



Bharat Heavy Electricals Limited

(A Govt. Of India Undertaking)

Power Sector, Eastern Region

BHEL BHAWAN, PLOT NO. DJ-9/1 , SECOTR II ,

SALT LAKE CITY , KOLKATA , WEST BENGAL, INDIA

Phone : 033-23398220,033-23211690 FAX : 033-23211960

TENDER CHANGE NOTICE

Sub	TENDER CHANGE NOTICE: TCN-03 dtd. 06/08/2021
Job	Supply of Cladding sheets & Deck sheets at 1 X 250 MW NSPCL Rourkela PP-II Expansion project".
Ref	(i) TENDER NO : PSER:PUR:PMX:374(VIII):020 (ENQ:21:PP:0015:PUR:22) Date:27/07/2021
	(ii) TCN-01 dtd. 02/08/2021
	(iii) TCN-02 dtd. 05/08/2021

With reference to above, following clarifications, relevant to tender, may please be noted and complied with while submitting the offer.

- 1) Clarification to bidder's query as per attached Annexure-A.
- 2) Drawings issued vide Annexure of TCN-01 stands deleted. Bidders are requested to refer the drawings attached with Annexure-A of current TCN-03.
- 3) Revised 'No deviation certificate' is attached. Bidder to submit their offer along with stamped & signed copy of this TCN & 'No deviation certificate' as per attached format only.
- 4) All other terms & conditions shall remain unchanged.

Thanking you,

Yours faithfully,
for BHARAT HEAVY ELECTRICALS LTD.

DY. MGR (PURCHASE)

Encl: As above.

(Signature, date & seal of authorized representative of the contractor)

NO DEVIATION CERTIFICATE
(TO BE SUBMITTED IN BIDDER'S LETTERHEAD)

To,
BHARAT HEAVY ELECTRICALS LIMITED,
Power Sector - Eastern Region,
Plot no 9/1, DJ Block, Sector – II, Salt Lake City,
Kolkata – 700 091

Sub	No Deviation Certificate.	
Job	“Supply of Cladding sheets & Deck sheets at 1 X 250 MW NSPCL Rourkela PP-II Expansion project”.	
Ref	1.0	PSER:PUR:PMX:374(VIII):020 (ENQ:21:PP:0015:PUR:22) Date:27/07/2021and TCN-01 DATED 02/08/2021
	2.0	(i) TCN-01 dtd. 02/08/2021 (ii) TCN-02 dtd. 05/08/2021 & (iii) TCN-03 dtd 06/08/2021
	3.0	Other references (if any).

Dear Sir/Madam,

With reference to above, this is to confirm that as per tender conditions, we have visited site before submission of our offer and noted the job content & site conditions etc. We also confirm that we have not changed/ modified the tender documents as appeared in the website/ issued by you and in case of such observance at any stage, it shall be treated as null and void.

We hereby confirm that we have not taken any deviation from tender clauses together with other references as enumerated in the above referred NIT. We hereby confirm our unqualified acceptance to all terms & conditions, unqualified compliance to technical specification, integrity pact (if applicable) and acceptance to reverse auctioning process.

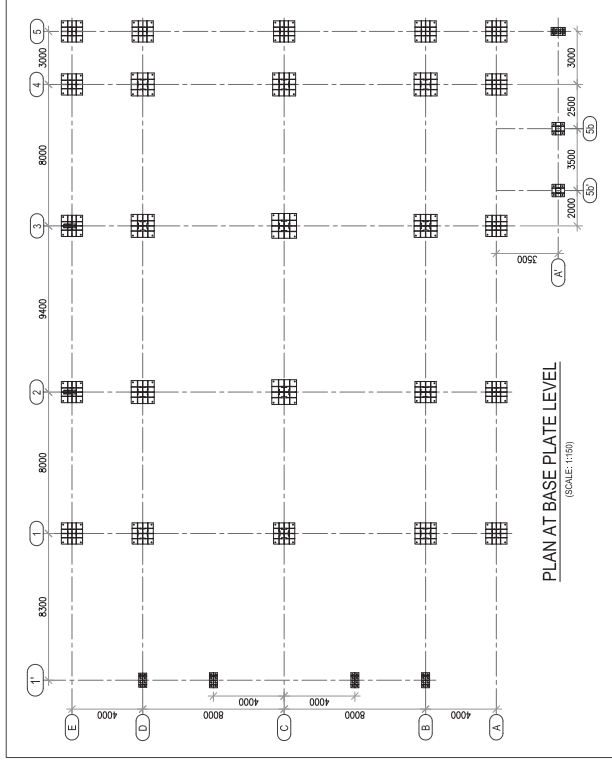
In the event of observance of any deviation in any part of our offer at a later date whether implicit or explicit, the deviations shall stand null & void. We confirm to have submitted/uploaded offer/documents in accordance with tender instructions with acceptance of the terms & conditions of the tender by us and as per aforesaid references.

Thanking you,

Yours faithfully,

(Signature, date & seal of authorized
representative of the bidder)

ANNEXURE-A TO TCN-03				
JOB : Supply of Cladding Sheets & Deck Sheets at 1 x 250 MW NSPCL Rourkela PP-II Expansion Project				
TENDER NO : PSER:PUR:PMX:374(VIII):020 (ENQ:21:PP:0015:PUR:22) Date:27/07/2021				
Sl. No.	Reference clause of tender document	Existing Provision	Bidder's query	BHEL's Clarification
1	As per BOQ Various points SCC- Page 7-9. A1503S,1504S, B1504S, A1506	Rate should be inclusive of flashing etc.	As per TCN 01 , we received drawings from where the quantity of sheeting is derived as 5,000 M2 (approx.). However, as per the scope of the tender, the quantity is much higher. As such, we request you to provide us the balance drawings. Please note that since we have to quote on laid area basis including Flashing, we either need the drawings or you confirm us the quantity of Flashing. You will definitely not expect that without documents it is possible to quote for quantity on thumb rule basis.	Please note, drawing furnished vide TCN-01 is only indicative for tendering pupose. However, based on your request, we are furnishing additional drawings for your reference which are only indicative for tendering purpose. In this regard, drawings furnished vide TCN-01 may be deleted.



PLAN AT BASE PLATE LEVEL

(SCALE: 1:1)

NOTES

- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE TERMS, CONDITIONS, AND SPECIFICATIONS OF THE CONTRACT.
2. THE MINIMUM ALLOWABLE TENSILE STRENGTH OF POWER HOUSE BUILDING STEEL SHALL BE 42,000 PSI. THE MINIMUM ALLOWABLE YIELD STRENGTH OF POWER HOUSE BUILDING STEEL SHALL BE 36,000 PSI.
3. THE MINIMUM ALLOWABLE TENSILE STRENGTH OF STRUCTURAL STEEL SHALL BE 42,000 PSI. THE MINIMUM ALLOWABLE YIELD STRENGTH OF STRUCTURAL STEEL SHALL BE 36,000 PSI.
4. ALL WELDS SHALL BE MINIMUM 8 THK UN OTHERWISE
5. THE INTERMEDIATE STIFFENER PLATE SHALL BE PROVIDED FOR COLUMNS
6. A SPACING OF 1.5d c/c. HOWEVER THESE STIFFENERS SHALL BE SHIFTED
7. MARGINALLY TO ACCOMMODATE FLOOR BEAMS.
8. ALL BRACINGS SHALL BE DONE AS PER STANDARD ERECTION PROCEDURES.

