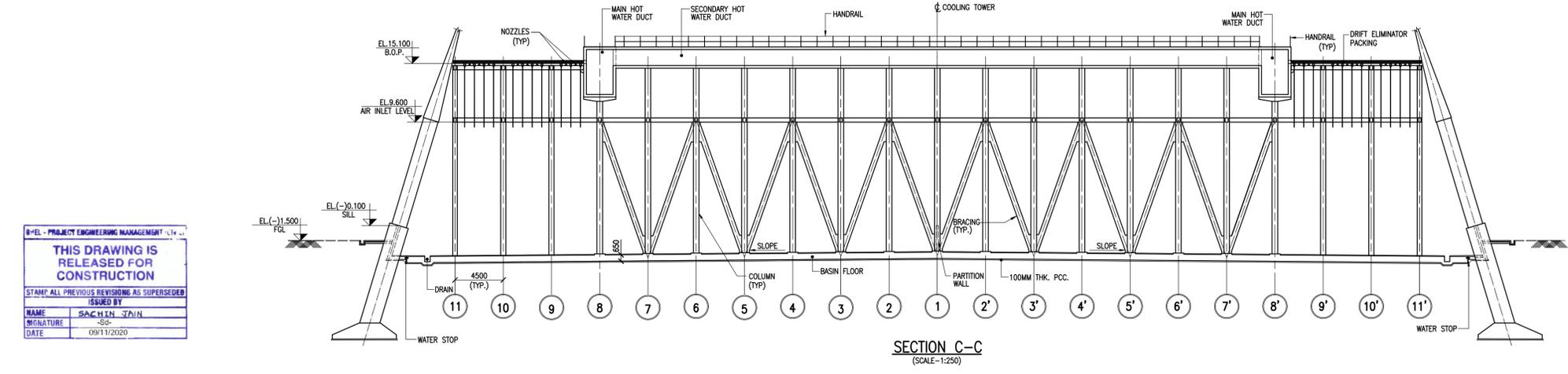
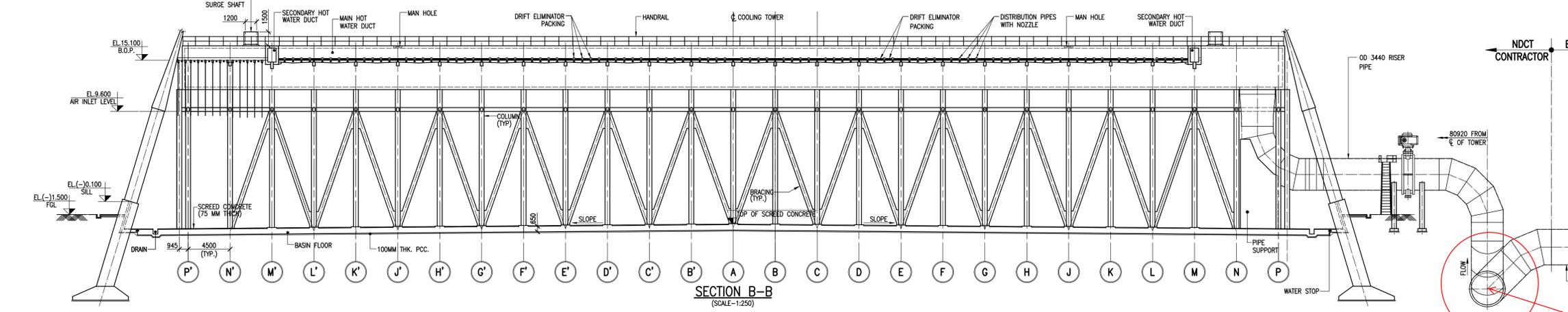
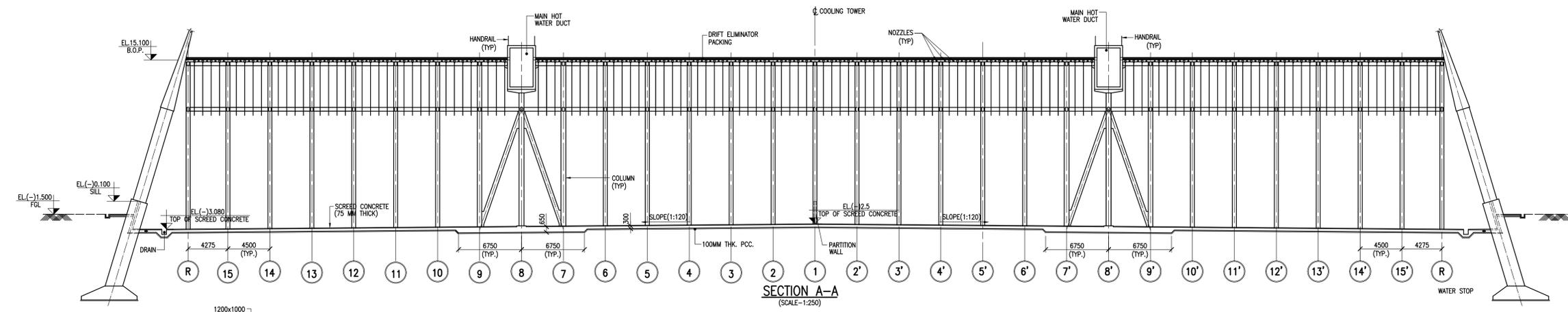
FILE NAME: X:\76\YADADRI\NCT\WORKING\760-E-DD-003.R1.dwg

<table border="1"> <tr> <td>REV</td> <td>NO.</td> <td>DATE</td> <td>DESCRIPTION</td> <td>DRAWN</td> </tr> <tr> <td>R1</td> <td>25/01/20</td> <td></td> <td>REVISED AS PER TCE COMMENTS DATED 23 JAN 2020</td> <td>DDS</td> </tr> <tr> <td>RD</td> <td>30/08/18</td> <td></td> <td>FOR APPROVAL</td> <td>SSB</td> </tr> </table>	REV	NO.	DATE	DESCRIPTION	DRAWN	R1	25/01/20		REVISED AS PER TCE COMMENTS DATED 23 JAN 2020	DDS	RD	30/08/18		FOR APPROVAL	SSB	<table border="1"> <tr> <td>CUSTOMER</td> <td>TELANGANA STATE POWER GENERATION CORPORATION LTD TELANGANA INDIA</td> </tr> <tr> <td>CONTRACTOR</td> <td>BHARAT HEAVY ELECTRICALS LIMITED</td> </tr> <tr> <td>CONSULTANT</td> <td>TATA CONSULTING ENGINEERS LIMITED BANGALORE INDIA</td> </tr> </table>	CUSTOMER	TELANGANA STATE POWER GENERATION CORPORATION LTD TELANGANA INDIA	CONTRACTOR	BHARAT HEAVY ELECTRICALS LIMITED	CONSULTANT	TATA CONSULTING ENGINEERS LIMITED BANGALORE INDIA	<table border="1"> <tr> <td>EPC CONTRACTOR</td> <td>BHARAT HEAVY ELECTRICALS LIMITED</td> </tr> <tr> <td>PROJECT</td> <td>5x800 WM YADADRI THERMAL POWER STATION</td> </tr> </table>	EPC CONTRACTOR	BHARAT HEAVY ELECTRICALS LIMITED	PROJECT	5x800 WM YADADRI THERMAL POWER STATION	<table border="1"> <tr> <td>DESIGN BY:</td> <td>DBL</td> <td>TITLE</td> <td>GENERAL ARRANGEMENT OF FILL SUPPORTING STRUCTURE</td> </tr> <tr> <td>CHECKED BY:</td> <td>JHB</td> <td>STCPL DRG. NO.</td> <td>760-E-DD-003</td> </tr> <tr> <td>APPROVED BY:</td> <td>UKR</td> <td>BHEL DRG. NO.</td> <td>PE-VI-417-165-N026 (SHEET 1 OF 4)</td> </tr> <tr> <td>DATE:</td> <td>25/01/2020</td> <td>REV. NO.</td> <td>R1</td> </tr> <tr> <td>SCALE:</td> <td>AS SHOWN</td> <td colspan="2">THIS DRAWING IS THE PROPERTY OF SPECTRUM Techno Consultants Pvt Ltd & IS SUBJECT TO THEIR RECALL, AND MUST NOT BE REPRODUCED OR COPIED WITHOUT THEIR WRITTEN PERMISSION.</td> </tr> </table>	DESIGN BY:	DBL	TITLE	GENERAL ARRANGEMENT OF FILL SUPPORTING STRUCTURE	CHECKED BY:	JHB	STCPL DRG. NO.	760-E-DD-003	APPROVED BY:	UKR	BHEL DRG. NO.	PE-VI-417-165-N026 (SHEET 1 OF 4)	DATE:	25/01/2020	REV. NO.	R1	SCALE:	AS SHOWN	THIS DRAWING IS THE PROPERTY OF SPECTRUM Techno Consultants Pvt Ltd & IS SUBJECT TO THEIR RECALL, AND MUST NOT BE REPRODUCED OR COPIED WITHOUT THEIR WRITTEN PERMISSION.	
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TATA CONSULTING ENGINEERS LIMITED
VENDOR DOCUMENT REVIEW STATUS

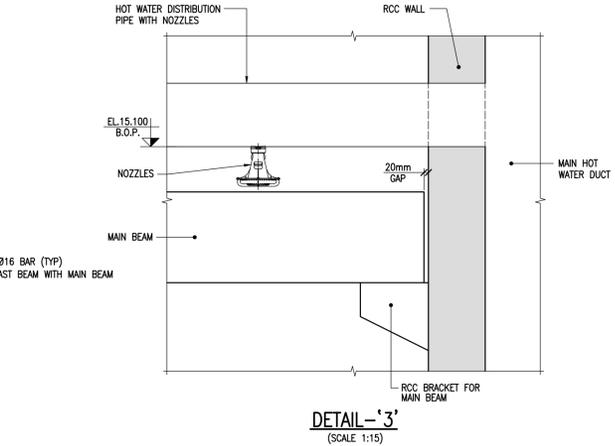
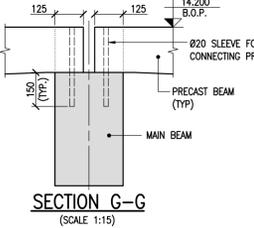
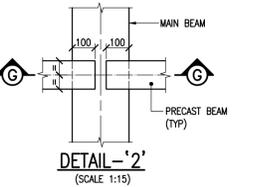
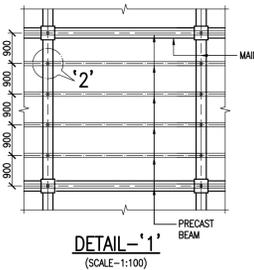
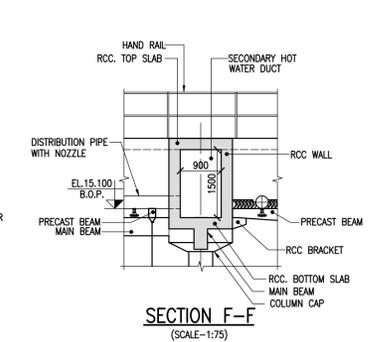
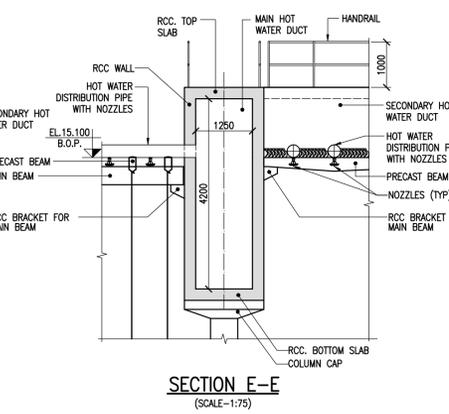
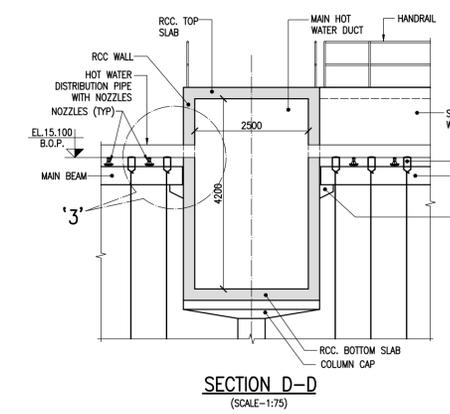
- A Drawing/Document approved as submitted. Proceed with fabrication/construction.
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 - C Our comments are noted on this marked up print.
 - D Our comments are noted in memo attached to the forwarding transmittal letter No. TCE.11005A.CV.VDT-322. Dated 19-03-2020.
 - E Correct original of this drawing/document to reflect our comments and resubmit for approval.
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- Reviewed by.....Date.....19-03-2020



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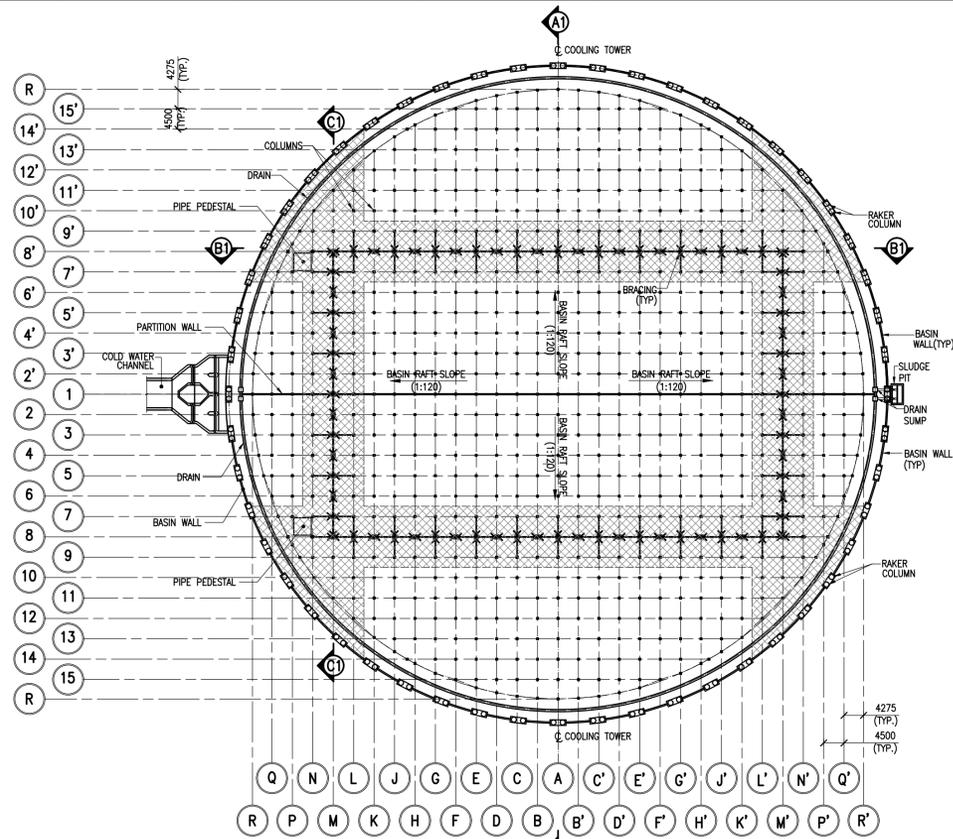
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BHEL - PROJECT ENGINEERING MANAGEMENT
THIS DRAWING IS RELEASED FOR CONSTRUCTION
 STAMP ALL PREVIOUS REVISIONS AS SUPERSEDED
 ISSUED BY
 NAME: SACHIN JAIN
 SIGNATURE: -Sa-
 DATE: 09/11/2020

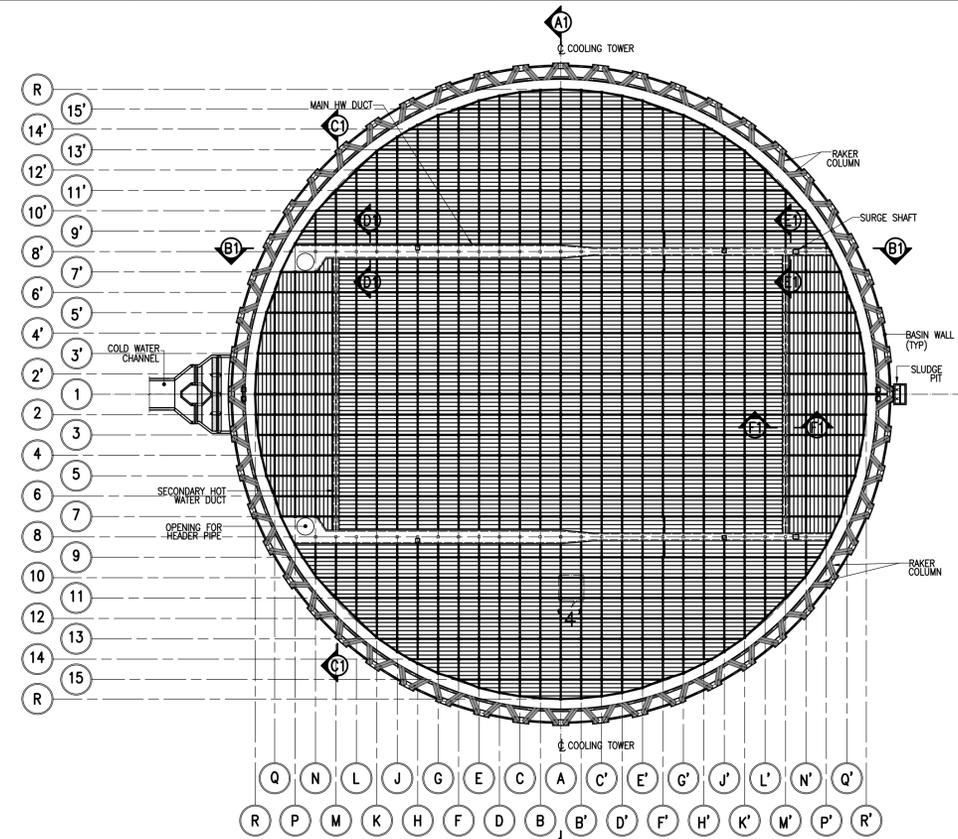


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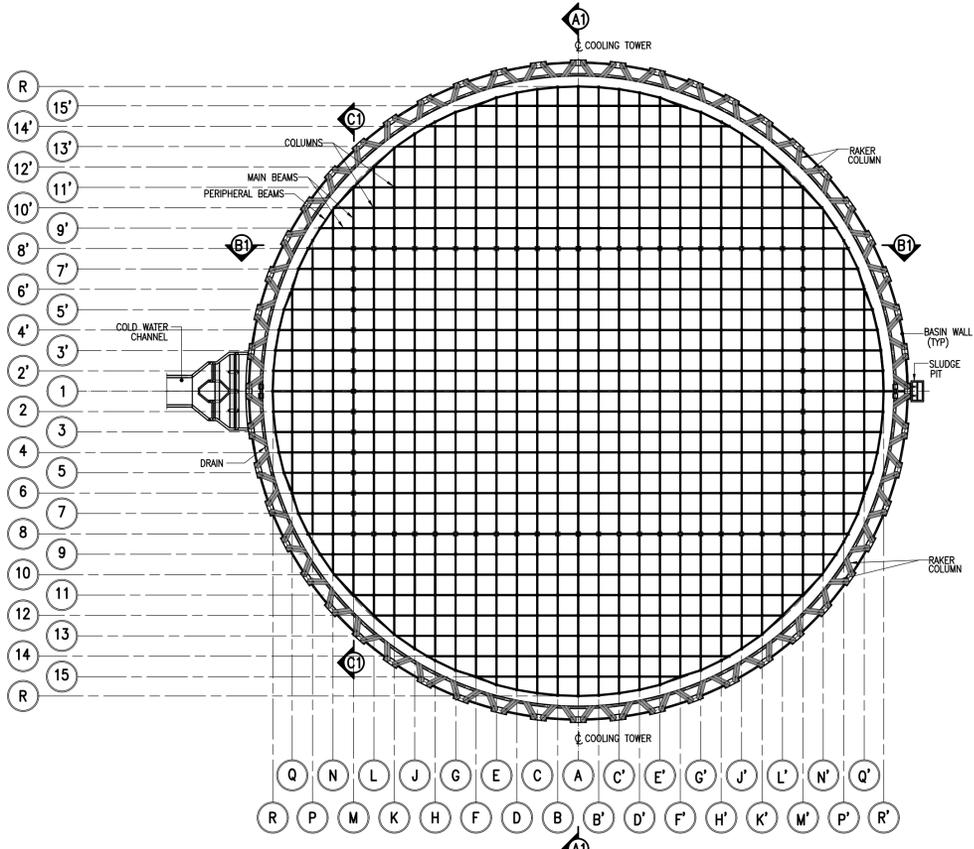
CUSTOMER: TELANGANA STATE POWER GENERATION CORPORATION LTD TELANGANA INDIA		EPC CONTRACTOR: BHEL BHARAT HEAVY ELECTRICALS LIMITED		CONSULTANT: TATA CONSULTING ENGINEERS LIMITED BANGALORE INDIA		PROJECT: 5x800 WM YADADRI THERMAL POWER STATION		DESIGN BY: DBL CHECKED BY: JHB APPROVED BY: UKR DATE: 25/01/2020 SCALE: AS SHOWN		TITLE: GENERAL ARRANGEMENT OF FILL SUPPORTING STRUCTURE STCPL DRG. NO.: 760-E-DD-003 BHEL DRG. NO.: PE-V1-417-165-N026 (SHEET 2 OF 4) THIS DRAWING IS THE PROPERTY OF SPECTRUM Techno Consultants Pvt Ltd IT IS SUBJECT TO THEIR RECALL, AND MUST NOT BE REPRODUCED OR COPIED WITHOUT THEIR WRITTEN PERMISSION.	
REV. NO.	DATE	DESCRIPTION	DRAWN	SSB	DD	DD	DD	DD	DD	DD	DD
R1	25/01/20	REVISED AS PER TCE COMMENT DATED 23 JAN 2020	DD	SSB	DD	DD	DD	DD	DD	DD	DD
RD	30/08/18	FOR APPROVAL	SSB	DD	DD	DD	DD	DD	DD	DD	DD