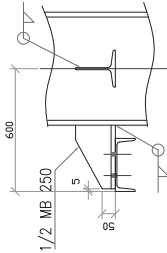
REFERENCE DRAWINGS

- CONSTRUCTION**
1. IS-4-CE-708-100-C003 - STANDARD NOTES & DETAILS FOR STRUCTURAL STEEL WORKS

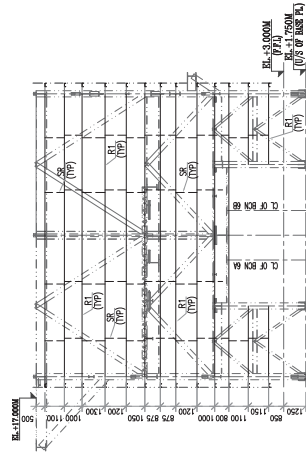
ENGINEERING

BHEL DWGS.

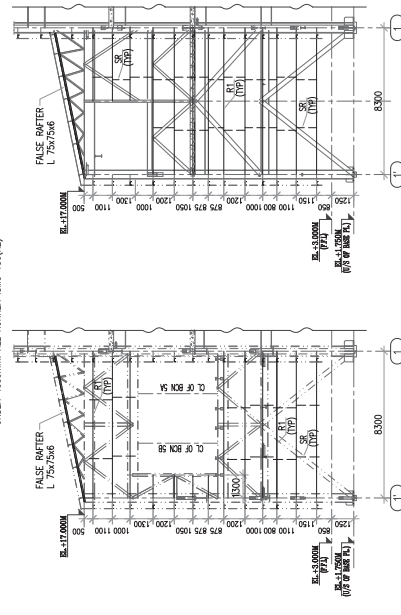
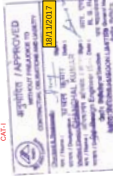
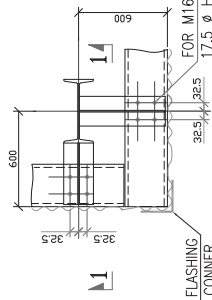
1. IS-1-GA-708-104-M030 GA OF CRUSHER HOUSE
2. IS-1-PL-708-100-M002 GENERAL PLANT LAYOUT OF COAL HOLDING SYSTEM
3. IS-1-RC-708-106-C049 CRUSHER HOUSE - RC DETAILS OF FOUNDATION
4. IS-1-GA-708-106-C045 CRUSHER HOUSE - GA DETAILS OF FLOORS



SECTION 1-1



PLAN OF RUNNER FIXING



GRID@D

(SCALE: 1:150)

- (ALL SAG ROD 16#)

GRID @ B

(SCALE: 1:150)

- (ALL SAG ROD 16#)

2

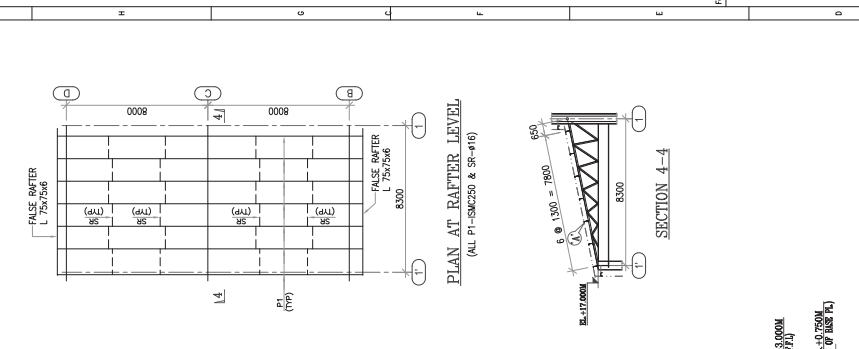
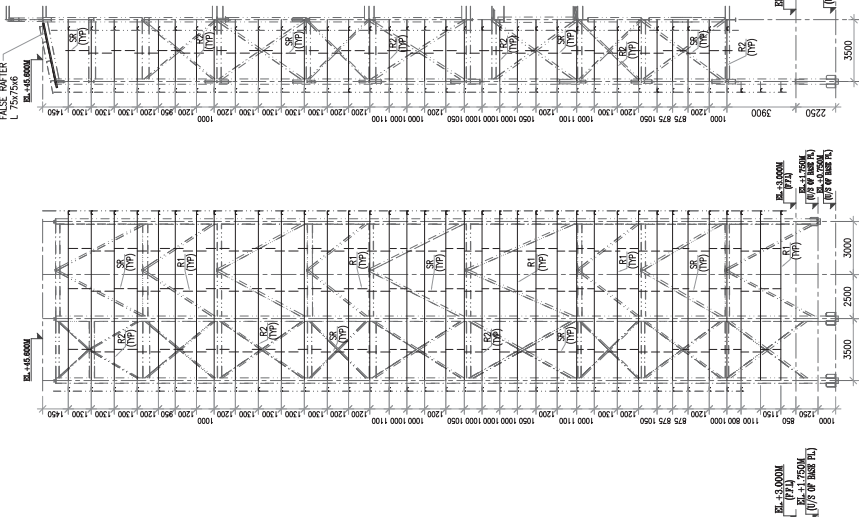
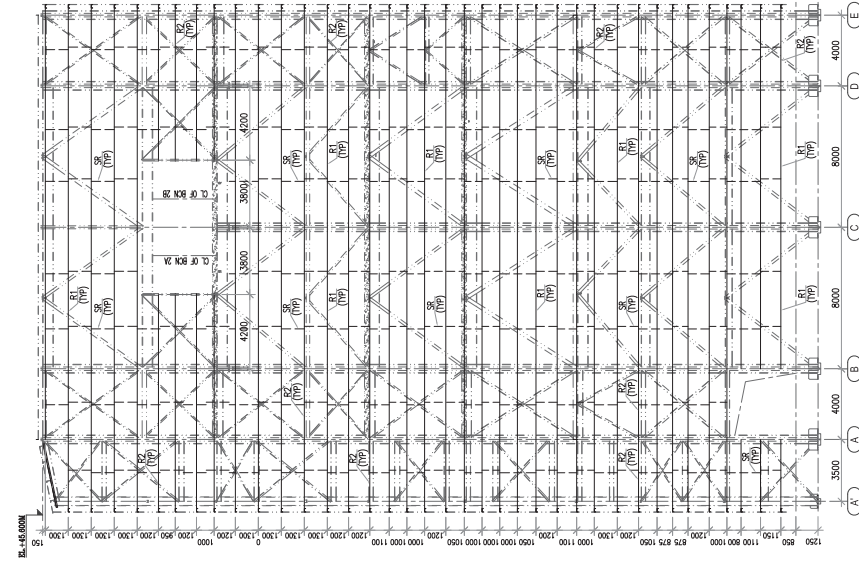
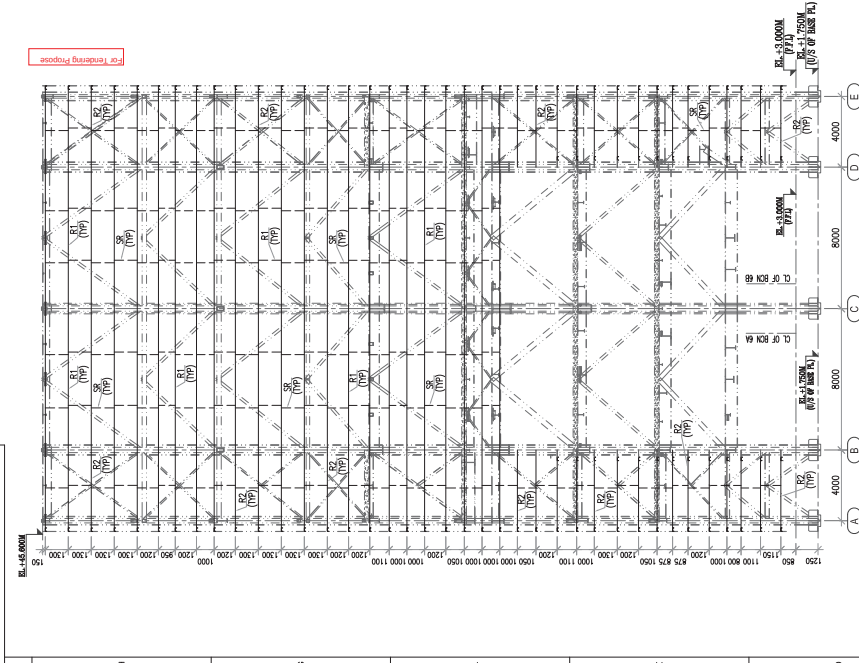
ID@1'

- (SCALE: 1:150)
(ALL SAG ROD 16#)
E 4000mm. ALL RUNNER ISMC 250(R1)

OWNER: 	NTPC-SAIL POWER COMPANY PVT. LTD.									
CONSULTANT: 	MECON LIMITED (मैकॉन लिमिटेड)									
PROJECT:	1X250 MW THERMAL POWER PLANT IN ROURKELA, ODISHA									
	BHARAT HEAVY ELECTRICALS LTD INDUSTRIAL SYSTEMS GROUP, BANGALORE									
	TITLE:		CRUSHER HOUSE: GA OF SIDE RUNNERS & PURKIN DETAILS							
	BHEL JOB NO.		03							
SCALE	BHEL-ISO DRG. NO.		REV. NO.							
	IS-1-GA-708-106-C047		0							
3			SIZE-A1							
		FORMAT SIZE A1								

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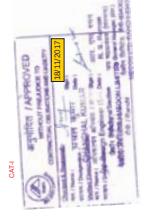
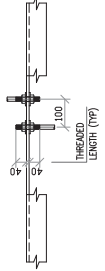
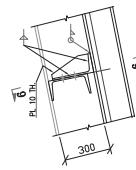
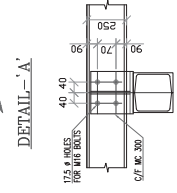
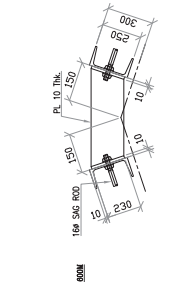
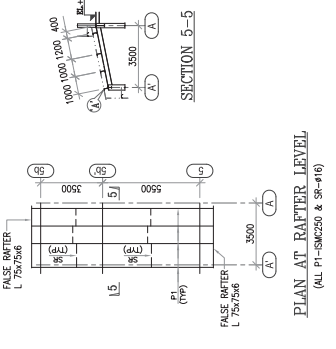
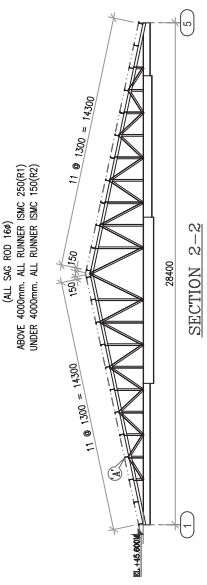
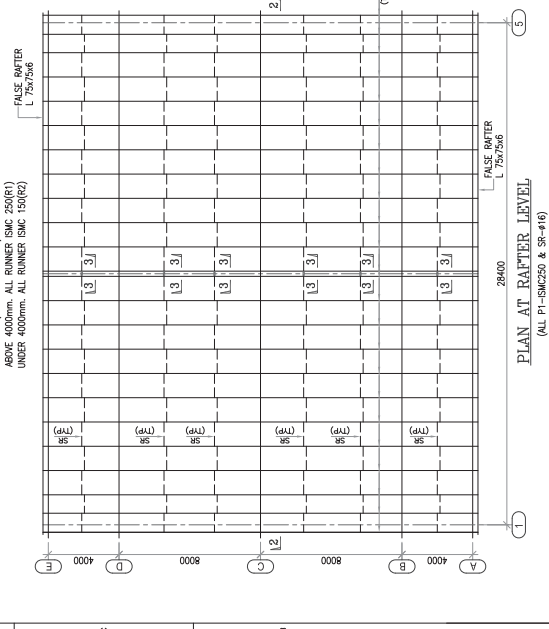


GRID @ 1
(SCALE: 1:150)
(ALL SAG ROD 16#)
ABOVE 400mm. ALL RUNNER ISMC 250(R1)
UNDER 400mm. ALL RUNNER ISMC 150(R2)

GRID @ 5
(SCALE: 1:150)
(ALL SAG ROD 16#)
ABOVE 400mm. ALL RUNNER ISMC 250(R1)
UNDER 400mm. ALL RUNNER ISMC 150(R2)

GRID @ A'
(SCALE: 1:150)
(ALL SAG ROD 16#)
ABOVE 400mm. ALL RUNNER ISMC 250(R1)
UNDER 400mm. ALL RUNNER ISMC 150(R2)

GRID @ 5'
(SCALE: 1:150)
(ALL SAG ROD 16#)
ABOVE 400mm. ALL RUNNER ISMC 250(R1)
UNDER 400mm. ALL RUNNER ISMC 150(R2)



NTPC-SAIL POWER COMPANY PVT. LTD.