PLAN AT EL.2.900M FOR CT-3, CT-4, & CT-5
(SCALE-1:750)



PLAN AT EL.18.100M FOR CT-3, CT-4, & CT-5
(SCALE-1:750)



PLAN AT EL.12.600M FOR CT-3, CT-4, & CT-5
(SCALE-1:750)

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TATA CONSULTING ENGINEERS LIMITED
VENDOR DOCUMENT REVIEW STATUS

- A Drawing/Document approved as submitted. Proceed with fabrication/construction.
- B Drawing/Document approved subjected to comments noted. Proceed with fabrication/construction considering our comments.
- C Our comments are noted on this marked up print.
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Reviewed by.....Date: 19-03-2020

BHEL - PROJECT ENGINEERING MANAGEMENT

THIS DRAWING IS RELEASED FOR CONSTRUCTION

STAMP ALL PREVIOUS REVISIONS AS SUPERSEDED

ISSUED BY

NAME: SACHIN JAIN

SIGNATURE: [Signature]

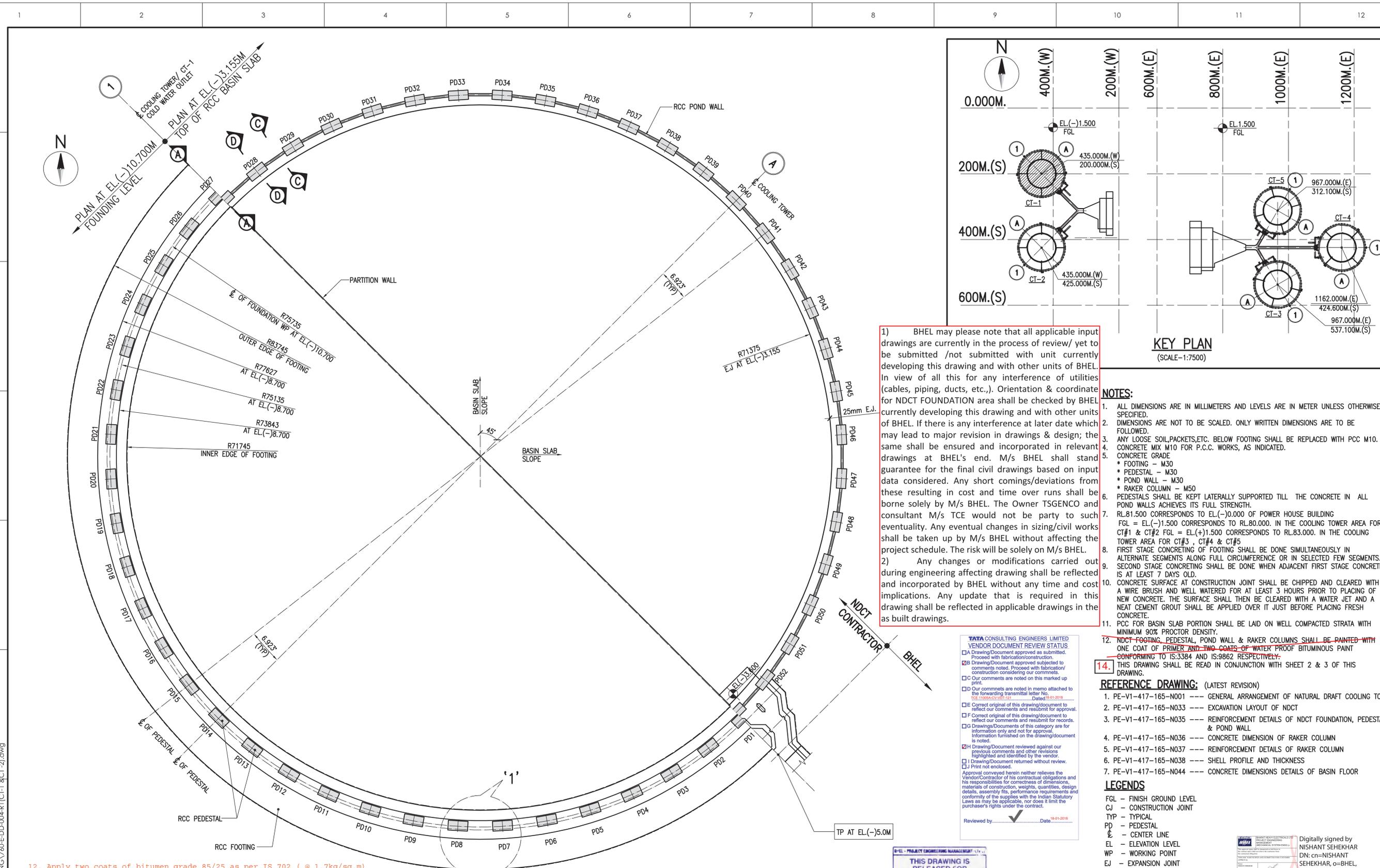
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FILE NAME: X:\760\YADADRI\NDC\1\WORKING\760E-DD-003.R1.dwg

R1 25/01/20 R0 30/08/18 REV NO. DATE DESCRIPTION DRAWN	REVISED AS PER TCE COMMENTS DATED 23 JAN 2020 FOR APPROVAL DATED	DDS SSB DRAWN	CUSTOMER TELANGANA STATE POWER GENERATION CORPORATION LTD TELANGANA INDIA	EPC CONTRACTOR BH&E BHARAT HEAVY ELECTRICALS LIMITED	CONSULTANT TATA TATA CONSULTING ENGINEERS LIMITED BANGALORE INDIA	PROJECT 5x800 WM YADADRI THERMAL POWER STATION	DESIGN BY: DBL CHECKED BY: JHB APPROVED BY: UKR DATE: 25/01/2020 SCALE: AS SHOWN	TITLE GENERAL ARRANGEMENT OF FILL SUPPORTING STRUCTURE STCPL DRG. NO. 760-E-DD-003 BHEL DRG. NO. PE-V1-417-165-N026 (SHEET 3 OF 4) THIS DRAWING IS THE PROPERTY OF SPECTRUM Techno Consultants Pvt Ltd IS SUBJECT TO THEIR RECALL, AND MUST NOT BE REPRODUCED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.	REV. NO. R1
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TATA CONSULTING ENGINEERS LIMITED
VENDOR DOCUMENT REVIEW STATUS

A Drawing/Document approved as submitted. Proceed with fabrication/construction.

B Drawing/Document approved subjected to comments noted. Proceed with fabrication/construction considering our comments.

C Our comments are noted on this marked up PDF.

D Our comments are noted in memo attached to the forwarding transmittal letter No. TCE.11005A-CV-951-D1 Dated: 18.01.2019

E Correct original of this drawing/document to reflect our comments and resubmit for approval.

F Correct original of this drawing/document to reflect our comments and resubmit for records.

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Reviewed by: _____ Date: 18.01.2019

THIS DRAWING IS RELEASED FOR CONSTRUCTION

STAMP ALL PREVIOUS REVISIONS AS SUPERSEDED

ISSUED BY: _____

NAME: SACHIN JAIN

SIGNATURE: _____

DATE: 06.01.2020

12. Apply two coats of bitumen grade 85/25 as per IS 702 (@ 1.7kg/sq.m) with 1% antistripping compound conforming to IS 6241 in foundation, wall, column etc. on concrete surfaces exposed to soil / ash below FGL.

13. Apply one coat of primer and two coats of waterproof bituminous paint of approved make as per IS: 3384 & IS: 9862 on all surfaces in contact with water/moisture above FGL.

PLAN FOR CT-1
(SCALE-1:1500)

- NOTES:**
- ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METER UNLESS OTHERWISE SPECIFIED.
 - DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
 - ANY LOOSE SOIL,PACKETS,ETC. BELOW FOOTING SHALL BE REPLACED WITH PCC M10.
 - CONCRETE MIX M10 FOR P.C.C. WORKS, AS INDICATED.
 - CONCRETE GRADE
 - * FOOTING - M30
 - * PEDESTAL - M30
 - * POND WALL - M30
 - * RAKER COLUMN - M50
 - PEDESTALS SHALL BE KEPT LATERALLY SUPPORTED TILL THE CONCRETE IN ALL POND WALLS ACHIEVES ITS FULL STRENGTH.
 - RL.81.500 CORRESPONDS TO EL.(-)0.000 IN THE COOLING TOWER AREA FOR CT#1 & CT#2 FGL = EL.(+)1.500 CORRESPONDS TO RL.83.000. IN THE COOLING TOWER AREA FOR CT#3, CT#4 & CT#5
 - FIRST STAGE CONCRETING OF FOOTING SHALL BE DONE SIMULTANEOUSLY IN ALTERNATE SEGMENTS ALONG FULL CIRCUMFERENCE OR IN SELECTED FEW SEGMENTS.
 - SECOND STAGE CONCRETING SHALL BE DONE WHEN ADJACENT FIRST STAGE CONCRETE IS AT LEAST 7 DAYS OLD.
 - CONCRETE SURFACE AT CONSTRUCTION JOINT SHALL BE CHIPPED AND CLEARED WITH A WIRE BRUSH AND WELL WATERED FOR AT LEAST 3 HOURS PRIOR TO PLACING OF NEW CONCRETE. THE SURFACE SHALL THEN BE CLEARED WITH A WATER JET AND A NEAT CEMENT GROUT SHALL BE APPLIED OVER IT JUST BEFORE PLACING FRESH CONCRETE.
 - PCC FOR BASIN SLAB PORTION SHALL BE LAID ON WELL COMPACTED STRATA WITH MINIMUM 90% PROCTOR DENSITY.
 - NDCT-FOOTING, PEDESTAL, POND WALL & RAKER COLUMNS SHALL BE PAINTED WITH ONE COAT OF PRIMER AND TWO COATS OF WATER PROOF BITUMINOUS PAINT CONFORMING TO IS:3384 AND IS:9862 RESPECTIVELY.
 - THIS DRAWING SHALL BE READ IN CONJUNCTION WITH SHEET 2 & 3 OF THIS DRAWING.

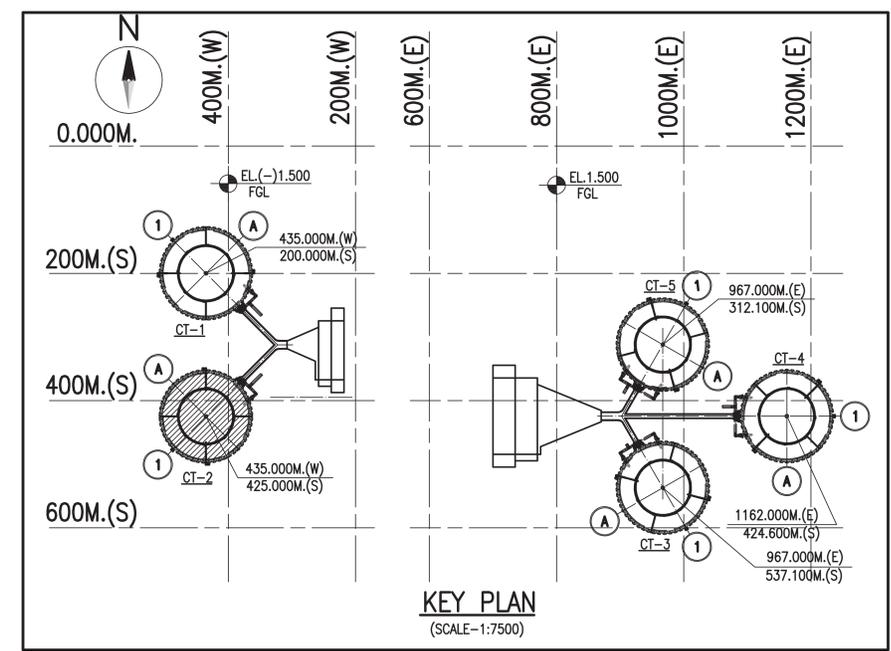
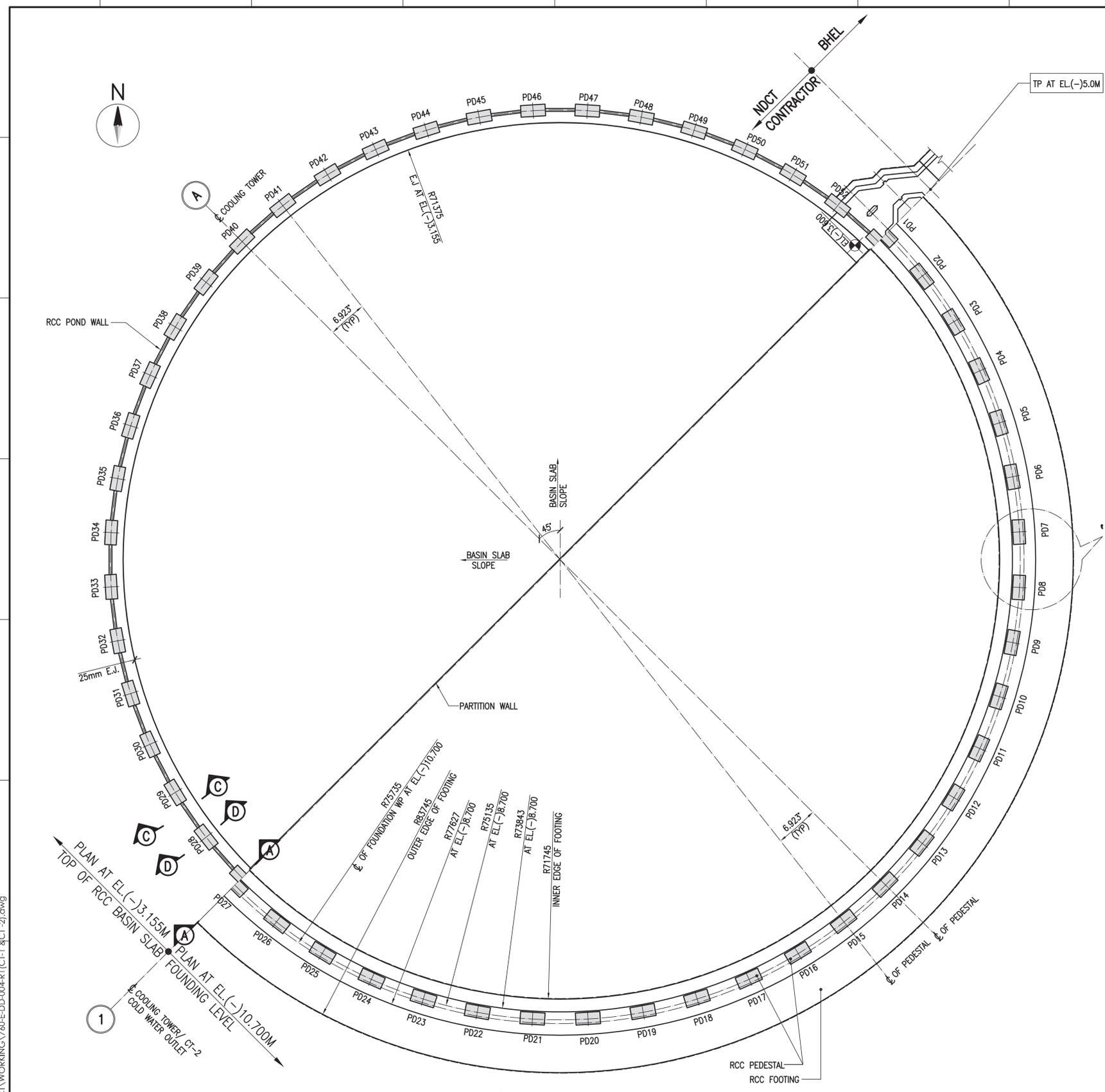
- REFERENCE DRAWING: (LATEST REVISION)**
- PE-V1-417-165-N001 --- GENERAL ARRANGEMENT OF NATURAL DRAFT COOLING TOWER
 - PE-V1-417-165-N033 --- EXCAVATION LAYOUT OF NDCT
 - PE-V1-417-165-N035 --- REINFORCEMENT DETAILS OF NDCT FOUNDATION, PEDESTAL & POND WALL
 - PE-V1-417-165-N036 --- CONCRETE DIMENSION OF RAKER COLUMN
 - PE-V1-417-165-N037 --- REINFORCEMENT DETAILS OF RAKER COLUMN
 - PE-V1-417-165-N038 --- SHELL PROFILE AND THICKNESS
 - PE-V1-417-165-N044 --- CONCRETE DIMENSIONS DETAILS OF BASIN FLOOR

- LEGENDS**
- FGL - FINISH GROUND LEVEL
 CJ - CONSTRUCTION JOINT
 TYP - TYPICAL
 PD - PEDESTAL
 EL - CENTER LINE
 E - ELEVATION LEVEL
 WP - WORKING POINT
 EJ - EXPANSION JOINT

Digitally signed by NISHANT SEHEKHAR
 DN: cn=NISHANT SEHEKHAR, o=BHEL, ou=PEM, email=nishantsekh@bhel.in, c=US
 Date: 2019.01.01 16:05:15 +05'30'