MECON LIMITED
(मैकॉन लिमिटेड)

PROJECT : 1X250 MW THERMAL POWER PLANT IN
ROURKELA, ODISHA

BHARAT HEAVY ELECTRICALS LTD
INDUSTRIAL SYSTEMS GROUP,
BANGALORE

TITLE : CRUSHER HOUSE-GA OF SIDE RUNNERS &
PURLIN DETAILS

BHEL JOB NO. IS-1-GA-708-106-C047

REV.	NO.	REVISION	DATE	BY	CHKD.	APPD.	SCALE	BHEL JOB NO.	BHEL DSG. NO.	IS - 1-GA-708-106-C047
03	03									
02	02									
01	01									

OWNER: **NTPC-SAIL POWER COMPANY PVT. LTD.**

CONSULTANT: **MECON LIMITED**
(मकॉन लिमिटेड)

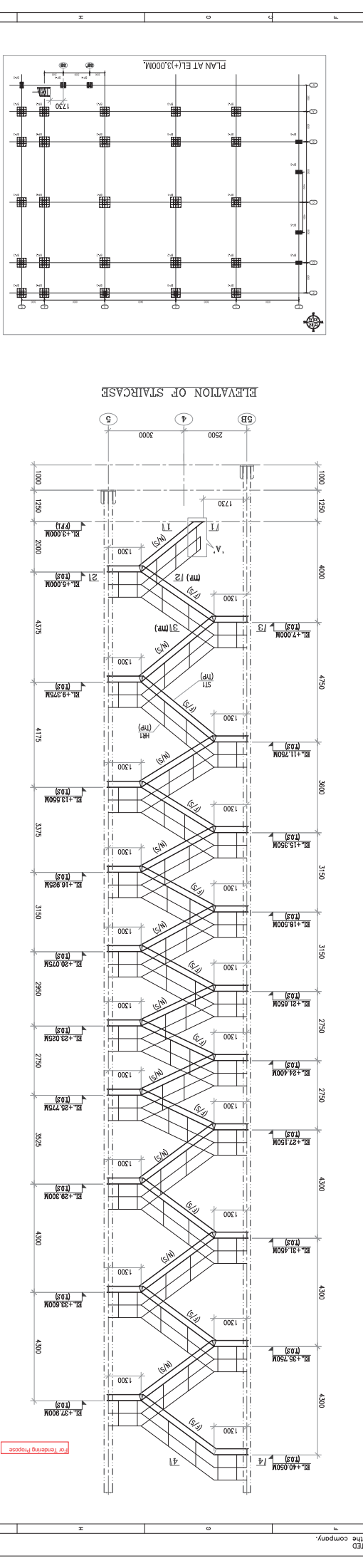
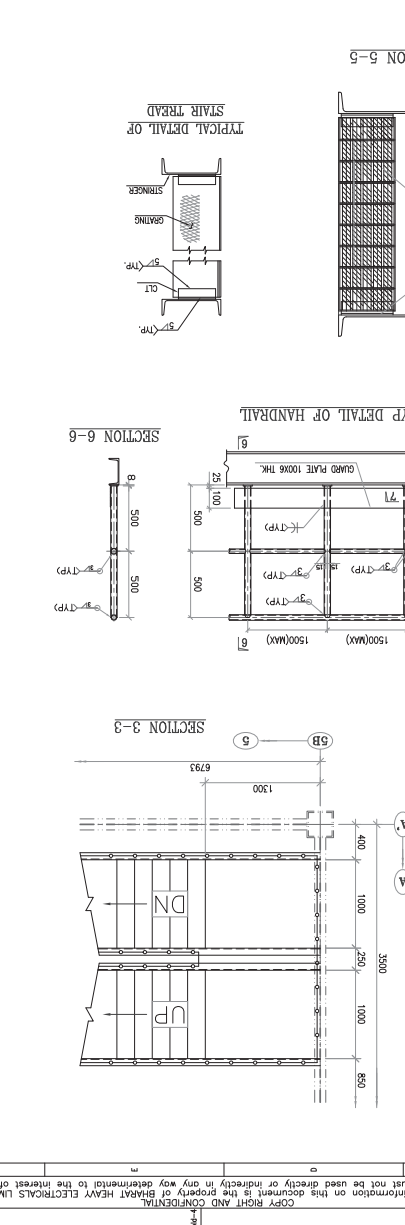
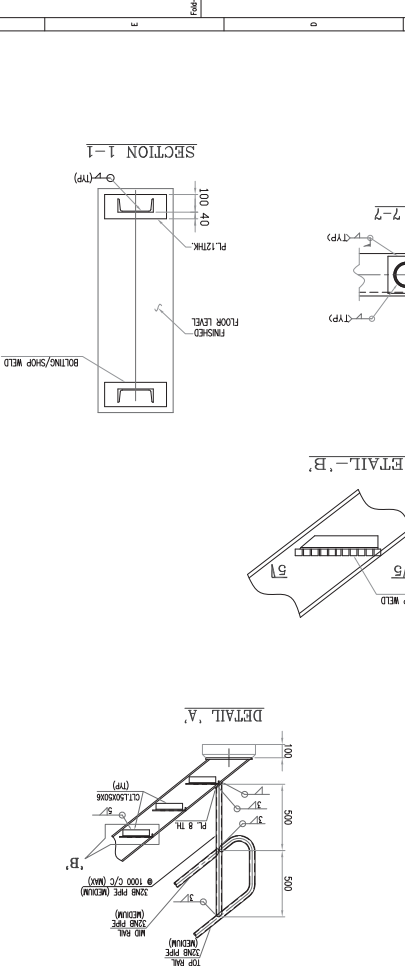
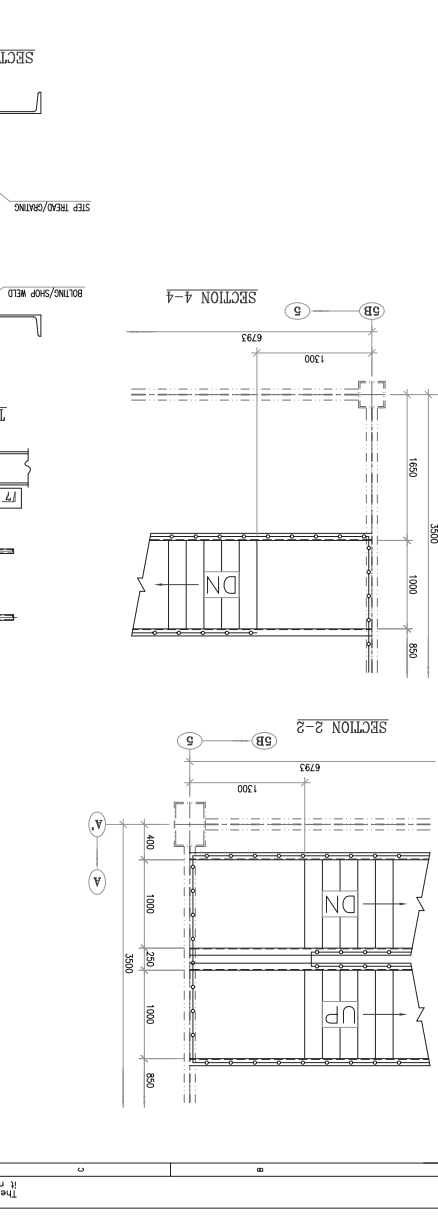
PROJECT: **1X250 MW THERMAL POWER PLANT IN ROURKELA, ODISHA**