FILE NAME : X:\760-YADADRI\NDCT\WORKING\760-E-DD-004-R\CT-1 & CT-2\1.dwg

CUSTOMER TELANGANA STATE POWER GENERATION CORPORATION LTD TELANGANA INDIA		EPC CONTRACTOR BHARAT HEAVY ELECTRICALS LIMITED		NDCT CONSULTANT SPECTRUM Techno Consultants Pvt Ltd 401, Raikar Bhavan, Plot No. 9, Sector-17, Vashi, Navi Mumbai 400 705 India. Email : info@spectrumworld.net		DRAWN BY : SPP CHECKED BY : JHB APPROVED BY : UKR DATE : 26/12/2018 SCALE : AS SHOWN		TITLE CONCRETE DIMENSION OF NDCT FOUNDATION, PEDESTAL & POND WALL (STAGE#1) STCPL DRG.NO. 760-E-DD-004 BHEL DRG.NO. PE-V1-417-165-N034 (SHEET 1 OF 7) THIS DRAWING IS THE PROPERTY OF SPECTRUM Techno Consultants Pvt Ltd IT IS SUBJECT TO THEIR RECALL AND MUST NOT BE LENT, COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.		REV.NO. R1	
CONSULTANT TATA CONSULTING ENGINEERS LIMITED BANGALORE INDIA		CUSTOMER TELANGANA STATE POWER GENERATION CORPORATION LTD TELANGANA INDIA		EPC CONTRACTOR BHARAT HEAVY ELECTRICALS LIMITED		NDCT CONSULTANT SPECTRUM Techno Consultants Pvt Ltd 401, Raikar Bhavan, Plot No. 9, Sector-17, Vashi, Navi Mumbai 400 705 India. Email : info@spectrumworld.net		DRAWN BY : SPP CHECKED BY : JHB APPROVED BY : UKR DATE : 26/12/2018 SCALE : AS SHOWN		REV.NO. R1	
REV. NO. R1 DATE 26/12/18 DESCRIPTION BASED ON CUSTOMER COMMENTS TRANSMITTAL NO: TCE.11005A-CV-VDT-071	DRAWN SPP	CONSULTANT SSB	CUSTOMER SPP	EPC CONTRACTOR SSB	NDCT CONSULTANT SPP	DRAWN BY : SPP CHECKED BY : JHB APPROVED BY : UKR DATE : 26/12/2018 SCALE : AS SHOWN	TITLE CONCRETE DIMENSION OF NDCT FOUNDATION, PEDESTAL & POND WALL (STAGE#1) STCPL DRG.NO. 760-E-DD-004 BHEL DRG.NO. PE-V1-417-165-N034 (SHEET 1 OF 7) THIS DRAWING IS THE PROPERTY OF SPECTRUM Techno Consultants Pvt Ltd IT IS SUBJECT TO THEIR RECALL AND MUST NOT BE LENT, COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.	REV.NO. R1	SHEET SIZE : A2 12		



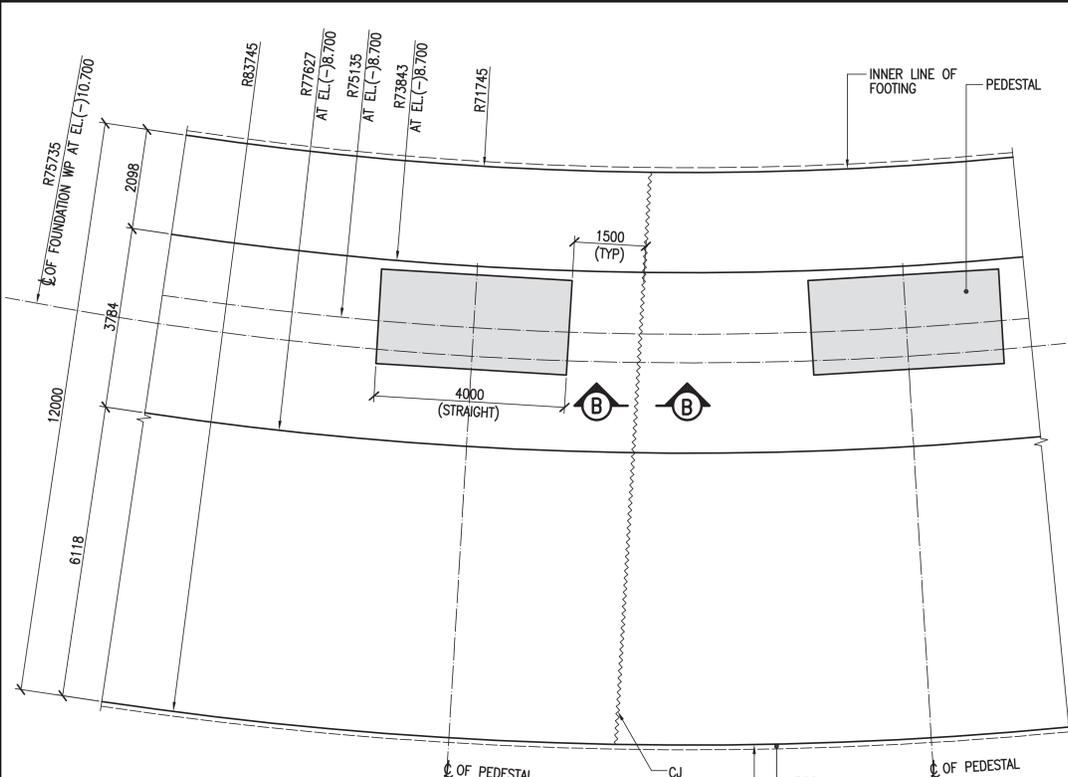
- NOTES:**
1. ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METER UNLESS OTHERWISE SPECIFIED.
 2. DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
 3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH SHEET 1 & 3 OF THIS DRAWING.

PLAN FOR CT-2
(SCALE=1:500)

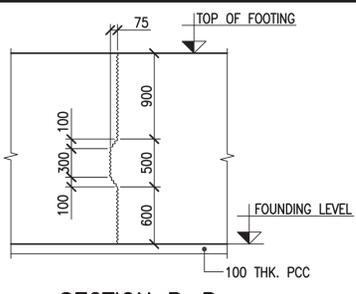
BHEL - PROJECT ENGINEERING MANAGEMENT
THIS DRAWING IS RELEASED FOR CONSTRUCTION
 STAMP ALL PREVIOUS REVISIONS AS SUPERSEDED
 ISSUED BY
 NAME: SACHIN JAIN
 SIGNATURE: -sd-
 DATE: 06.01.2020

FILE NAME : X:\760-YADADRI\NDCT\WORKING\760-E-DD-004-R1\CT-1 & CT-2.dwg

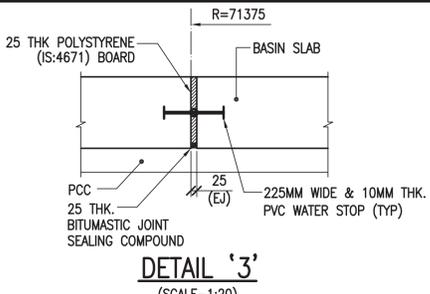
CUSTOMER TELANGANA STATE POWER GENERATION CORPORATION LTD TELANGANA INDIA		EPC CONTRACTOR BHARAT HEAVY ELECTRICALS LIMITED		NDCT CONSULTANT SPECTRUM Techno Consultants Pvt Ltd 401, Raikar Bhavan, Plot No. 9, Sector-17, Vashi, Navi Mumbai 400 705 India. Email : info@spectrumworld.net		DRAWN BY : SPP CHECKED BY : JHB APPROVED BY : UKR DATE : 26/12/2018 SCALE : AS SHOWN	TITLE CONCRETE DIMENSION OF NDCT FOUNDATION, PEDESTAL & POND WALL (STAGE#1) STCPL DRG.NO. 760-E-DD-004 BHEL DRG.NO. PE-V1-417-165-N034 (SHEET 2 OF 7) <small>THIS DRAWING IS THE PROPERTY OF SPECTRUM Techno Consultants Pvt Ltd IT IS SUBJECT TO THEIR RECALL, AND MUST NOT BE LENT, COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.</small>	REV.NO. R1
R1 26/12/18 R0 11/09/18 NO. DATE	DESCRIPTION BASED ON CUSTOMER COMMENTS TRANSMITTAL NO: TCE.11005A-CV-VDT-071 FOR APPROVAL	CONSULTANT TATA CONSULTING ENGINEERS LIMITED BANGALORE INDIA	SPP SSB DRAWN	5x800 MW YADADRI THERMAL POWER STATION				SHEET SIZE : A2 12



DETAIL '1'
(SCALE-1:100)



SECTION B-B
(SCALE-1:50)

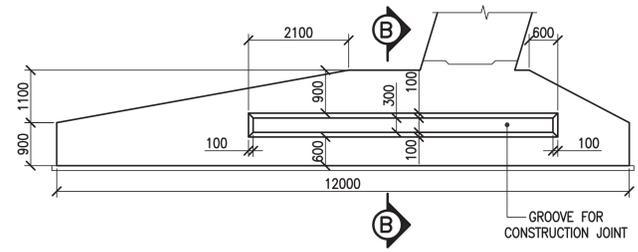


DETAIL '3'
(SCALE-1:20)

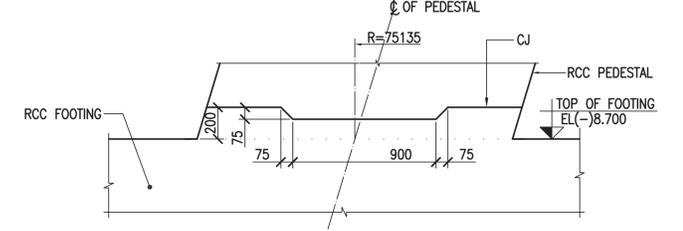
NOTES:
 1. ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METER UNLESS OTHERWISE SPECIFIED.
 2. DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
 3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH SHEET 1 & 2 OF THIS DRAWING.

SCHEDULE OF QUANTITIES PER ONE NDCT

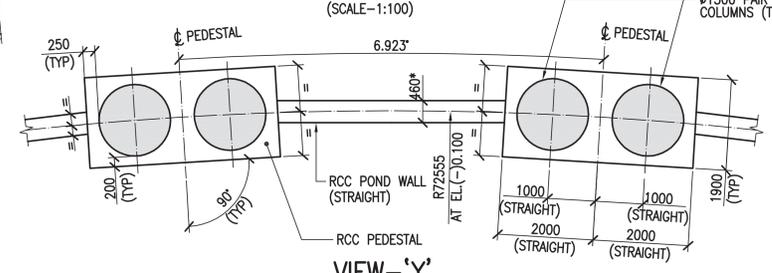
CONCRETE	CONCRETE GRADE	QUANTITIES (M ³)
P.C.C.	M10	600
FOOTING	M30	9470
PEDESTAL	M30	3550
POND WALL	M30	420



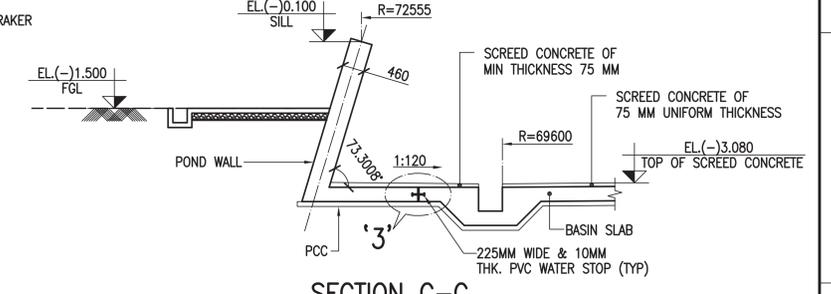
DETAILS OF CONSTRUCTION JOINTS IN FOOTING
(SCALE-1:100)



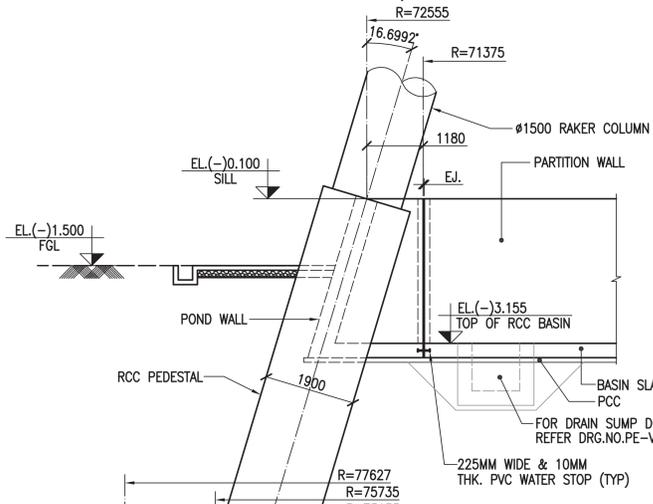
DETAIL '2'
(SCALE-1:30)



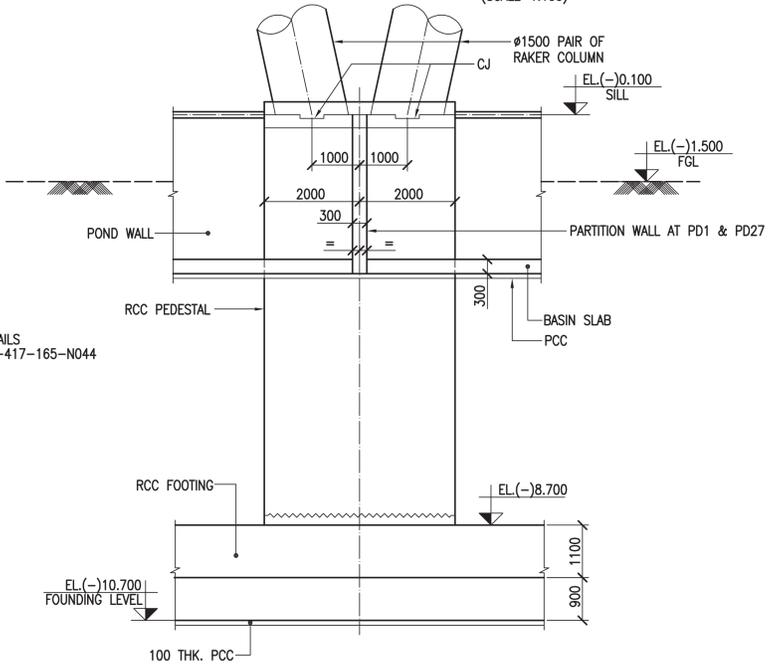
VIEW-Y
(* DIMENSION NORMAL TO PLANE OF POND WALL)
(SCALE-1:100)



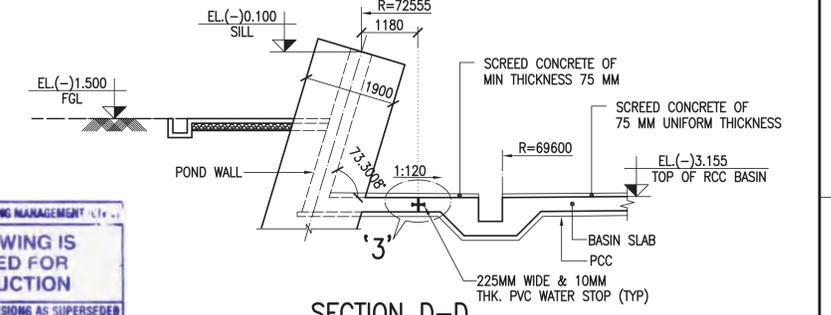
SECTION C-C
(SCALE-1:100)



SECTION A-A
(SCALE-1:100)

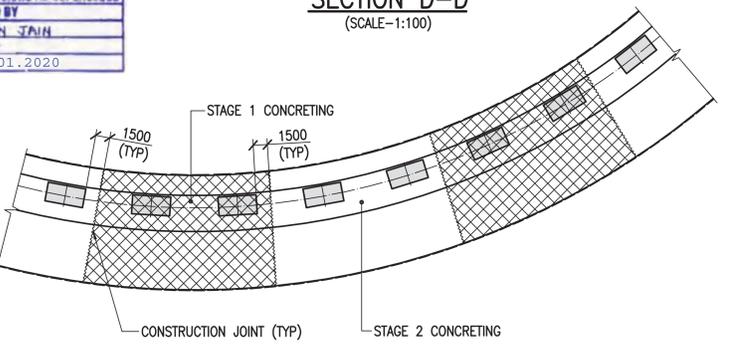


VIEW-Z
(SCALE-1:100)



SECTION D-D
(SCALE-1:100)

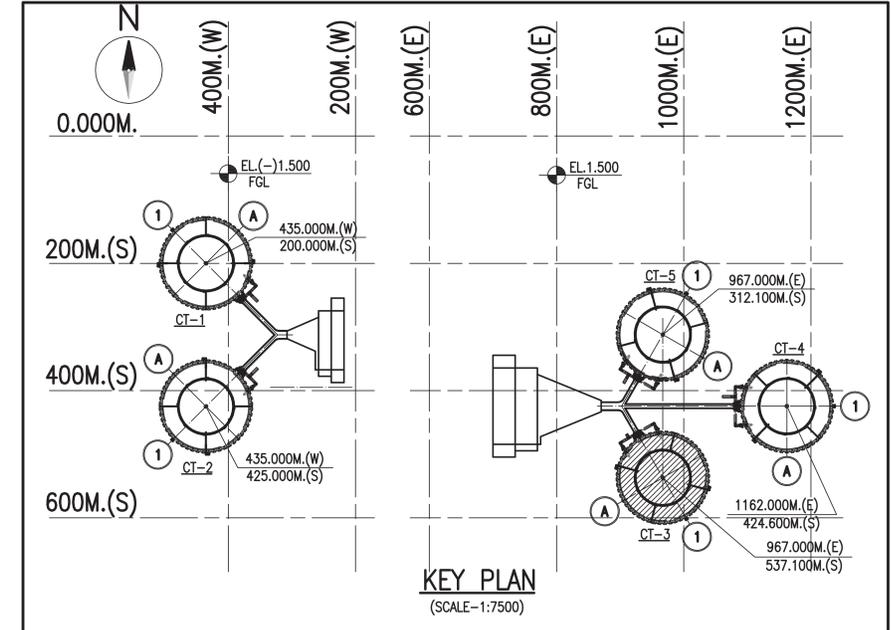
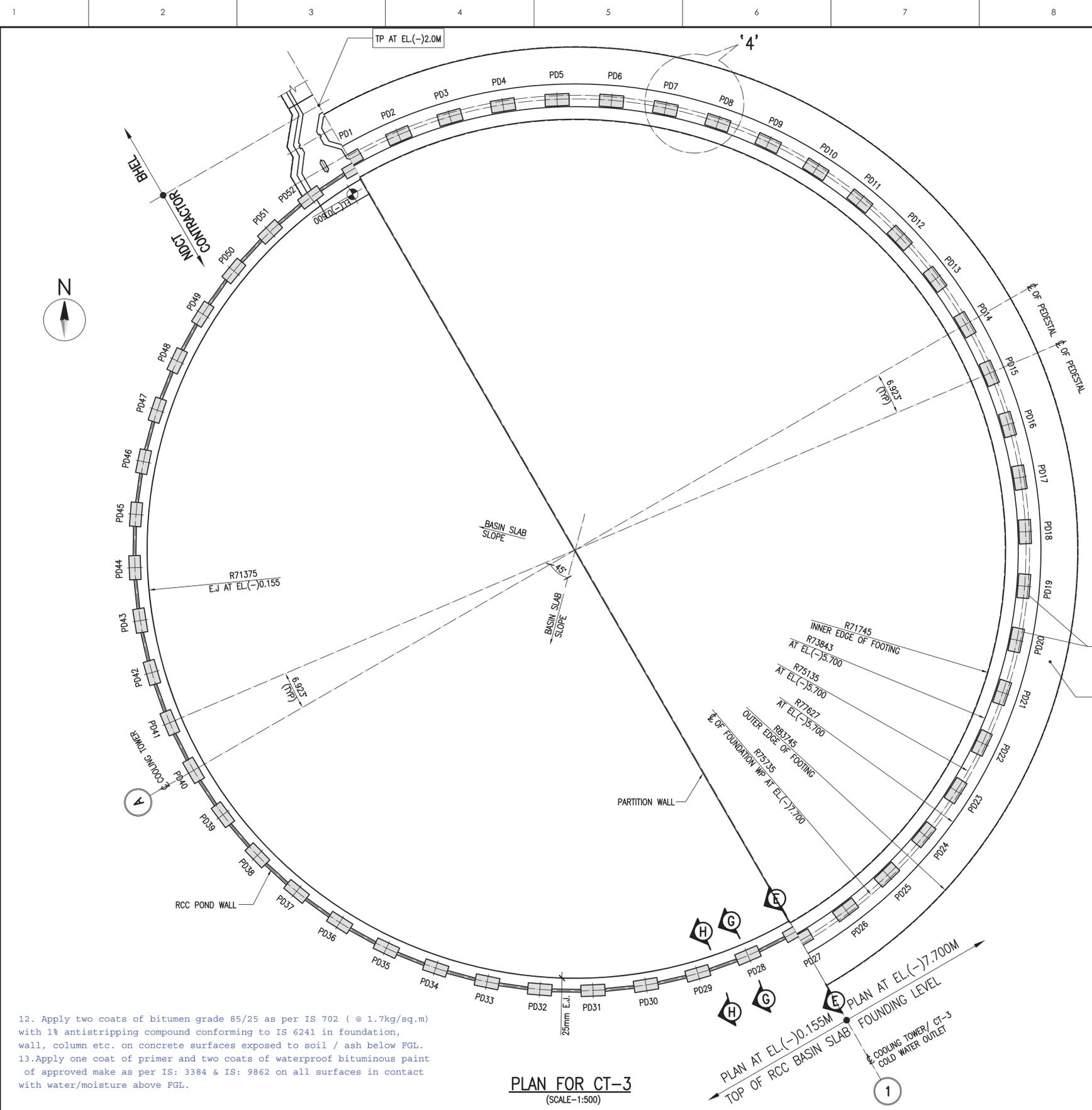
THIS DRAWING IS RELEASED FOR CONSTRUCTION
 STAMP ALL PREVIOUS REVISIONS AS SUPERSEDED
 ISSUED BY
 NAME: SACHIN JAIN
 SIGNATURE: Sd/-
 DATE: 06.01.2020



CONSTRUCTION JOINTS IN RING FOOTING
(SCALE-1:500)

FILE NAME : X:\760-YADADRI NDCT\WORKING\760-E-DD-004-R1\CT-1 & CT-2.dwg

CUSTOMER TELANGANA STATE POWER GENERATION CORPORATION LTD TELANGANA INDIA		EPC CONTRACTOR BHARAT HEAVY ELECTRICALS LIMITED		NDCT CONSULTANT SPECTRUM Techno Consultants Pvt Ltd 401, Raikar Bhavan, Plot No. 9, Sector-17, Vashi, Navi Mumbai 400 705 India. Email : info@spectrumworld.net		DRAWN BY : SPP CHECKED BY : JHB APPROVED BY : UKR DATE : 26/12/2018 SCALE : AS SHOWN		TITLE CONCRETE DIMENSION OF NDCT FOUNDATION, PEDESTAL & POND WALL (STAGE#1) STCPL DRG.NO. 760-E-DD-004 BHEL DRG.NO. PE-V1-417-165-N034 (SHEET 3 OF 7) THIS DRAWING IS THE PROPERTY OF SPECTRUM Techno Consultants Pvt Ltd IT IS SUBJECT TO THEIR RECALL, AND MUST NOT BE LENT, COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.		REV.NO. R1
CONSULTANT TATA CONSULTING ENGINEERS LIMITED BANGALORE INDIA		5x800 MW YADADRI THERMAL POWER STATION								SHEET SIZE : A2 12



- NOTES:**
- ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METER UNLESS OTHERWISE SPECIFIED.
 - DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
 - ANY LOOSE SOIL,PACKETS,ETC. BELOW FOOTING SHALL BE REPLACED WITH PCC M10.
 - CONCRETE MIX M10 FOR P.C.C. WORKS, AS INDICATED.
 - CONCRETE GRADE
 - * FOOTING - M30
 - * PEDESTAL - M30
 - * POND WALL - M30
 - * RAKER COLUMN - M50
 - PEDESTALS SHALL BE KEPT LATERALLY SUPPORTED TILL THE CONCRETE IN ALL POND WALLS ACHIEVES ITS FULL STRENGTH.
 - RL.81.500 CORRESPONDS TO EL.(-)0.000 OF POWER HOUSE BUILDING
FGL = EL.(-)1.500 CORRESPONDS TO RL.80.000. IN THE COOLING TOWER AREA FOR CT#1 & CT#2 FGL = EL.(+)1.500 CORRESPONDS TO RL.83.000. IN THE COOLING TOWER AREA FOR CT#3, CT#4 & CT#5
 - FIRST STAGE CONCRETING OF FOOTING SHALL BE DONE SIMULTANEOUSLY IN ALTERNATE SEGMENTS ALONG FULL CIRCUMFERENCE OR IN SELECTED FEW SEGMENTS.
 - SECOND STAGE CONCRETING SHALL BE DONE WHEN ADJACENT FIRST STAGE CONCRETE IS AT LEAST 7 DAYS OLD.
 - CONCRETE SURFACE AT CONSTRUCTION JOINT SHALL BE CHIPPED AND CLEARED WITH A WIRE BRUSH AND WELL WATERED FOR AT LEAST 3 HOURS PRIOR TO PLACING OF NEW CONCRETE. THE SURFACE SHALL THEN BE CLEARED WITH A WATER JET AND A NEAT CEMENT GROUT SHALL BE APPLIED OVER IT JUST BEFORE PLACING FRESH CONCRETE.
 - PCC FOR BASIN SLAB PORTION SHALL BE LAID ON WELL COMPACTED STRATA WITH MINIMUM 90% PROCTOR DENSITY.
 - ~~NDCT FOOTING, PEDESTAL, POND WALL & RAKER COLUMNS SHALL BE PAINTED WITH ONE COAT OF PRIMER AND TWO COATS OF WATER PROOF BITUMINOUS PAINT CONFORMING TO IS:3384 AND IS:9862 RESPECTIVELY.~~
 - THIS DRAWING SHALL BE READ IN CONJUNCTION WITH SHEET 5, 6 & 7 OF THIS DRAWING.

- REFERENCE DRAWING:** (LATEST REVISION)
- PE-V1-417-165-N001 --- GENERAL ARRANGEMENT OF NATURAL DRAFT COOLING TOWER
 - PE-V1-417-165-N033 --- EXCAVATION LAYOUT OF NDCT
 - PE-V1-417-165-N035 --- REINFORCEMENT DETAILS OF NDCT FOUNDATION, PEDESTAL & POND WALL
 - PE-V1-417-165-N036 --- CONCRETE DIMENSION OF RAKER COLUMN
 - PE-V1-417-165-N037 --- REINFORCEMENT DETAILS OF RAKER COLUMN
 - PE-V1-417-165-N038 --- SHELL PROFILE AND THICKNESS
 - PE-V1-417-165-N044 --- CONCRETE DIMENSIONS DETAILS OF BASIN FLOOR

- LEGENDS**
- FGL - FINISH GROUND LEVEL
 - CJ - CONSTRUCTION JOINT
 - TYP - TYPICAL
 - PD - PEDESTAL
 - CL - CENTER LINE
 - EL - ELEVATION LEVEL
 - WP - WORKING POINT
 - EJ - EXPANSION JOINT

BHEL - PROJECT ENGINEERING MANAGEMENT

THIS DRAWING IS RELEASED FOR CONSTRUCTION

STAMP ALL PREVIOUS REVISIONS AS SUPERSEDED

ISSUED BY

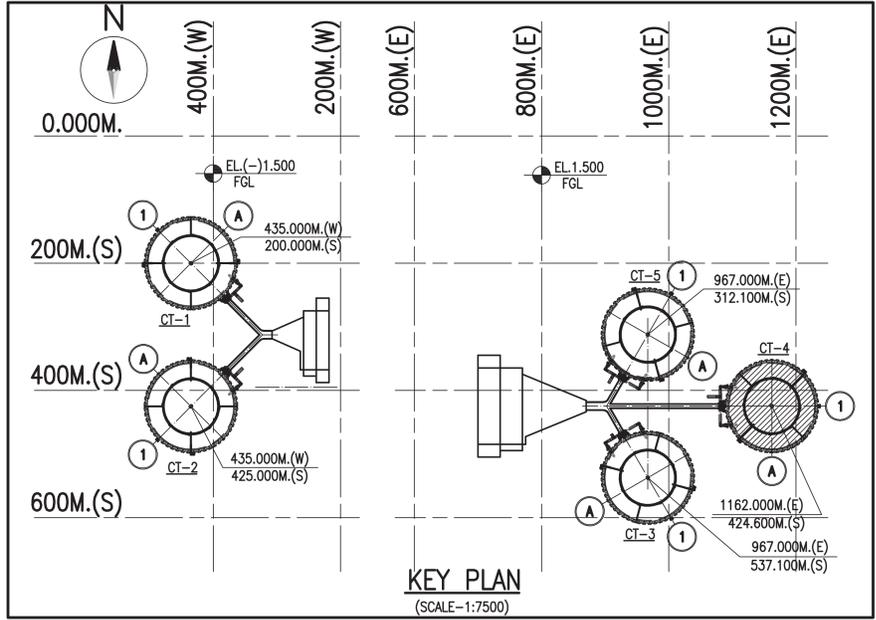
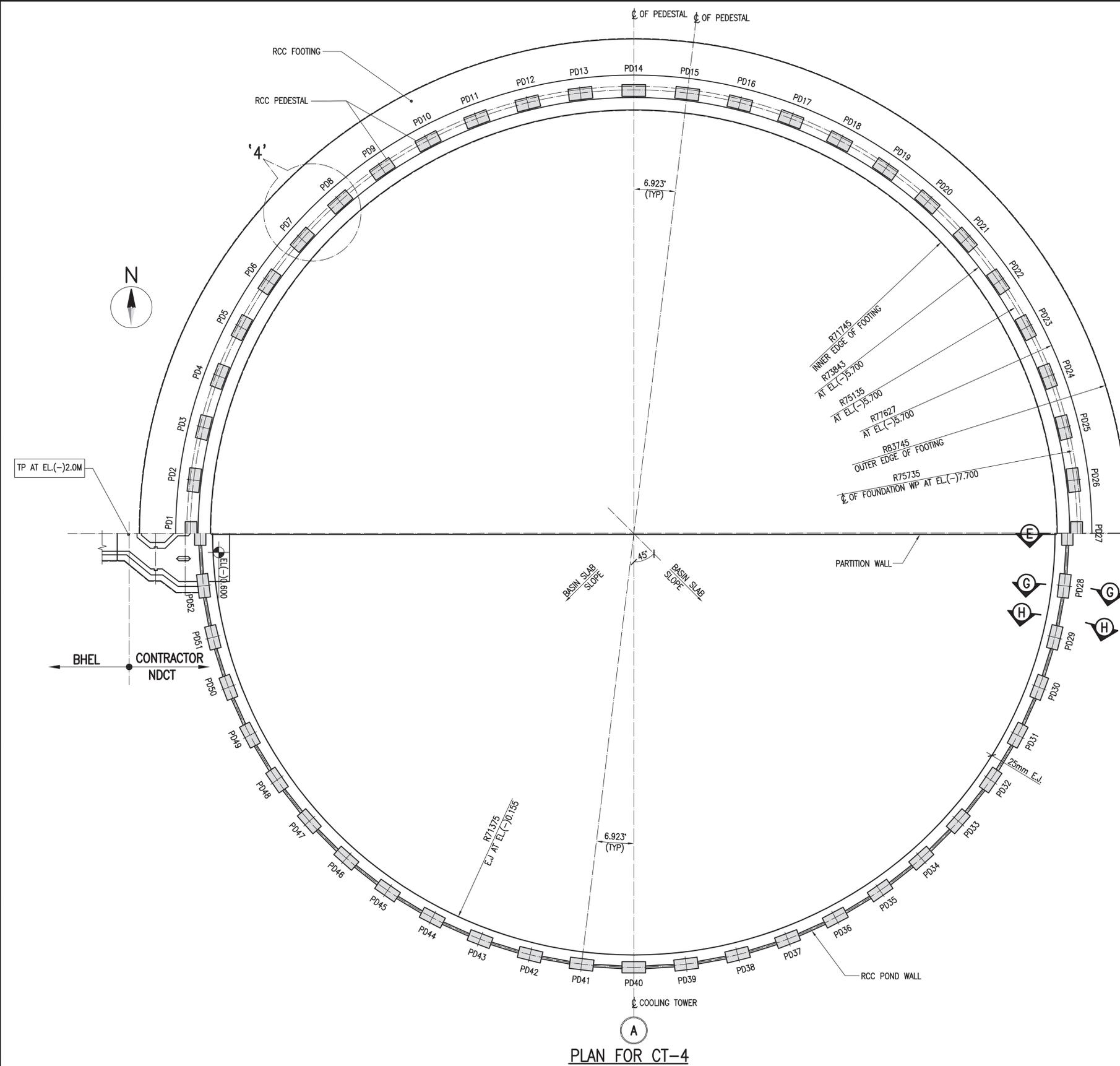
NAME: SACHIN JAIN
SIGNATURE: -Sd-
DATE: 06.01.2020

12. Apply two coats of bitumen grade 85/25 as per IS 702 (@ 1.7kg/sq.m) with 1% antistripping compound conforming to IS 6241 in foundation, wall, column etc. on concrete surfaces exposed to soil / ash below FGL.
13. Apply one coat of primer and two coats of waterproof bituminous paint of approved make as per IS: 3384 & IS: 9862 on all surfaces in contact with water/moisture above FGL.

PLAN FOR CT-3
(SCALE-1:500)

FILE NAME : X:\760-YADADRI\NDCT\WORKING\760-E-DD-004-R1\CT-3_C14 & C15.dwg

		CUSTOMER TELANGANA STATE POWER GENERATION CORPORATION LTD TELANGANA INDIA	EPC CONTRACTOR BHARAT HEAVY ELECTRICALS LIMITED	NDCT CONSULTANT SPECTRUM Techno Consultants Pvt Ltd 401, Raikar Bhavan, Plot No. 9, Sector-17, Vashi, Navi Mumbai 400 705 India. Email : info@spectrumworld.net	DRAWN BY : SPP CHECKED BY : JHB APPROVED BY : UKR DATE : 26/12/2018 SCALE : AS SHOWN	TITLE CONCRETE DIMENSION OF NDCT FOUNDATION, PEDESTAL & POND WALL (STAGE#2) STCPL DRG.NO. 760-E-DD-004 BHEL DRG.NO. PE-V1-417-165-N034 (SHEET 4 OF 7) THIS DRAWING IS THE PROPERTY OF SPECTRUM Techno Consultants Pvt Ltd IT IS SUBJECT TO THEIR RECALL, AND MUST NOT BE LENT, COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.
H R1 26/12/18 R0 11/09/18 REV. NO. DATE DESCRIPTION DRAWN	SPP CONSULTANT TATA CONSULTING ENGINEERS LIMITED BANGALORE INDIA	SSB 5x800 MW YADADRI THERMAL POWER STATION	H REV.NO. R1 SHEET SIZE : A2 12			



- NOTES:**
1. ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METER UNLESS OTHERWISE SPECIFIED.
 2. DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
 3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH SHEET 4, 6, & 7 OF THIS DRAWING.

PLAN FOR CT-4
(SCALE-1:500)

PROJECT ENGINEERING MANAGEMENT

THIS DRAWING IS RELEASED FOR CONSTRUCTION

STAMP ALL PREVIOUS REVISIONS AS SUPERSEDED

ISSUED BY

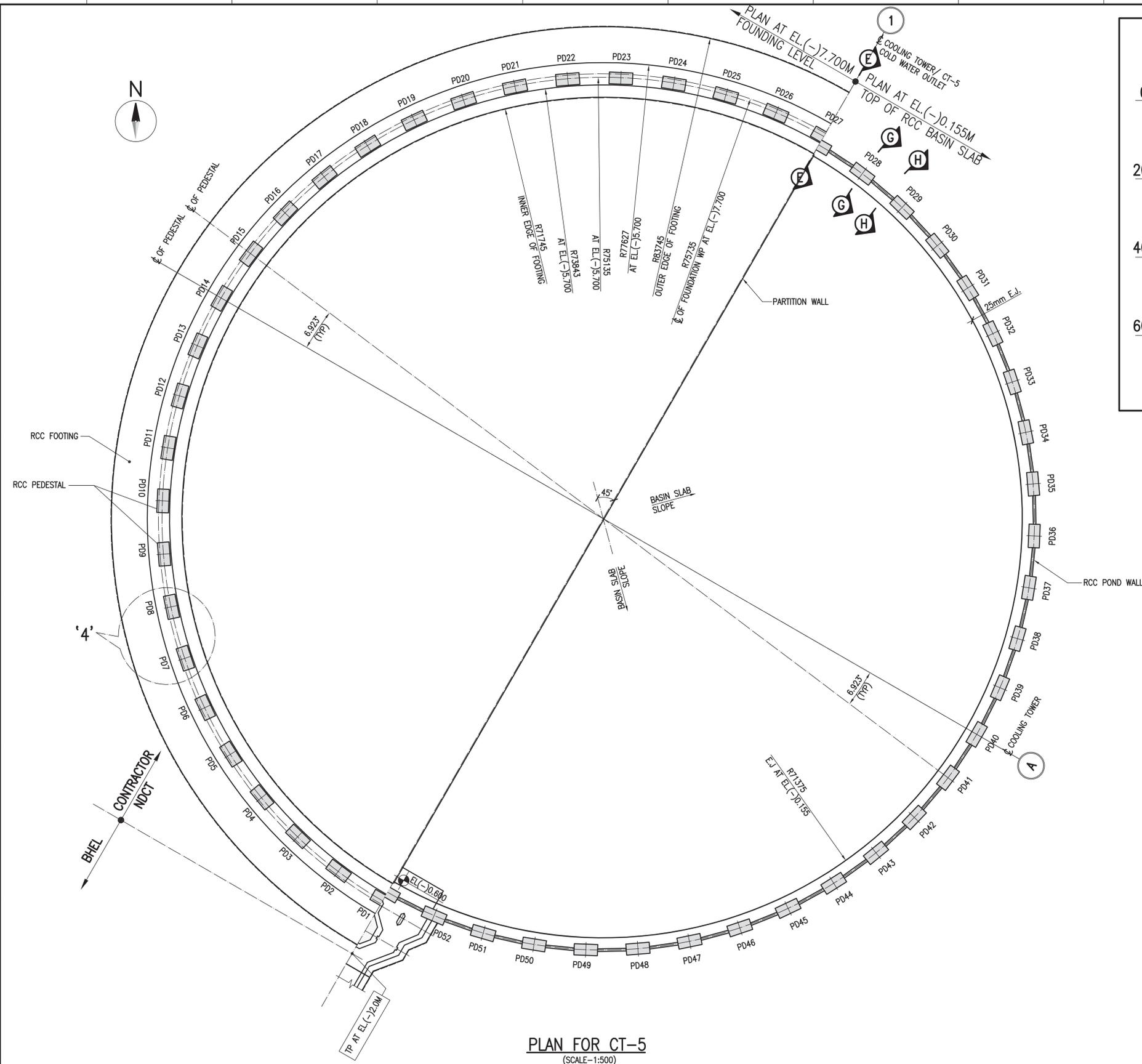
NAME: SACHIN JAIN

SIGNATURE: -sd-

DATE: 06.01.2020

FILE NAME : X:\760-YADADRI\NDCT\WORKING\760-E-DD-004-R1 (CT-3, CT 4 & CT 5).dwg

CUSTOMER TELANGANA STATE POWER GENERATION CORPORATION LTD TELANGANA INDIA		EPC CONTRACTOR BHARAT HEAVY ELECTRICALS LIMITED		NDCT CONSULTANT SPECTRUM Techno Consultants Pvt Ltd 401, Raikar Bhavan, Plot No. 9, Sector-17, Vashi, Navi Mumbai 400 705 India. Email : info@spectrumworld.net		DRAWN BY : SPP	TITLE CONCRETE DIMENSION OF NDCT FOUNDATION, PEDESTAL & POND WALL (STAGE#2)		
REV. NO. R1 DATE 26/12/18 DESCRIPTION: BASED ON CUSTOMER COMMENTS TRANSMITTAL NO: TCE.11005A-CV-VDT-071	SPP	CONSULTANT TATA CONSULTING ENGINEERS LIMITED BANGALORE INDIA	5x800 MW YADADRI THERMAL POWER STATION			CHECKED BY : JHB	STCPL DRG.NO. 760-E-DD-004		REV.NO. R1
REV. NO. R0 DATE 11/09/18 DESCRIPTION: FOR APPROVAL	SSB					APPROVED BY : UKR	BHEL DRG.NO. PE-V1-417-165-N034 (SHEET 5 OF 7)		THIS DRAWING IS THE PROPERTY OF SPECTRUM Techno Consultants Pvt Ltd IT IS SUBJECT TO THEIR RECALL, AND MUST NOT BE LENT, COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.
						DATE 26/12/2018			SHEET SIZE : A2 12
						SCALE AS SHOWN			