CLIENT: **BIHARAT HEAVY ELECTRICALS LTD**
INDUSTRIAL SYSTEMS GROUP,
BANGALORE

TITLE: **CRUSHER HOUSE: GA OF SIDE RUNNERS, PURLIN DETAILS & STAIRCASE**

NO. OF SHEETS	DATE	SIGN	NAME	DRN.	DESN.	CHKD.	APPD.
03	10.11.2017		PRAGHAT				
02	10.11.2017		REDDY				
01	10.11.2017		SGC				

SL. NO.	MEMBER MARK	PROFILE	SECTION
1	GR1	① ISMC 250 ② 80x8THK. ③ 750 C/C	① GRATING
2	ST1	① ISMC 250 ② 80x8THK. ③ 750 C/C	① GRATING
3	HR1	① PIPE NB32(M) ② PIPE NB32(M) ③ PIPE NB32(M)	① PIPE NB32(M)



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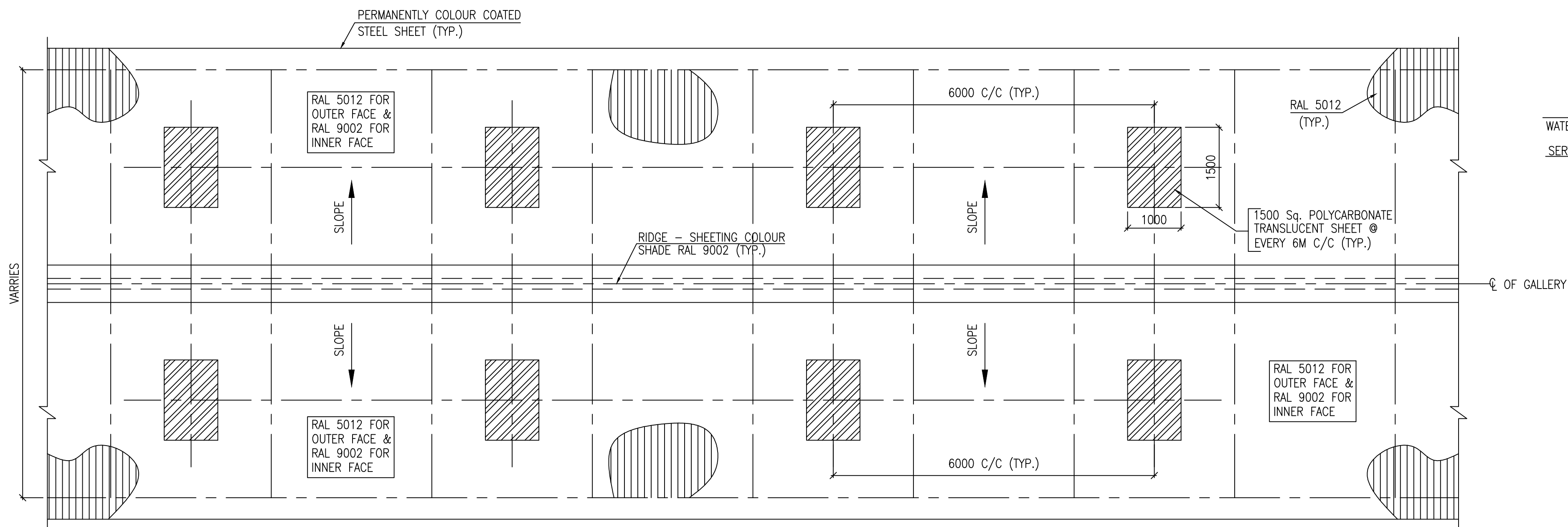
INVENTORY NO.
SIGN & DATE
REF.DWG.NO.

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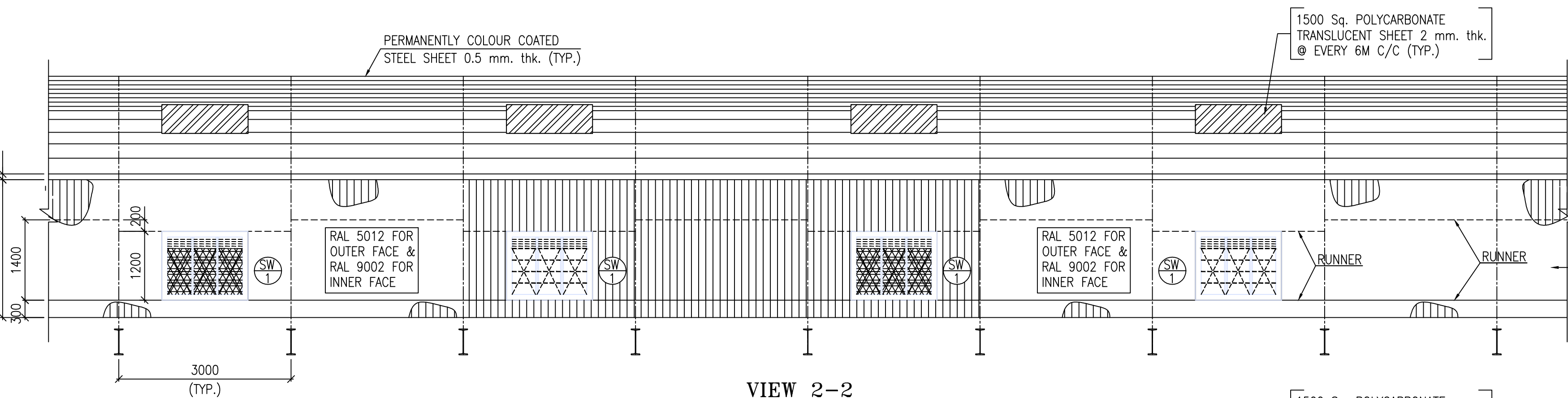
ALL DIMENSIONS ARE IN MM

IS-1-CE-708-100-C010
DRAWING NO.

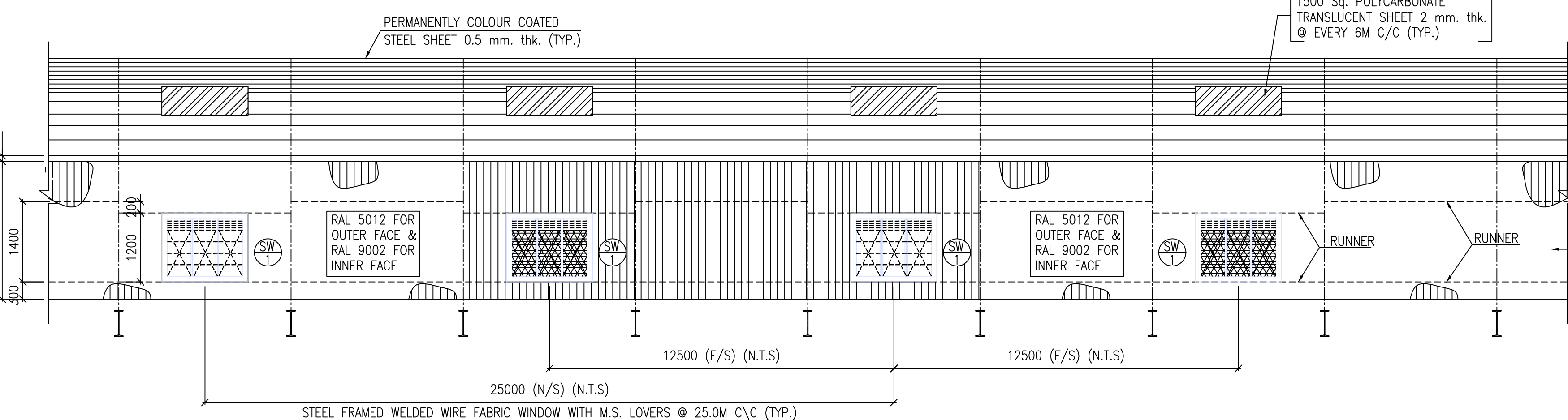
DO NOT SCALE. IF IN DOUBT, ASK.