PLAN FOR CT-5
(SCALE-1:500)

BHEL - PROJECT ENGINEERING MANAGEMENT

THIS DRAWING IS RELEASED FOR CONSTRUCTION

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ISSUED BY

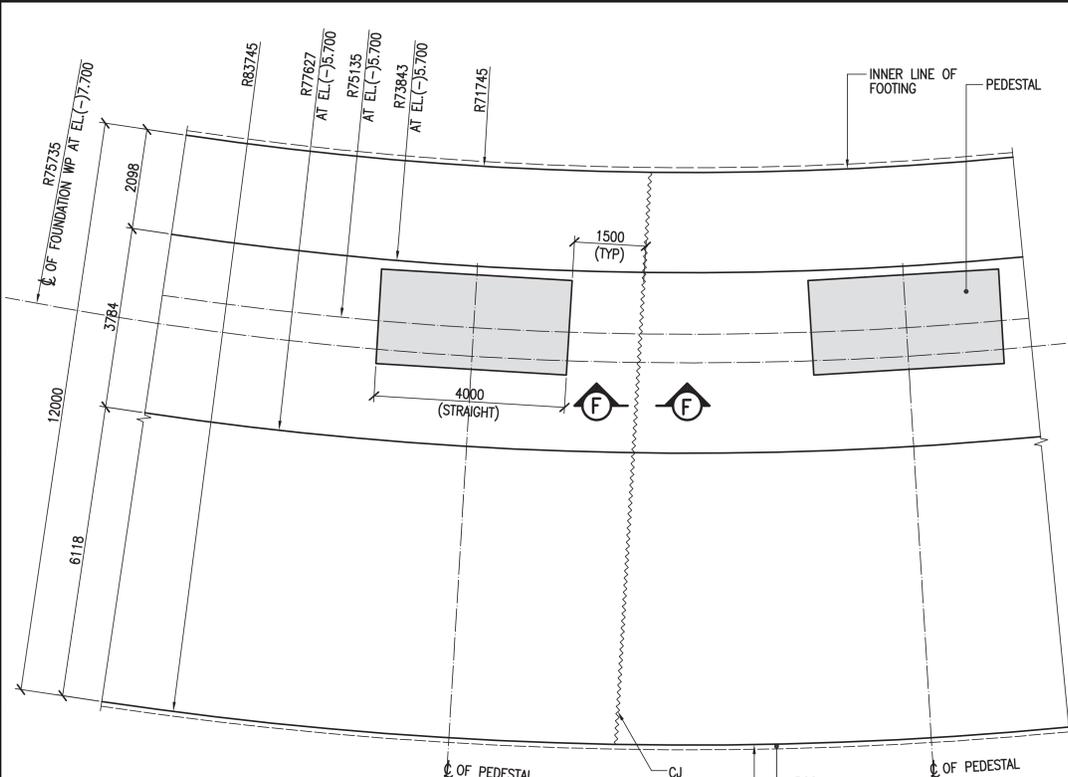
NAME: SACHIN JAIN

SIGNATURE: -S-

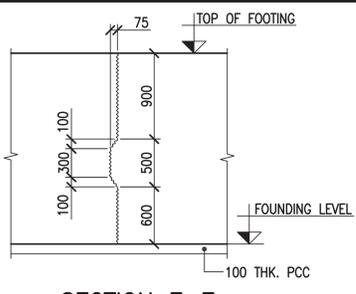
DATE: 06.01.2020

FILE NAME : X:\760-YADADRI\NDCT\WORKING\760-E-DD-004-R1\CT-3, CT 4 & CT 5.dwg

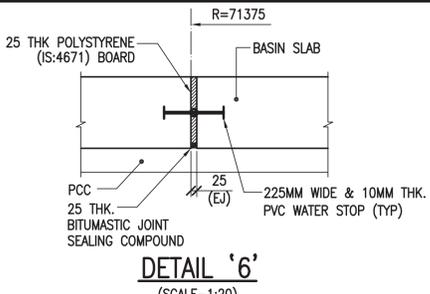
R1 26/12/18		BASED ON CUSTOMER COMMENTS TRANSMITTAL NO: TCE.11005A-CV-VDT-071		SPP		CUSTOMER TELANGANA STATE POWER GENERATION CORPORATION LTD TELANGANA INDIA		EPC CONTRACTOR BHARAT HEAVY ELECTRICALS LIMITED		NDCT CONSULTANT SPECTRUM Techno Consultants Pvt Ltd 401, Raikar Bhavan, Plot No. 9, Sector-17, Vashi, Navi Mumbai 400 705 India. Email : info@spectrumworld.net		DRAWN BY : SPP		TITLE CONCRETE DIMENSION OF NDCT FOUNDATION, PEDESTAL & POND WALL (STAGE#2)	
R0 11/09/18		FOR APPROVAL		SSB		CONSULTANT TATA CONSULTING ENGINEERS LIMITED BANGALORE INDIA		5x800 MW YADADRI THERMAL POWER STATION		APPROVED BY : UKR		STCPL DRG.NO. 760-E-DD-004		REV.NO. R1	
REV. NO.		DATE		DESCRIPTION		DRAWN				DATE: 26/12/2018		BHEL DRG.NO. PE-V1-417-165-N034 (SHEET 6 OF 7)		THIS DRAWING IS THE PROPERTY OF SPECTRUM Techno Consultants Pvt Ltd IT IS SUBJECT TO THEIR RECALL, AND MUST NOT BE LENT, COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.	



DETAIL '4'
(SCALE-1:100)



SECTION F-F
(SCALE-1:50)

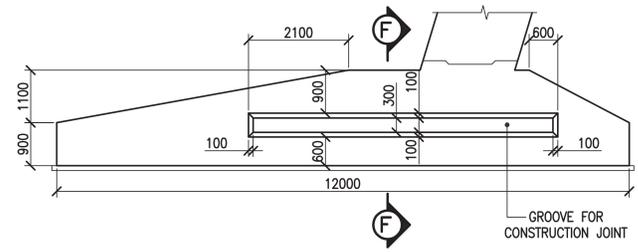


DETAIL '6'
(SCALE-1:20)

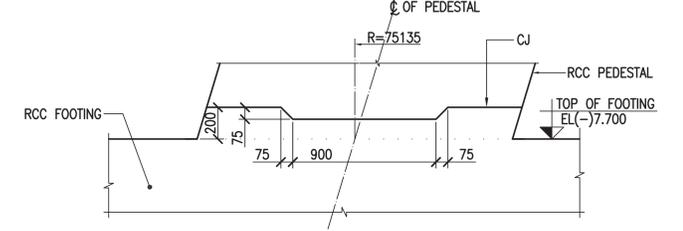
- NOTES:**
- ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METER UNLESS OTHERWISE SPECIFIED.
 - DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
 - THIS DRAWING SHALL BE READ IN CONJUNCTION WITH SHEET 4, 5 & 6 OF THIS DRAWING.

SCHEDULE OF QUANTITIES PER ONE NDCT

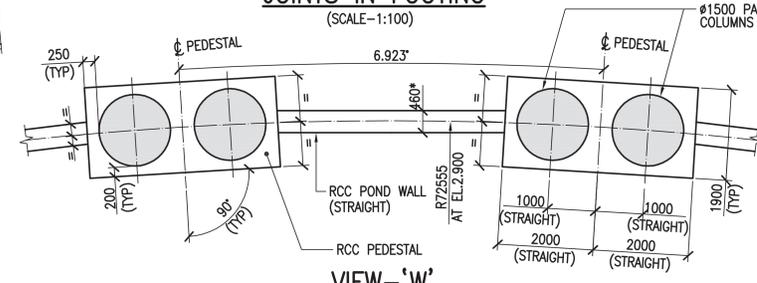
CONCRETE	CONCRETE GRADE	QUANTITIES (M ³)
P.C.C.	M10	600
FOOTING	M30	9470
PEDESTAL	M30	3550
POND WALL	M30	420



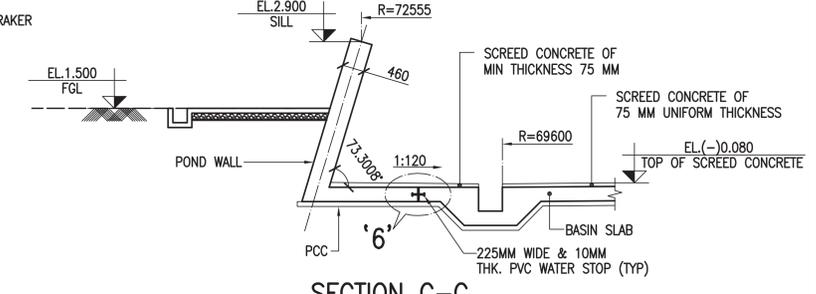
DETAILS OF CONSTRUCTION JOINTS IN FOOTING
(SCALE-1:100)



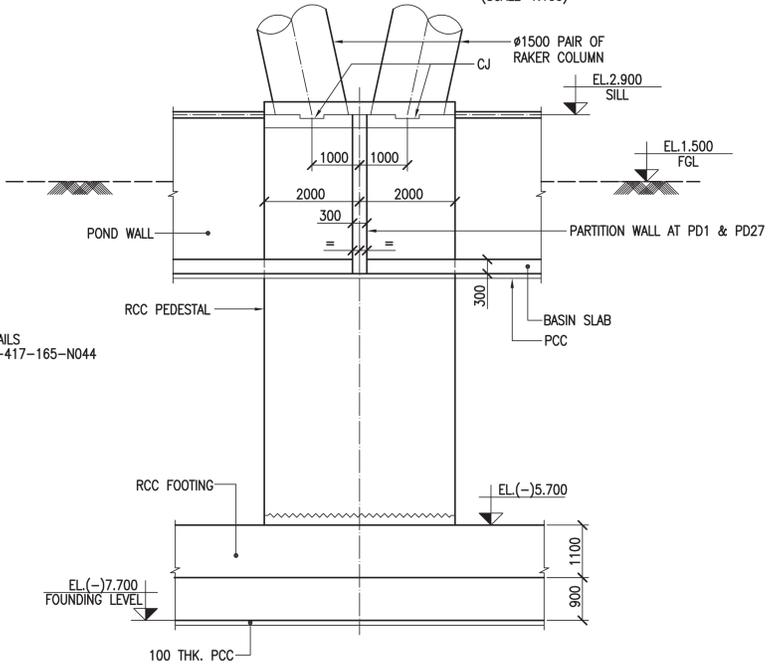
DETAIL '5'
(SCALE-1:30)



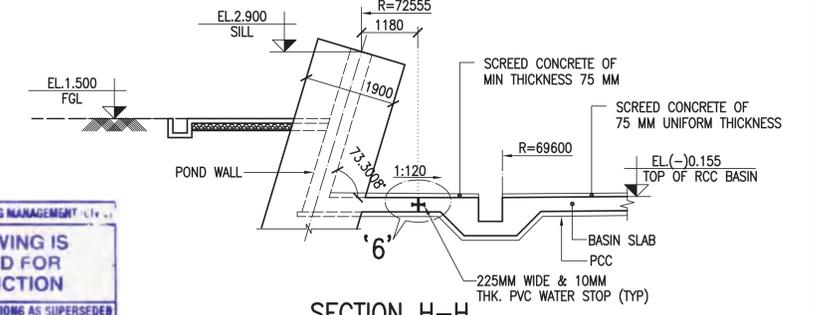
VIEW-W
(* DIMENSION NORMAL TO PLANE OF POND WALL)
(SCALE-1:100)



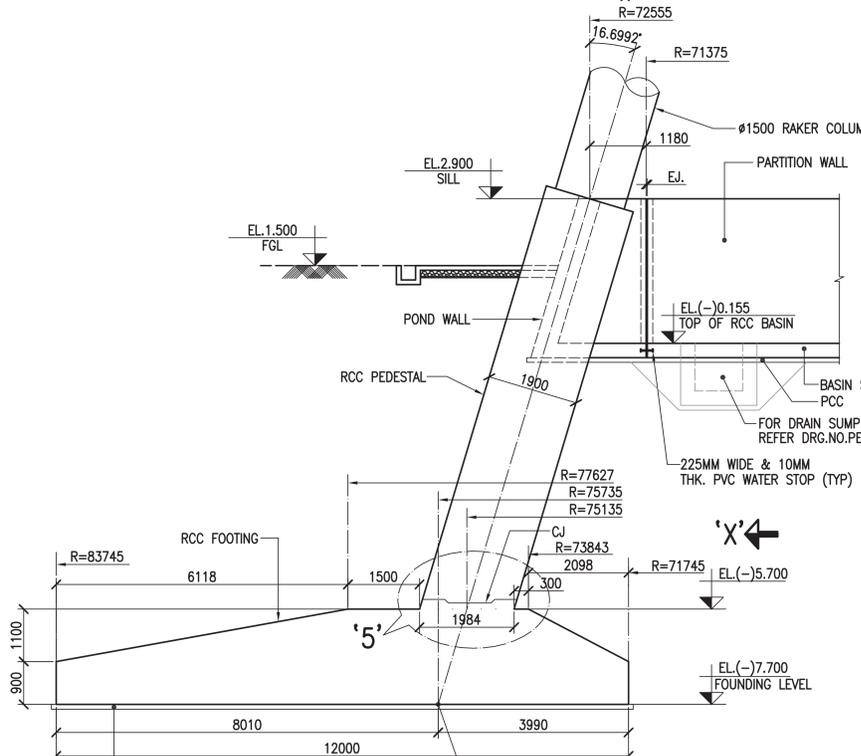
SECTION G-G
(SCALE-1:100)



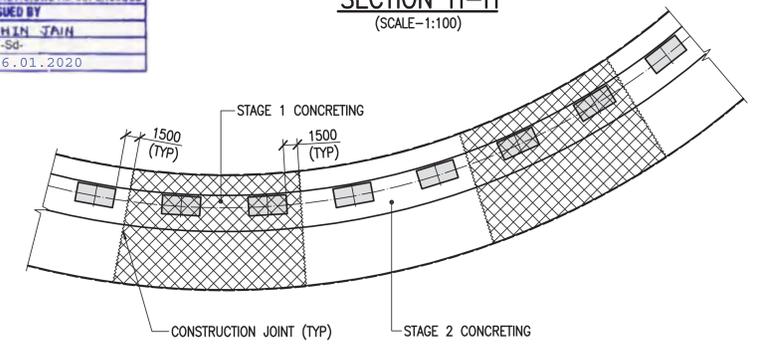
VIEW-X
(SCALE-1:100)



SECTION H-H
(SCALE-1:100)



SECTION E-E
(SCALE-1:100)



CONSTRUCTION JOINTS IN RING FOOTING
(SCALE-1:500)

THIS DRAWING IS RELEASED FOR CONSTRUCTION

STAMP ALL PREVIOUS REVISIONS AS SUPERSEDED

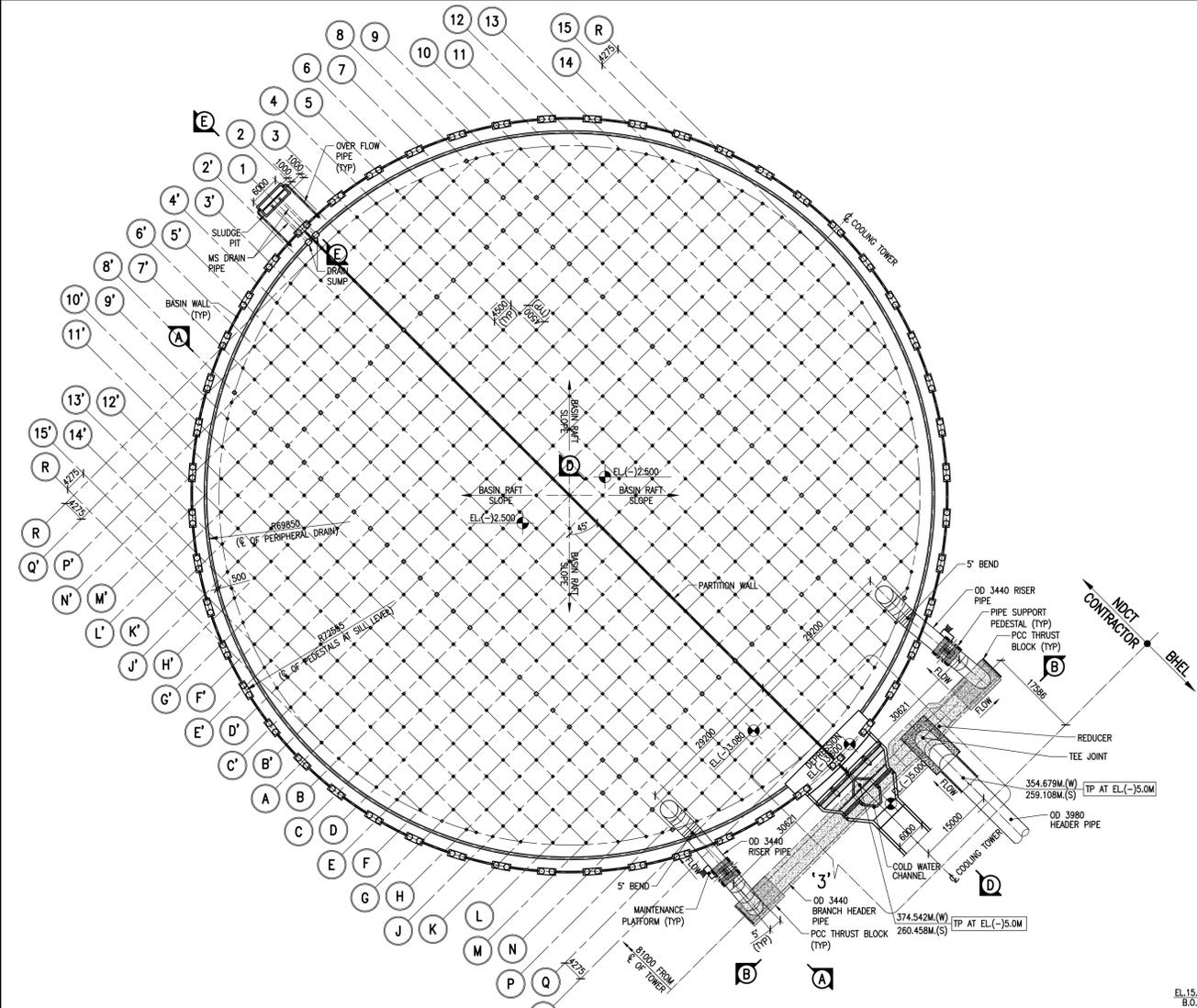
ISSUED BY: SACHIN JAIN

SIGNATURE: SJ

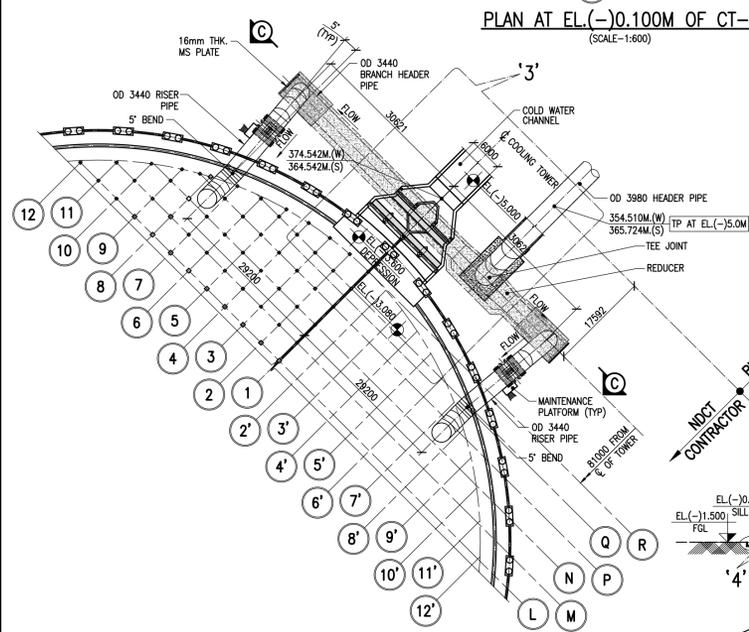
DATE: 06.01.2020

FILE NAME : X:\760-YADADRI\NDCT\WORKING\760-E-DD-004-R11 (CT-3) (CT 4 & CT 5).dwg

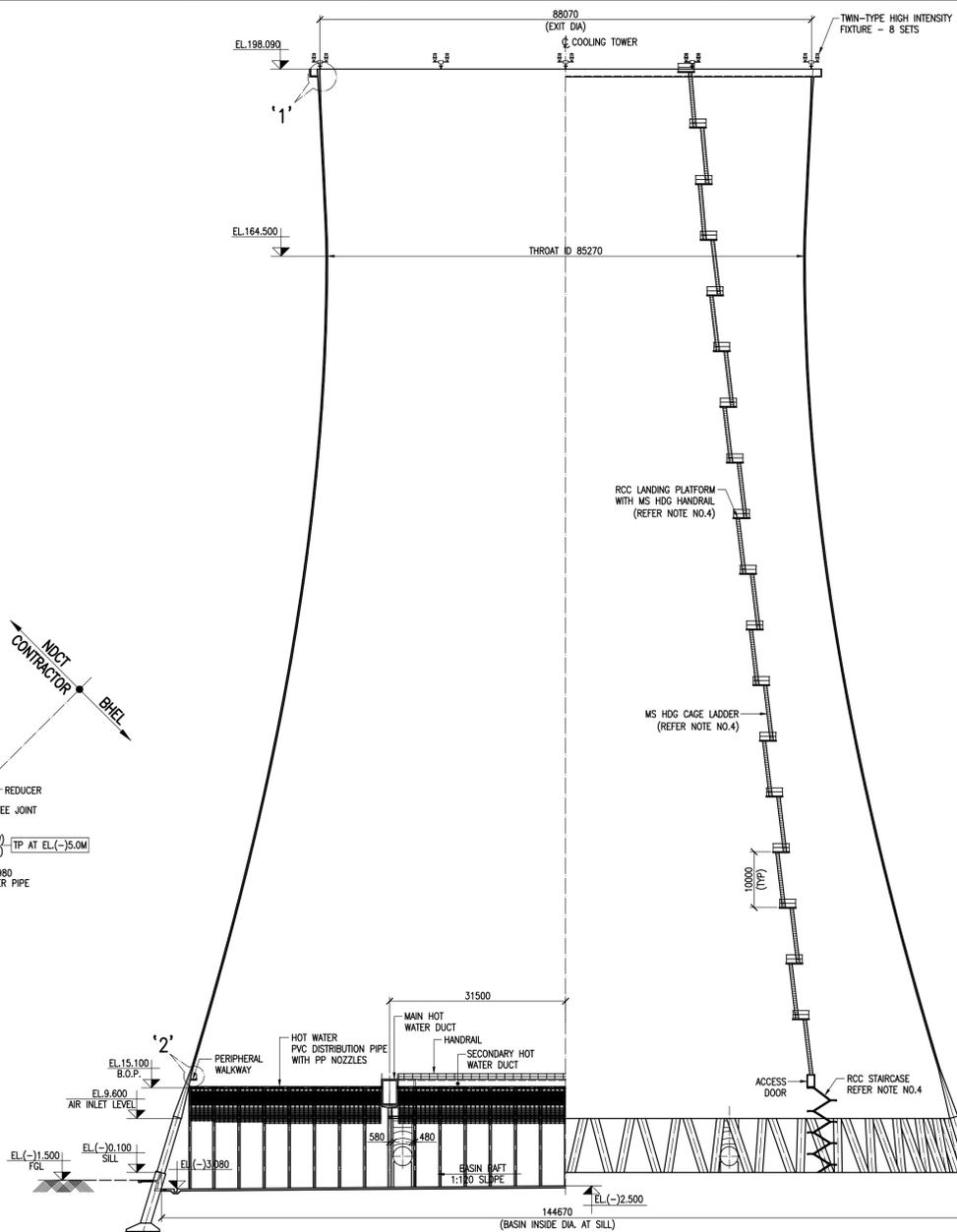
<p>CUSTOMER TELANGANA STATE POWER GENERATION CORPORATION LTD TELANGANA INDIA</p>		<p>EPC CONTRACTOR BHARAT HEAVY ELECTRICALS LIMITED</p>		<p>NDCT CONSULTANT SPECTRUM Techno Consultants Pvt Ltd 401, Raikar Bhavan, Plot No. 9, Sector-17, Vashi, Navi Mumbai 400 705 India. Email : info@spectrumworld.net</p>		<p>DRAWN BY : SPP</p> <p>CHECKED BY : JHB</p> <p>APPROVED BY : UKR</p> <p>DATE : 26/12/2018</p> <p>SCALE : AS SHOWN</p>		<p>TITLE CONCRETE DIMENSION OF NDCT FOUNDATION, PEDESTAL & POND WALL (STAGE#2)</p> <p>STCPL DRG.NO. 760-E-DD-004</p> <p>BHEL DRG.NO. PE-V1-417-165-N034 (SHEET 7 OF 7)</p> <p>THIS DRAWING IS THE PROPERTY OF SPECTRUM Techno Consultants Pvt Ltd IT IS SUBJECT TO THEIR RECALL, AND MUST NOT BE LENT, COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.</p>		<p>REV. NO. R1</p>
<p>CONSULTANT TATA CONSULTING ENGINEERS LIMITED BANGALORE INDIA</p>		<p>5x800 MW YADADRI THERMAL POWER STATION</p>		<p>REV. NO. R1</p>		<p>REV. NO. R1</p>		<p>REV. NO. R1</p>		<p>SHEET SIZE : A2 12</p>



PLAN AT EL(-)0.100M OF CT-1 (SCALE-1:600)

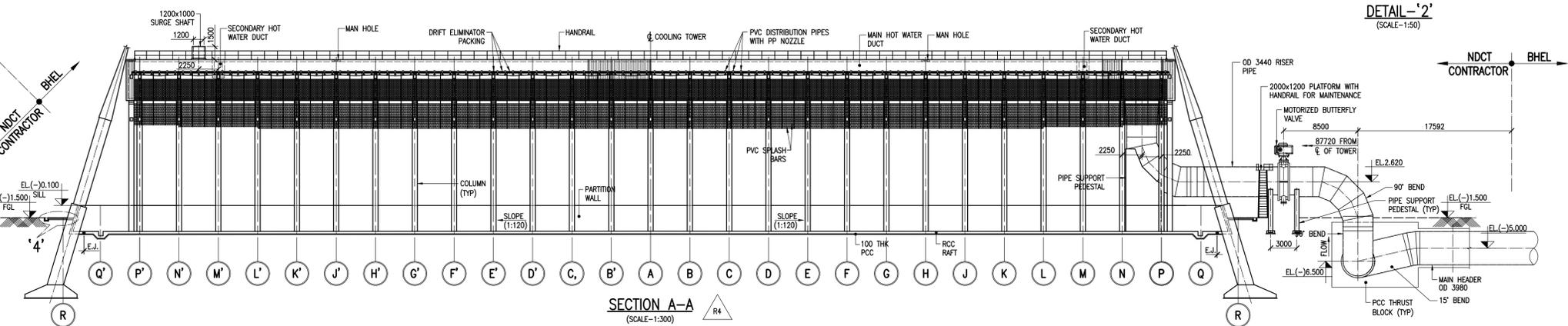


PART PLAN AT EL(-)0.100M OF CT-2 (SCALE-1:600)

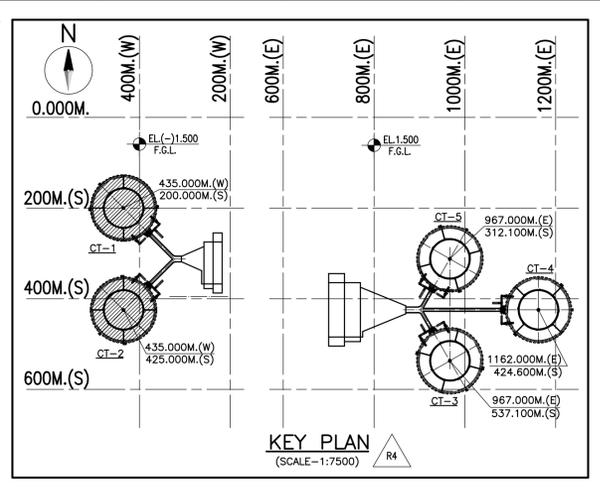


HALF SECTION OF CT1 & CT2 (UNIT#1) (SCALE-1:600)

HALF ELEVATION OF CT1 & CT2 (UNIT#1) (SCALE-1:600)



SECTION A-A (SCALE-1:300)

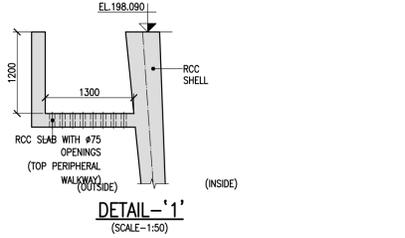


KEY PLAN (SCALE-1:7500)

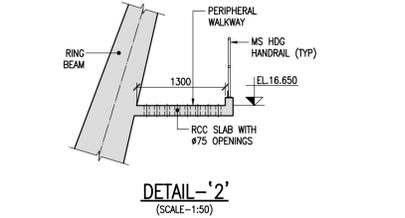
- NOTES:**
- ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METER UNLESS OTHERWISE SPECIFIED.
 - DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
 - FOR EARTHING & LIGHTNING PROTECTION DETAILS REFER DRAWING NO. PE-VI-417-165-N055 AND FOR AOLS SYSTEM DETAILS REFER DRAWING NO. PE-VI-417-165-N065
 - FOR DETAILS OF STAIRCASE REFER DRAWING NO. PE-VI-417-165-N023 & FOR DETAILS OF CAGE LADDER REFER DRAWING NO. PE-VI-417-165-N034
 - RL.81.500 CORRESPONDS TO EL(-)0.000 OF POWER HOUSE BUILDING
 - EL(-)1.500 CORRESPONDS TO RL.80.000. IN THE COOLING TOWER AREA FOR CT#1 & CT#2
 - EL(+).1500 CORRESPONDS TO RL.83.000. IN THE COOLING TOWER AREA FOR CT#3, CT#4 & CT#5
 - REFER DRAWING NO. PE-VI-417-165-N059 GENERAL ARRANGEMENT OF EXTERNAL HW DISTRIBUTION SYSTEM FOR DETAILS OF PAINTING FOR PROTECTION OF INTERNAL & EXTERNAL SURFACES OF PIPING.
 - FOR NDCT FOUNDATION & PEDESTAL DETAILS REFER DRG.NO. PE-VI-417-165-N034 & FOR RAMER COLUMN DETAILS REFER DRG.NO. PE-VI-417-165-N036.
 - FOR GA OF FULL SUPPORTING STRUCTURE REFER DRG.NO. PE-VI-417-165-N026.
 - FOR SHELL PROFILE REFER DRG.NO. PE-VI-417-165-N038.
 - FOR COLD WATER OUTLET DETAILS REFER DRG.NO. PE-VI-417-165-N016.
 - THIS SHEET SHOULD BE READ IN CONJUNCTION WITH SHEETS 2,3,4,5 & 6 OF THIS DRAWING.

- LEGENDS**
- FGL - FINISH GROUND
 - LEVEL BOP - BOTTOM OF PIPE
 - TYP - TYPICAL
 - TP - TERMINAL POINT
 - EJ - EXPANSION JOINT
 - AOL - AVIATION OBSTRUCTION LIGHT
 - MHL - MAIN HEADER LEVEL
 - PCC - PLAIN CEMENT CONCRETE

- DESIGN DUTY PARAMETERS**
- WATER FLOW : 90000 M³ /HR
 - HOT WATER TEMPERATURE : 42.5°C
 - COLD WATER TEMPERATURE : 33°C
 - WET BULB TEMP. : 28°C
 - RELATIVE HUMIDITY : 45%
 - PUMPING HEAD : 16.3 MWC w.r.t BASIN SILL



DETAIL-1 (SCALE-1:50)



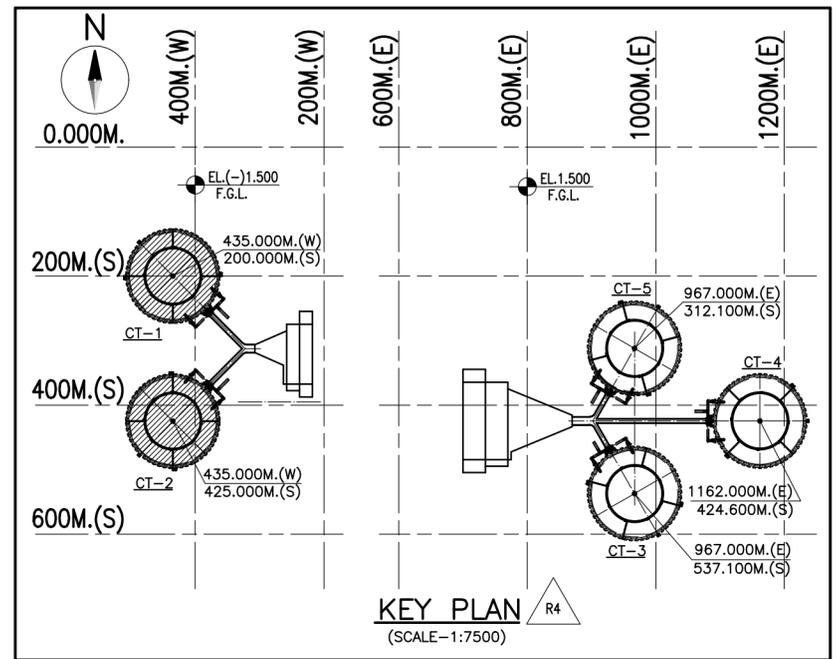
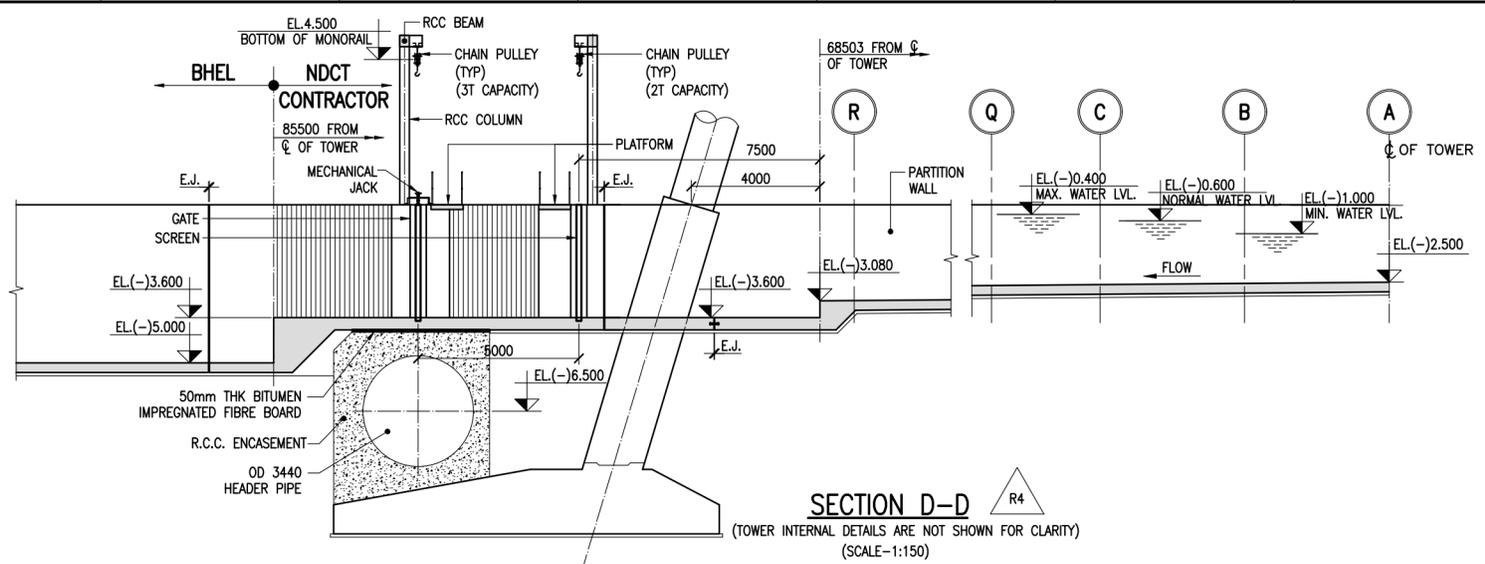
DETAIL-2 (SCALE-1:50)