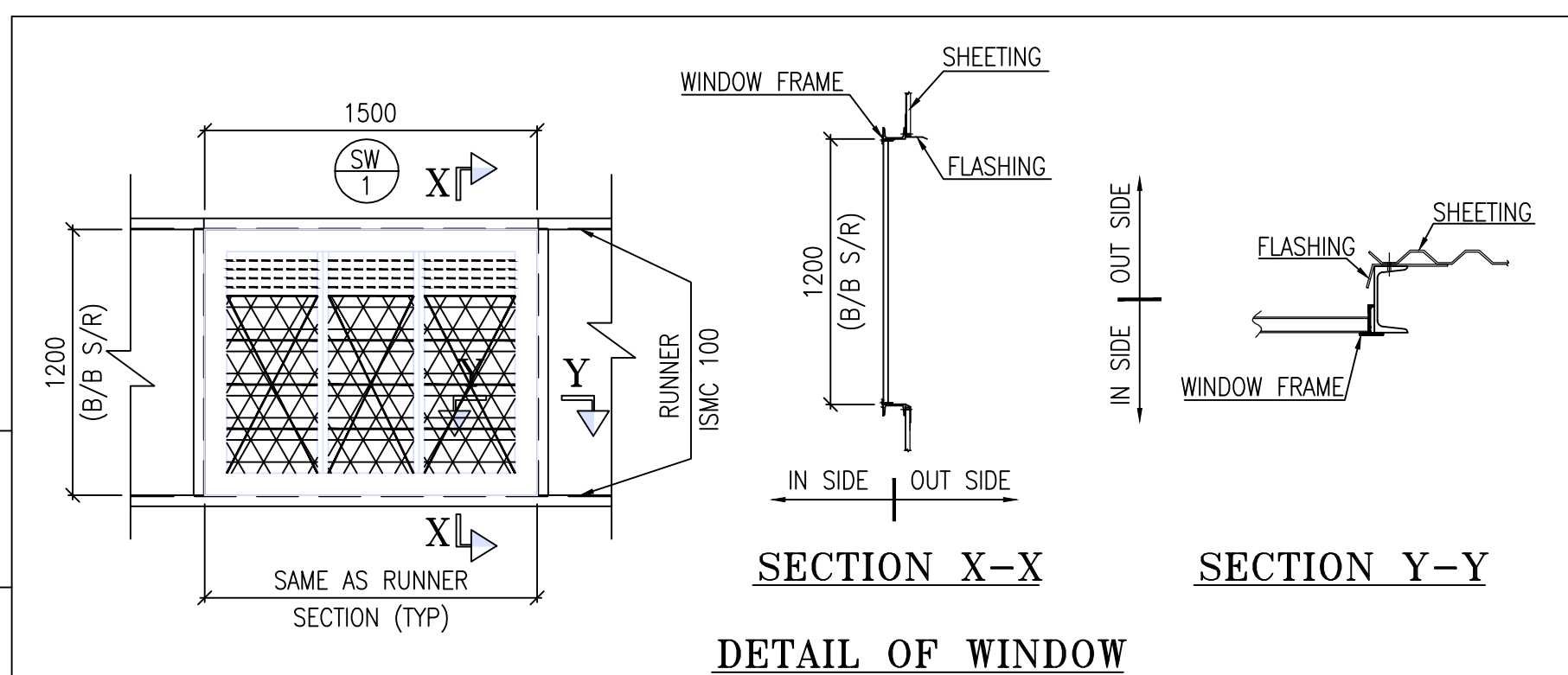
VIEW 1-1



VIEW 2-2



VIEW 3-3



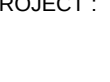
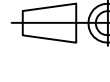
SECTION X-X

SECTION Y-Y

DETAIL OF WINDOW

FOR TENDER PURPOSE ONLY

3	08.02.18	REVISED AS PER THE COMMENTS	SRS	REDDY
2	09.01.17	REVISED AS PER THE COMMENTS	SRS	REDDY
1	15.12.17	REVISED AS PER THE COMMENTS	SRS	REDDY
DATE		BRIEF RECORD	DRN.	APP.

OWNER: NTPCL CONSULTANT: 		NTPC-SAIL POWER COMPANY PVT. LTD.					
PROJECT : 		MECON LIMITED (मकॉन लिमिटेड)					
		1X250 MW THERMAL POWER PLANT IN ROURKELA, ODISHA					
 Maharaja Company	BHARAT HEAVY ELECTRICALS LTD INDUSTRIAL SYSTEMS GROUP, BANGALORE		NAME	SIGN	DATE	NO. OF VAP	
	DRN.	SRS			19.07.2017		
	DESN.	SJS			19.07.2017		
	CHD.	PKRKG			20.07.2017		
	APP.	REDDY/SCC			20.07.2017		
TITLE : 		GENERAL DRAWINGS TYPICAL ARCHITECTURAL DETAILS FOR CONVEYOR GALLERIES			NO. OF SHEETS	2	
SCALE	BHEL JOB NO.	BHEL-ISC DRG. NO.:	IS-1-CE-708-100-C010			SHEET. NO.	REV 3
					1		

NOTES:-

- ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS ARE IN METRES
- STEEL DOORS, WINDOWS & VENTILATORS SHALL CONFORM TO IS:1361, IS:1038 & IS:4351
- WELDED STEEL WIRE FABRIC SHALL CONFORM TO IS:4948