R4	06/03/20	HEADER & RISER PIPES LAYOUT REVISED	YCT	CUSTOMER	TELANGANA STATE POWER GENERATION CORPORATION LTD TELANGANA INDIA	EPC CONTRACTOR	BHARAT HEAVY ELECTRICALS LIMITED	NDCT CONSULTANT	SPECTRUM Techno Consultants Pvt Ltd Navi Mumbai - India.	DRAWN BY :	SHM	TITLE	GENERAL ARRANGEMENT OF NATURAL DRAUGHT COOLING TOWER (STAGE#1)		
R3	22/01/20	BASED ON TCE COMMENTS DI. 22/01/19	KAC							CHECKED BY :	UNB				
R2	01/12/18	BASED ON TCE & TSGENCO COMMENTS DI. 22/11/18	SCJ							APPROVED BY :	UKR				
R1	10/08/18	BASED ON TCE COMMENTS DI. 03/08/18	CDS	CONSULTANT	TATA CONSULTING ENGINEERS LIMITED BANGALORE INDIA					DATE	06/03/2021	PROJECT	5x800 MW YADADRI THERMAL POWER STATION		
REV	NO.	DATE	DESCRIPTION	DRAWN						SCALE	AS SHOWN	PROJ. NO.	760-E-DD-101		
													DRG. NO.	PE-VI-417-165-N001	
														REV. NO.	R4
															SHEET 1 OF 6

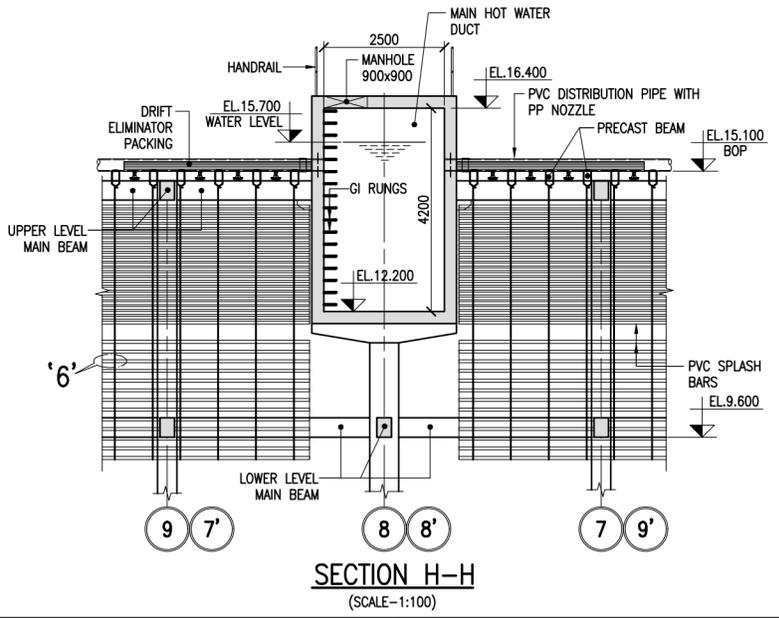
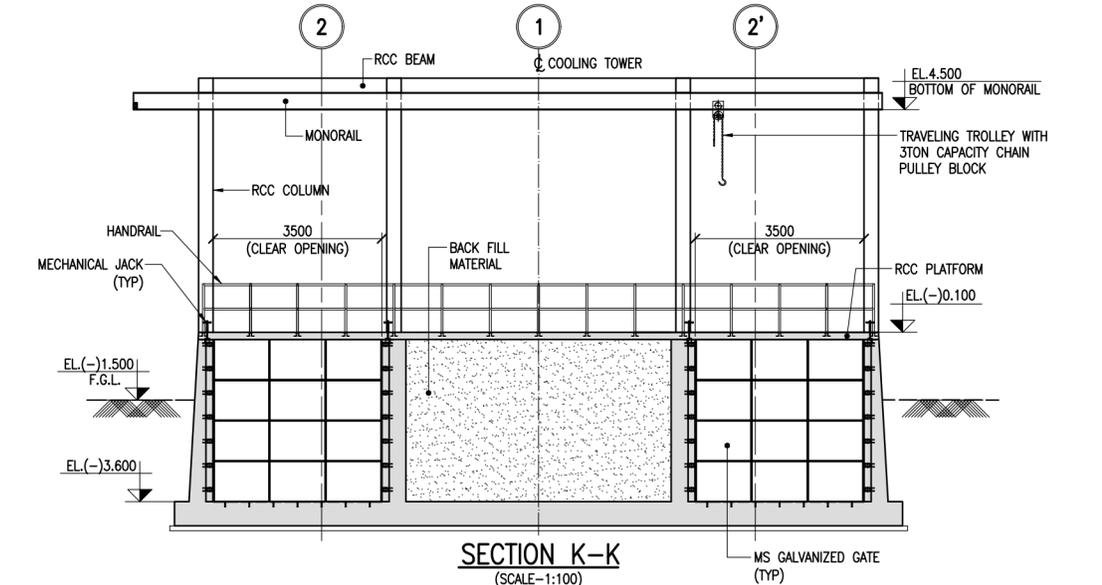
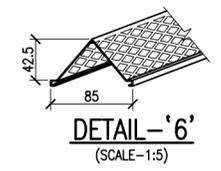
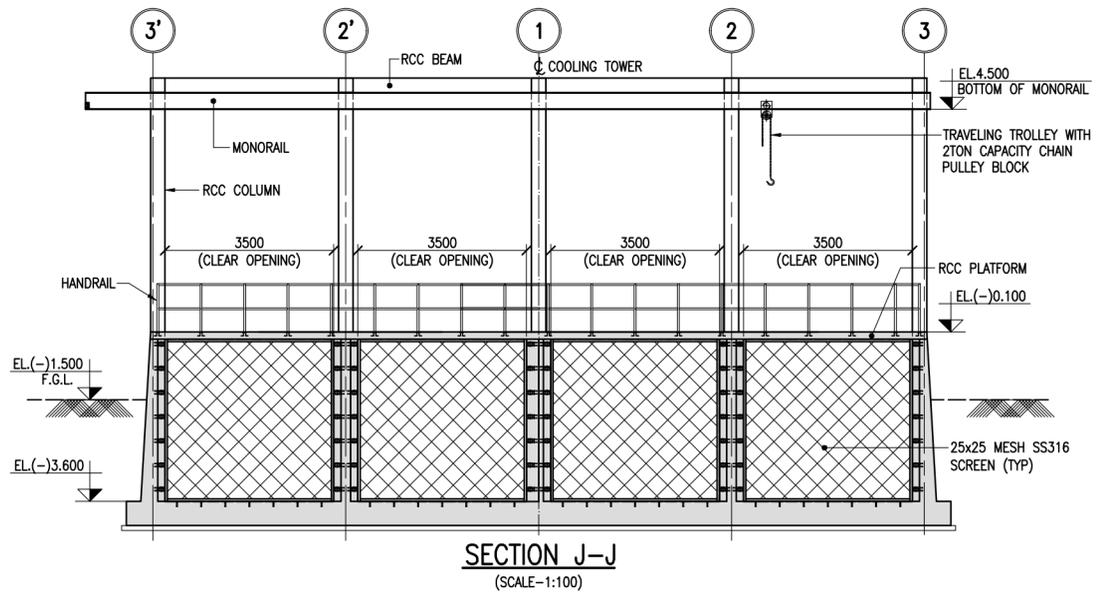
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SHEET SIZE : A1

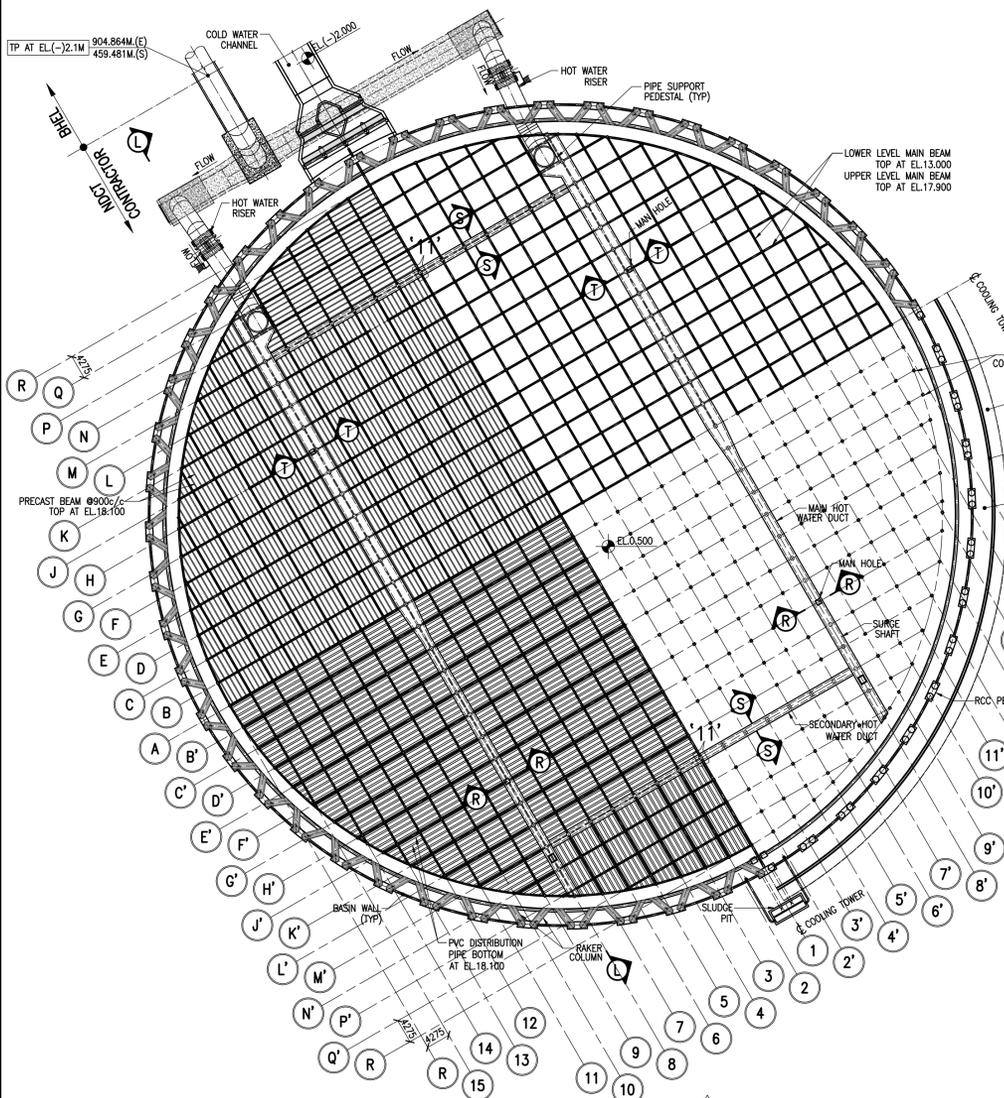
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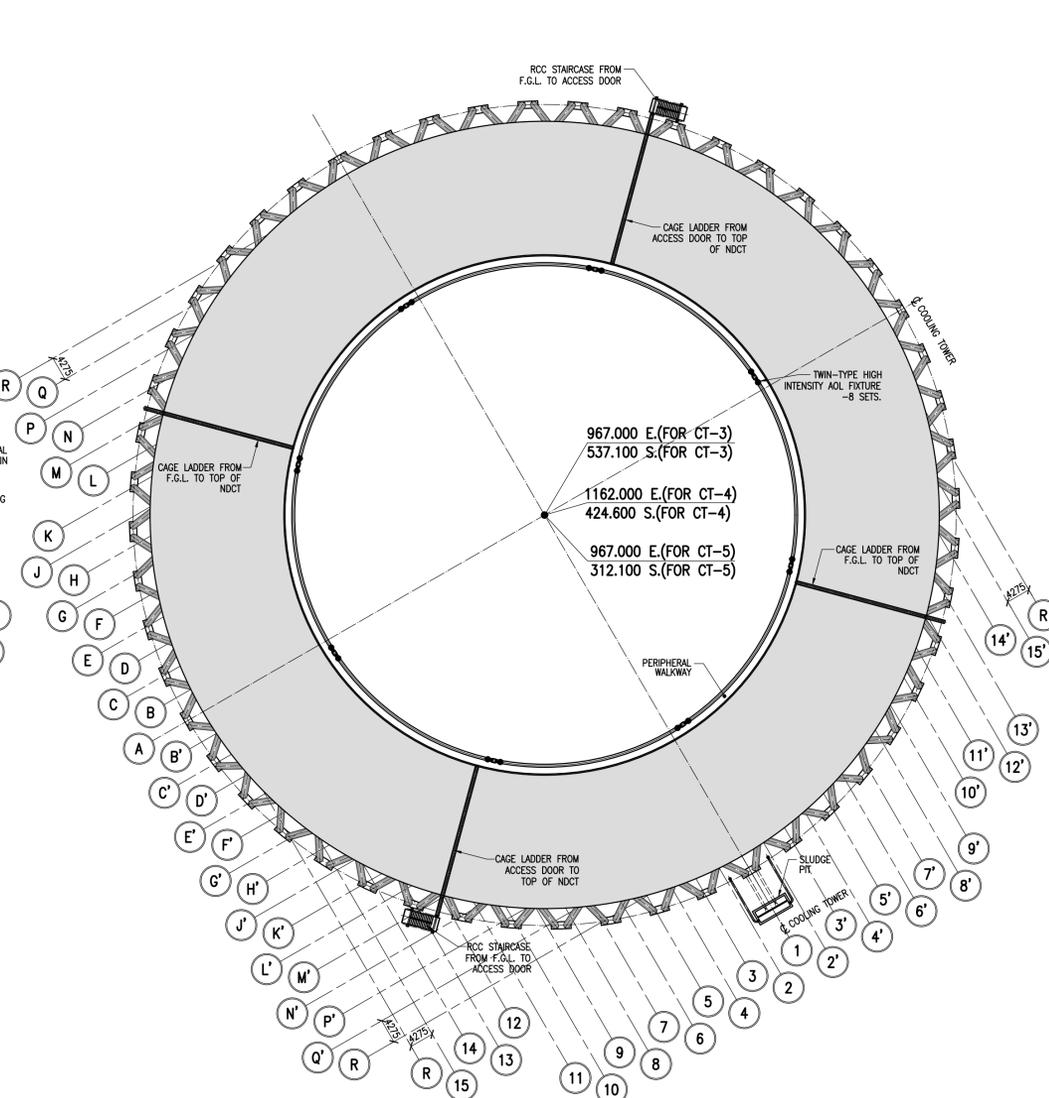
- NOTES:**
1. ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METER UNLESS OTHERWISE SPECIFIED.
 2. DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
 3. THIS SHEET SHOULD BE READ IN CONJUNCTION WITH SHEETS 1,2,4,5 & 6 OF THIS DRAWING.



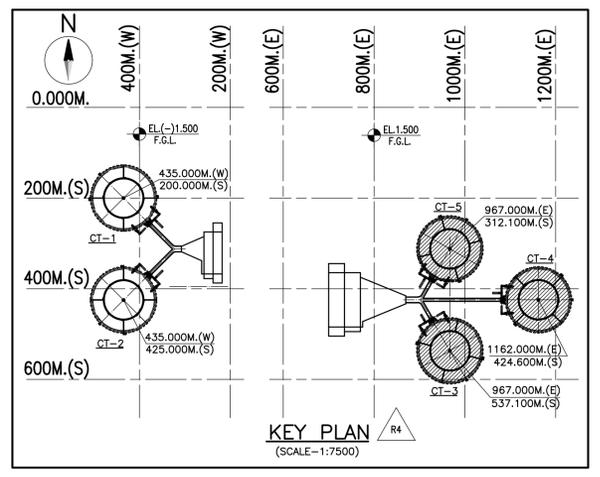
R4	06/03/21	HEADER & RISER PIPES LAYOUT REVISED	YCT	CUSTOMER	EPC CONTRACTOR	NDCT CONSULTANT	DRAWN BY :	SHM	TITLE	GENERAL ARRANGEMENT OF NATURAL DRAUGHT COOLING TOWER (STAGE#1)	
R3	22/01/20	BASED ON TCE COMMENTS DI. 22/01/19	KAC	TELANGANA STATE POWER GENERATION CORPORATION LTD TELANGANA INDIA	BHARAT HEAVY ELECTRICALS LIMITED	SPECTRUM Techno Consultants Pvt Ltd 401, Raikar Bhavan, Plot No. 9, Sector-17, Vashi, Navi Mumbai 400 705 India. Email : info@spectrumworld.net	CHECKED BY :	UNB	STCPL DRG.NO.	760-E-DD-101	
R2	01/12/18	BASED ON TCE & TSGENCO COMMENTS DI. 22/11/18	SCJ				CONSULTANT	TATA CONSULTING ENGINEERS LIMITED BANGALORE INDIA	APPROVED BY :	UKR	BHEL DRG.NO.
R1	10/08/18	BASED ON TCE COMMENTS DI. 03/08/18	CDS				DATE :	06/03/2021	(SHEET 3 OF 6)	REV.NO.	R4
0	26/06/18	FOR APPROVAL	SHM				SCALE :	AS SHOWN	THIS DRAWING IS THE PROPERTY OF SPECTRUM Techno Consultants Pvt Ltd IT IS SUBJECT TO THEIR RECALL, AND MUST NOT BE LENT, COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.		
		DESCRIPTION	DRAWN						SHEET SIZE : A2		



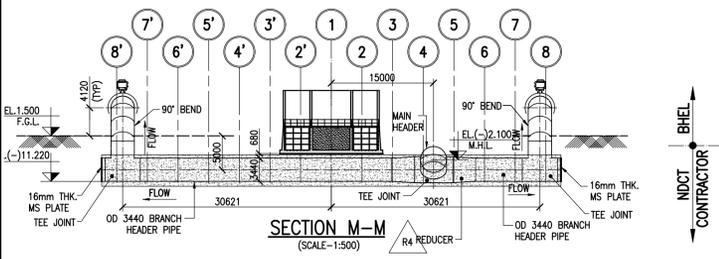
PLAN AT EL.18.100M OF CT-3 (SCALE-1:600)



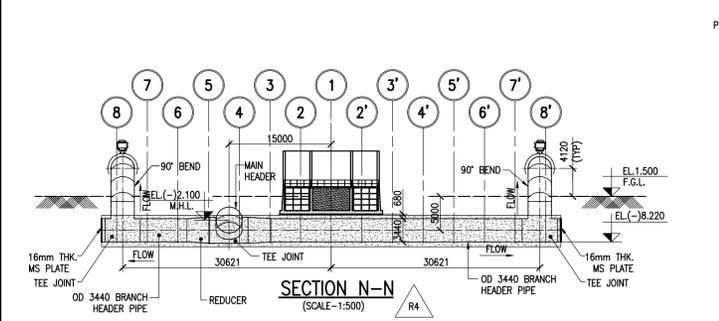
PLAN AT EL.201.090M OF CT-3, CT-4 & CT-5 (SCALE-1:600)



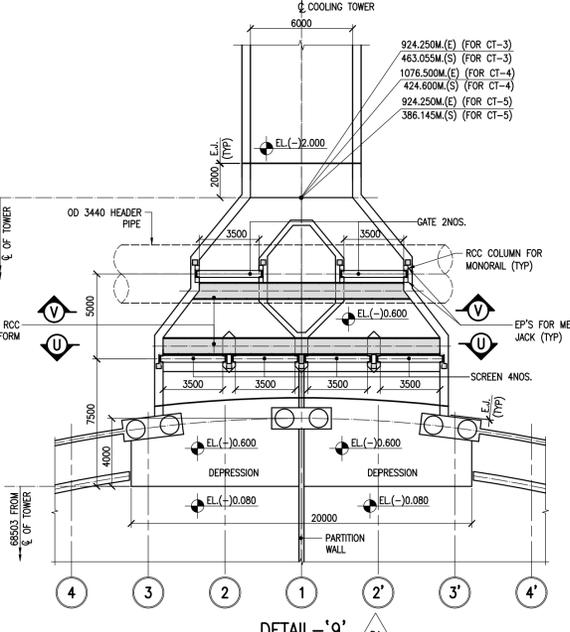
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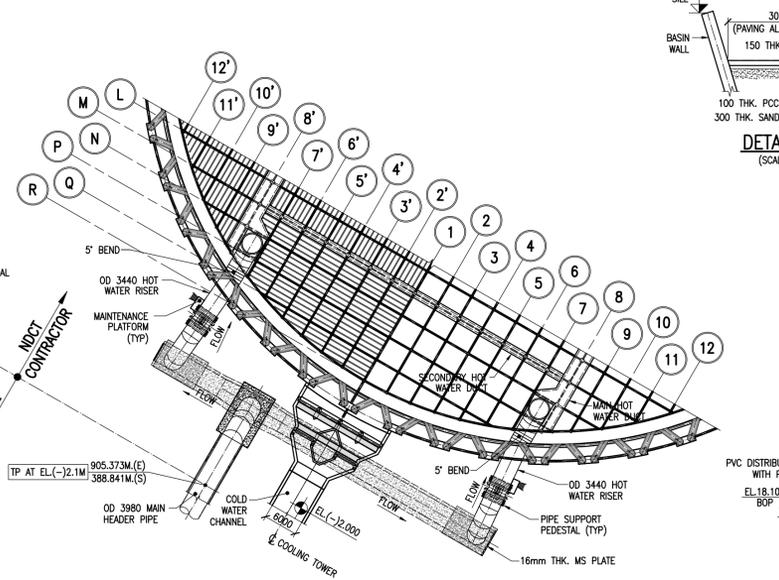
SECTION M-M (SCALE-1:500)



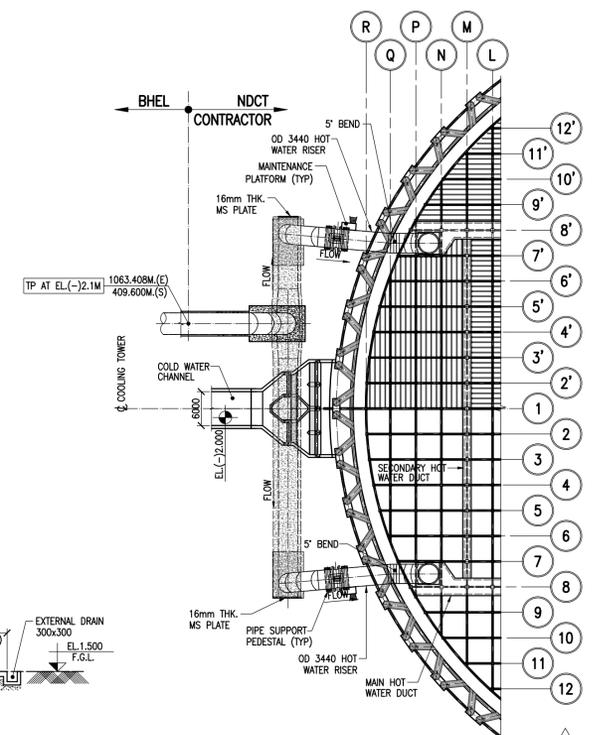
SECTION N-N (SCALE-1:500)



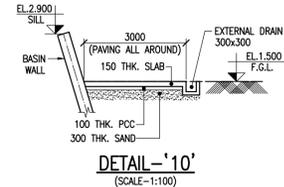
DETAIL -9 (SCALE-1:200)



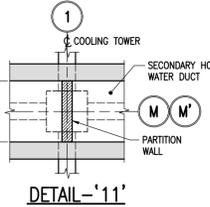
PART PLAN AT EL.18.100M OF CT-5 (SCALE-1:600)



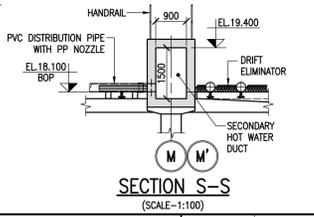
PART PLAN AT EL.18.100M OF CT-4 (SCALE-1:600)



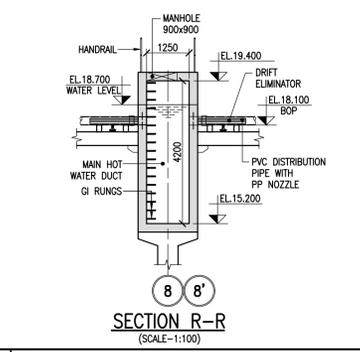
DETAIL -10 (SCALE-1:100)



DETAIL -11 (SCALE-1:50)



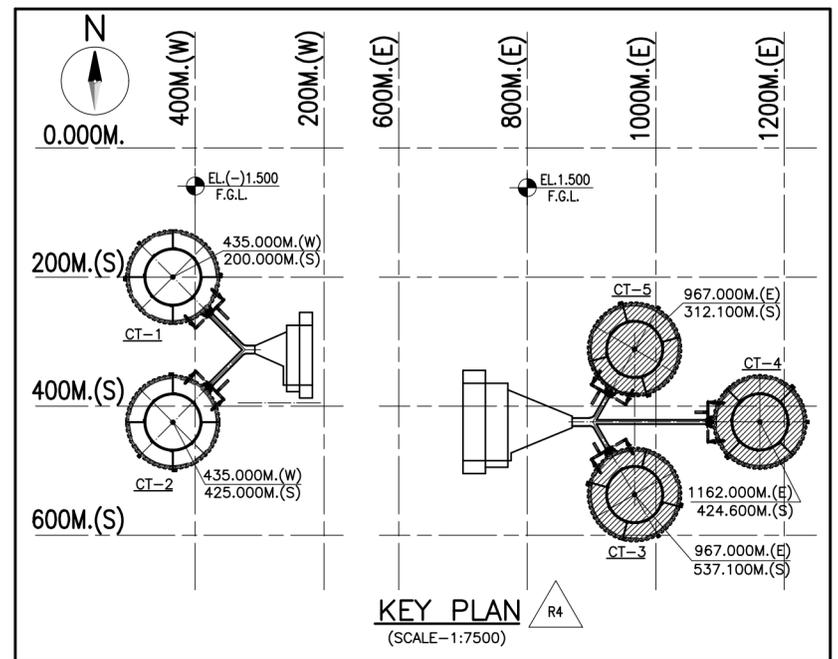
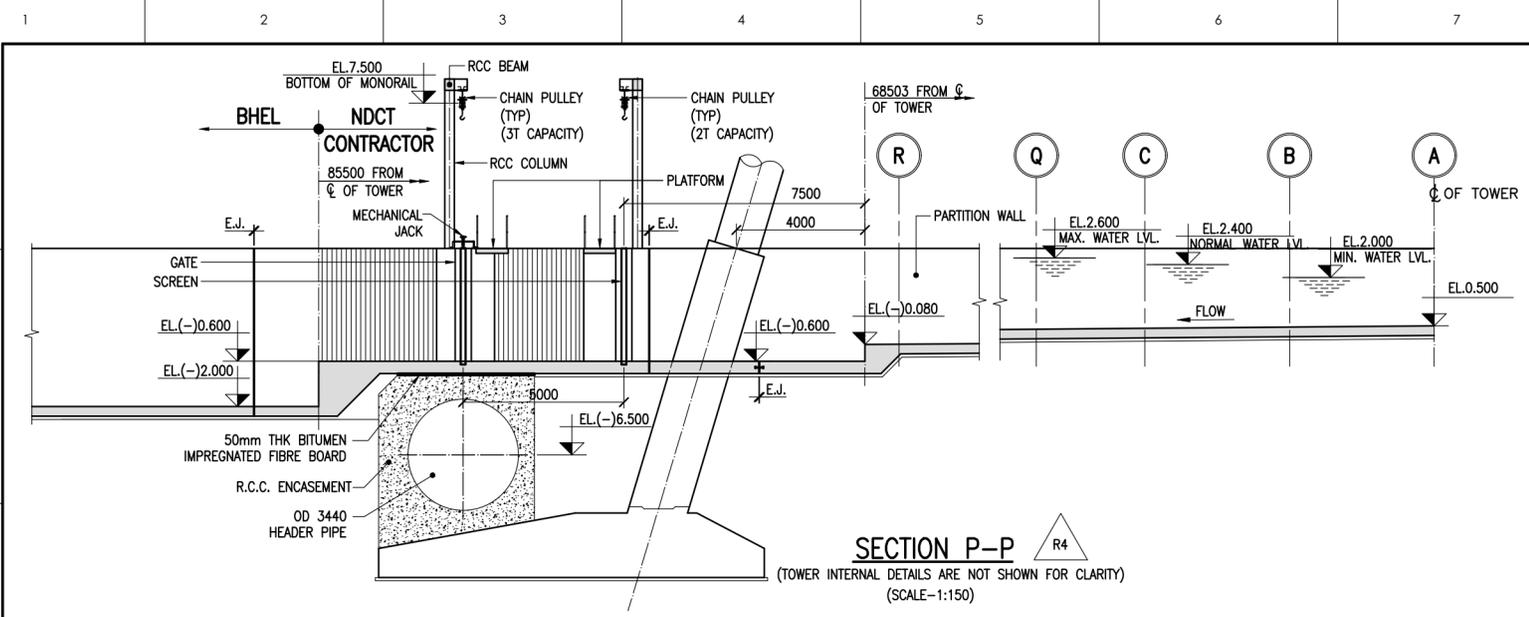
SECTION S-S (SCALE-1:100)



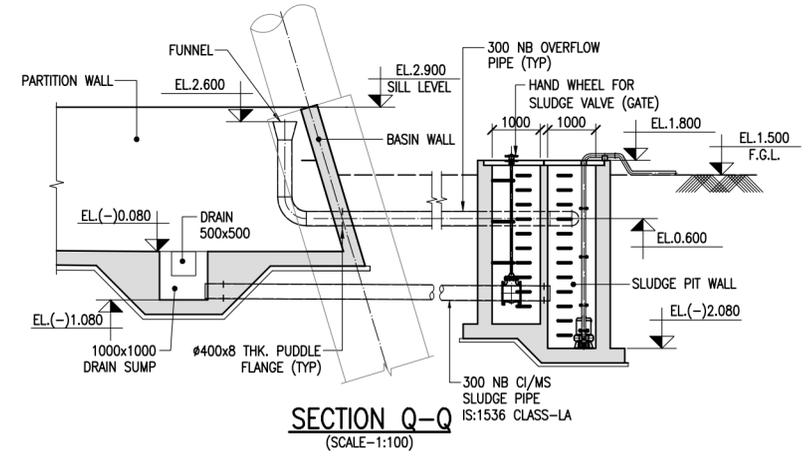
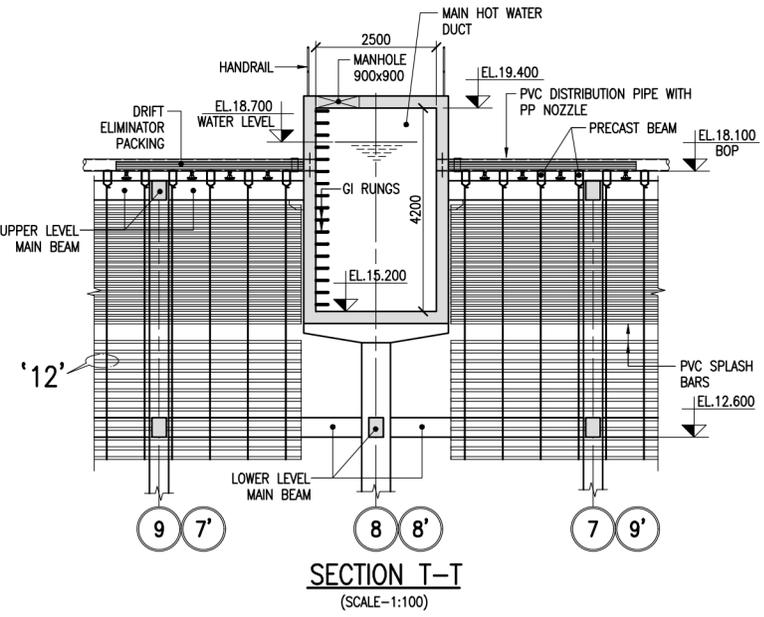
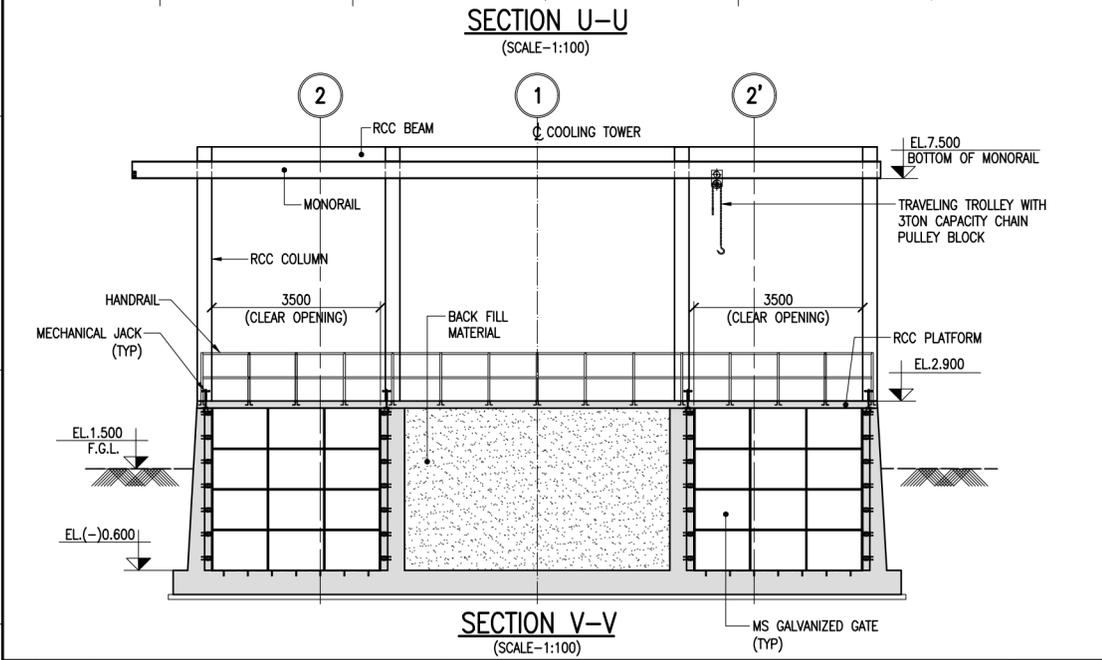
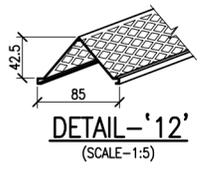
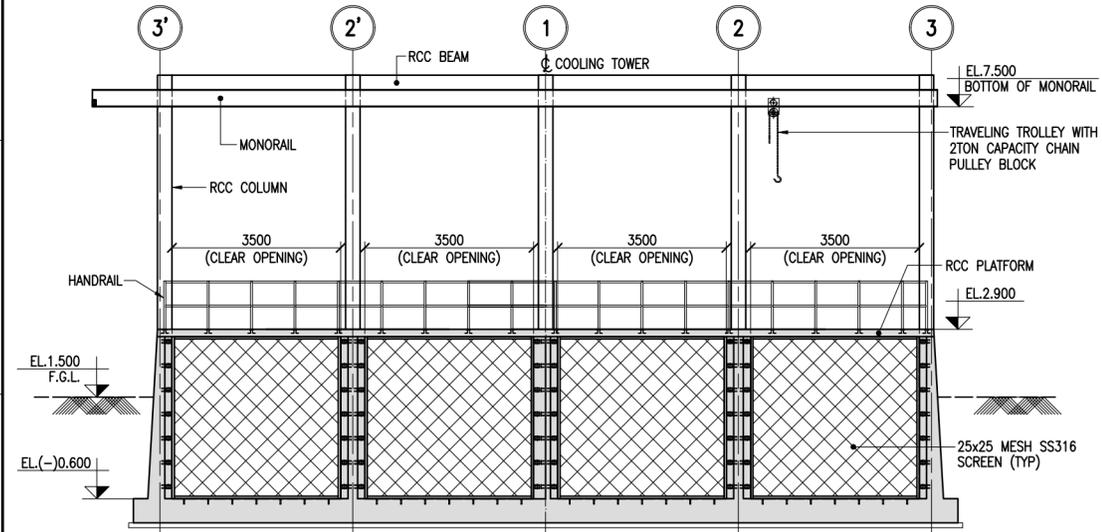
SECTION R-R (SCALE-1:100)

FILE NAME : T:\CT\OFFICE\CT\YADRI\NDCT\THEODORA\REV\760-DD-101.R4.dwg

R4 06/03/20 HEADER & RISER PIPES LAYOUT REVISED YCT R3 22/01/20 BASED ON TCE COMMENTS DI. 22/01/19 KAC R2 01/12/18 BASED ON TCE & TSGENCO COMMENTS DI. 22/11/18 SCJ R1 10/08/18 BASED ON TCE COMMENTS DI. 03/08/18 CDS 0 26/06/18 FOR APPROVAL SHM REV/NO. DATE DESCRIPTION DRAWN	CUSTOMER TELANGANA STATE POWER GENERATION CORPORATION LTD TELANGANA INDIA CONSULTANT TATA CONSULTING ENGINEERS LIMITED BANGALORE INDIA	EPC CONTRACTOR BHARAT HEAVY ELECTRICALS LIMITED	NDCT CONSULTANT SPECTRUM Techno Consultants Pvt Ltd New Mumbai - India. PROJECT 5x800 MW YADRI THERMAL POWER STATION	DRAWN BY : SHM CHECKED BY : UNB APPROVED BY : UKR DATE : 06/03/2021 SCALE : AS SHOWN	TITLE GENERAL ARRANGEMENT OF NATURAL DRAUGHT COOLING TOWER (STAGE#2) STICPL DRG.NO. 760-E-DD-101 DRG.NO. PE-V1-417-165-N001 (SHEET 5 OF 6) THIS DRAWING IS THE PROPERTY OF SPECTRUM Techno Consultants Pvt Ltd & IS SUBJECT TO THEIR RECALL, AND MUST NOT BE REPRODUCED OR COPIED WITHOUT THEIR WRITTEN PERMISSION.	REV.NO. R4 SHEET SIZE : A1
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REV. NO.	DATE	DESCRIPTION	DRAWN
R4	06/03/21	HEADER & RISER PIPES LAYOUT REVISED	YCT
R3	22/01/20	BASED ON TCE COMMENTS DI. 22/01/19	KAC
R2	01/12/18	BASED ON TCE & TSGENCO COMMENTS DI. 22/11/18	SCJ
R1	10/08/18	BASED ON TCE COMMENTS DI. 03/08/18	CDS
0	26/06/18	FOR APPROVAL	SHM

CUSTOMER	CONSULTANT
 TELANGANA STATE POWER GENERATION CORPORATION LTD TELANGANA INDIA	 TATA CONSULTING ENGINEERS LIMITED BANGALORE INDIA

EPC CONTRACTOR
 BHARAT HEAVY ELECTRICALS LIMITED

NDCT CONSULTANT
 SPECTRUM Techno Consultants Pvt Ltd 401, Raikar Bhavan, Plot No. 9, Sector-17, Vashi, Navi Mumbai 400 705 India. Email : info@spectrumworld.net

DRAWN BY :	CHECKED BY :	APPROVED BY :	DATE :	SCALE :
SHM	UNB	UKR	22/01/2020	AS SHOWN

TITLE	STCPL DRG.NO.	REV.NO.
GENERAL ARRANGEMENT OF NATURAL DRAUGHT COOLING TOWER (STAGE#2)	760-E-DD-101	R3
BHEL DRG.NO.	PE-V1-417-165-N001 (SHEET 6 OF 6)	

FILE NAME : T:\CY\OFFICE\YCT\760-YADADRI\NDCT\JITHENDRA.SIR\760-E-DD-101-R4.dwg