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SIGN & DATE

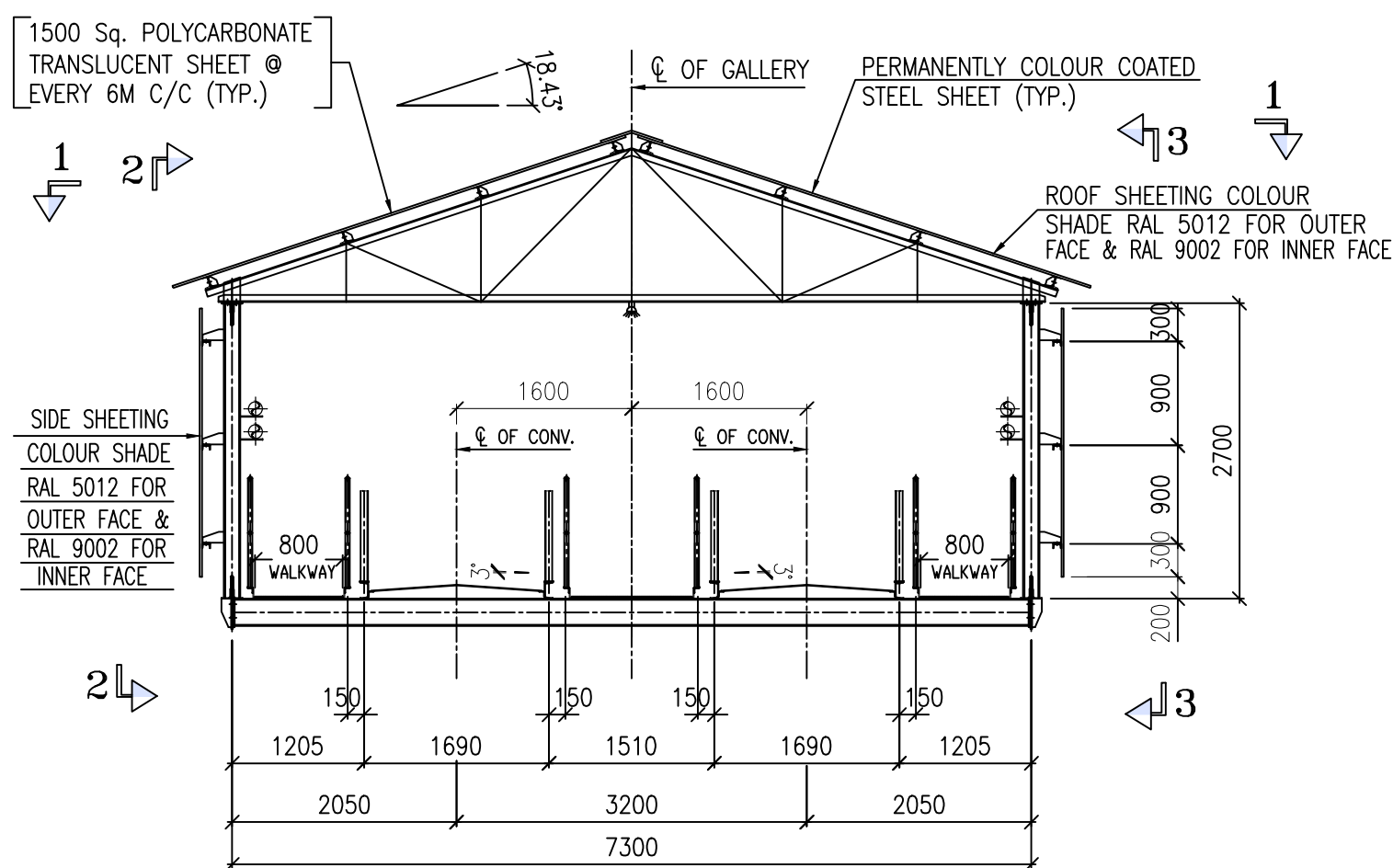
INVENTORY NO.

FORM-66.101

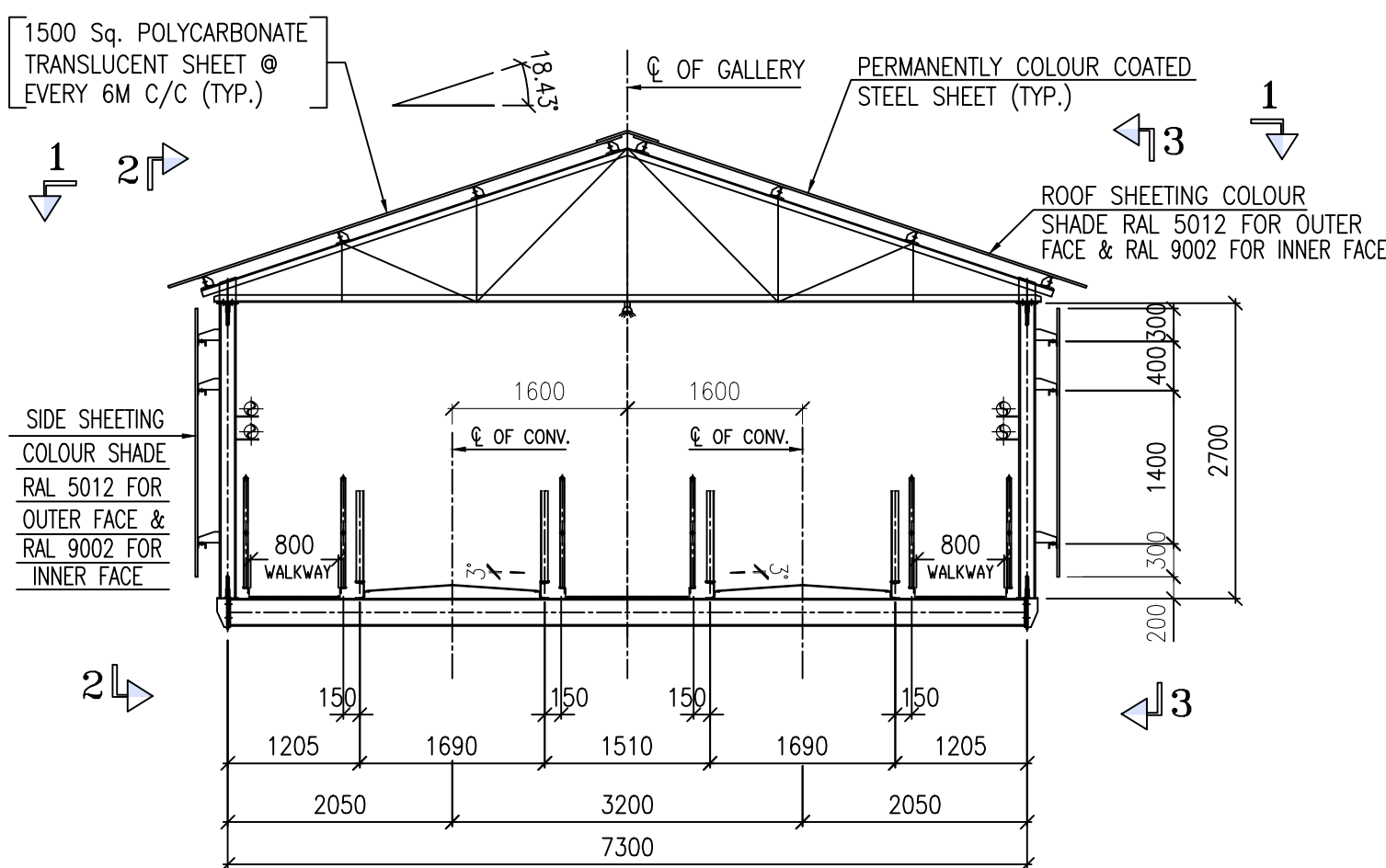
FIRST ANGLE PROJECTION

ALL DIMENSIONS ARE IN MM

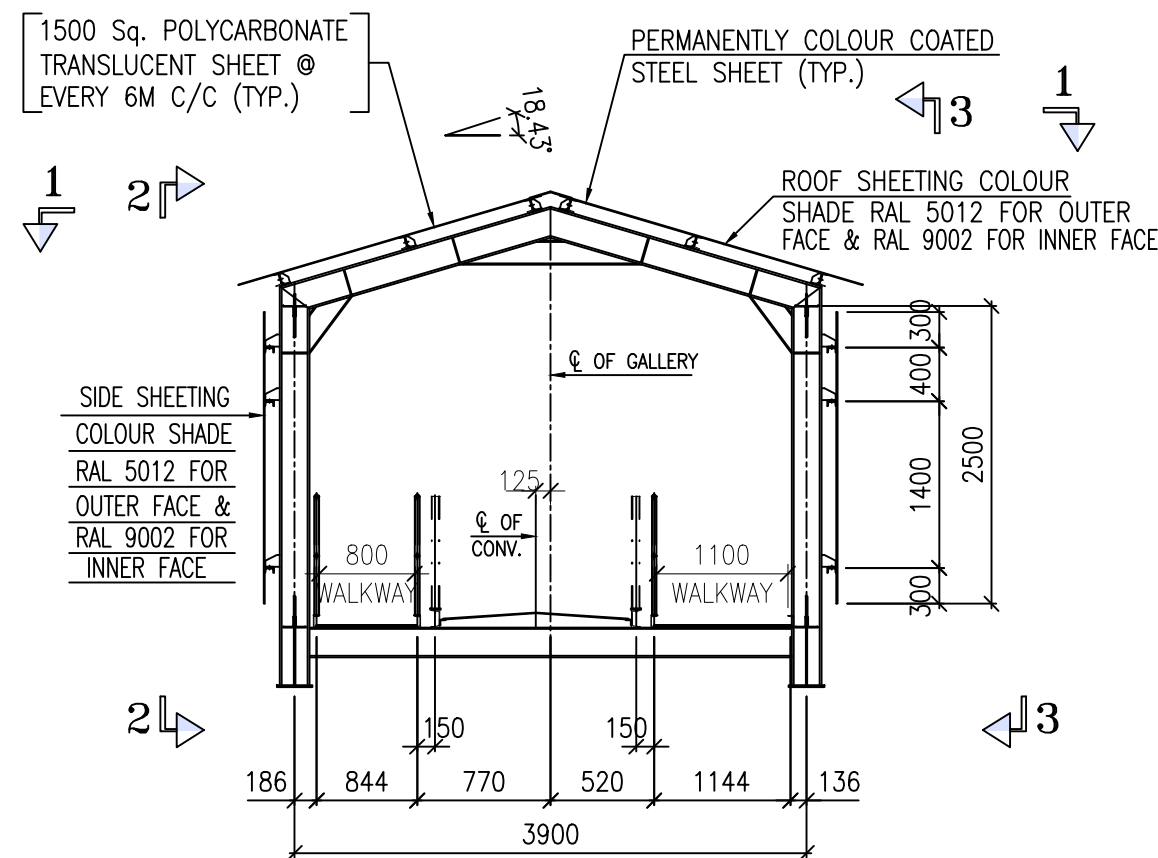
0103-001-802-BC-1-SI
ON 51Mx30M



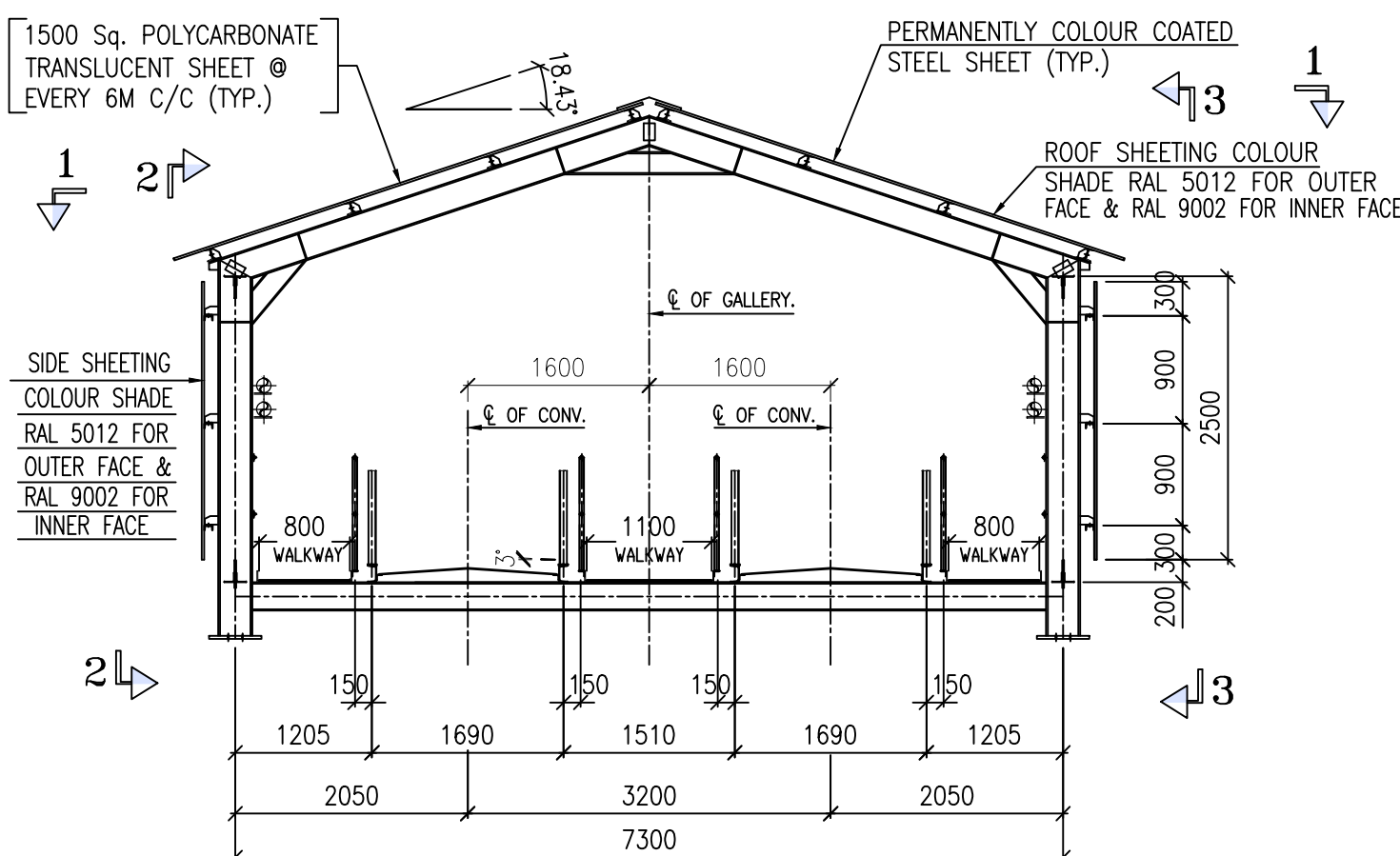
**TYPICAL INTERMEDIATE CROSS SECTION
DETAILS OF CONV. GALLERY**
(BCN-2A/B)



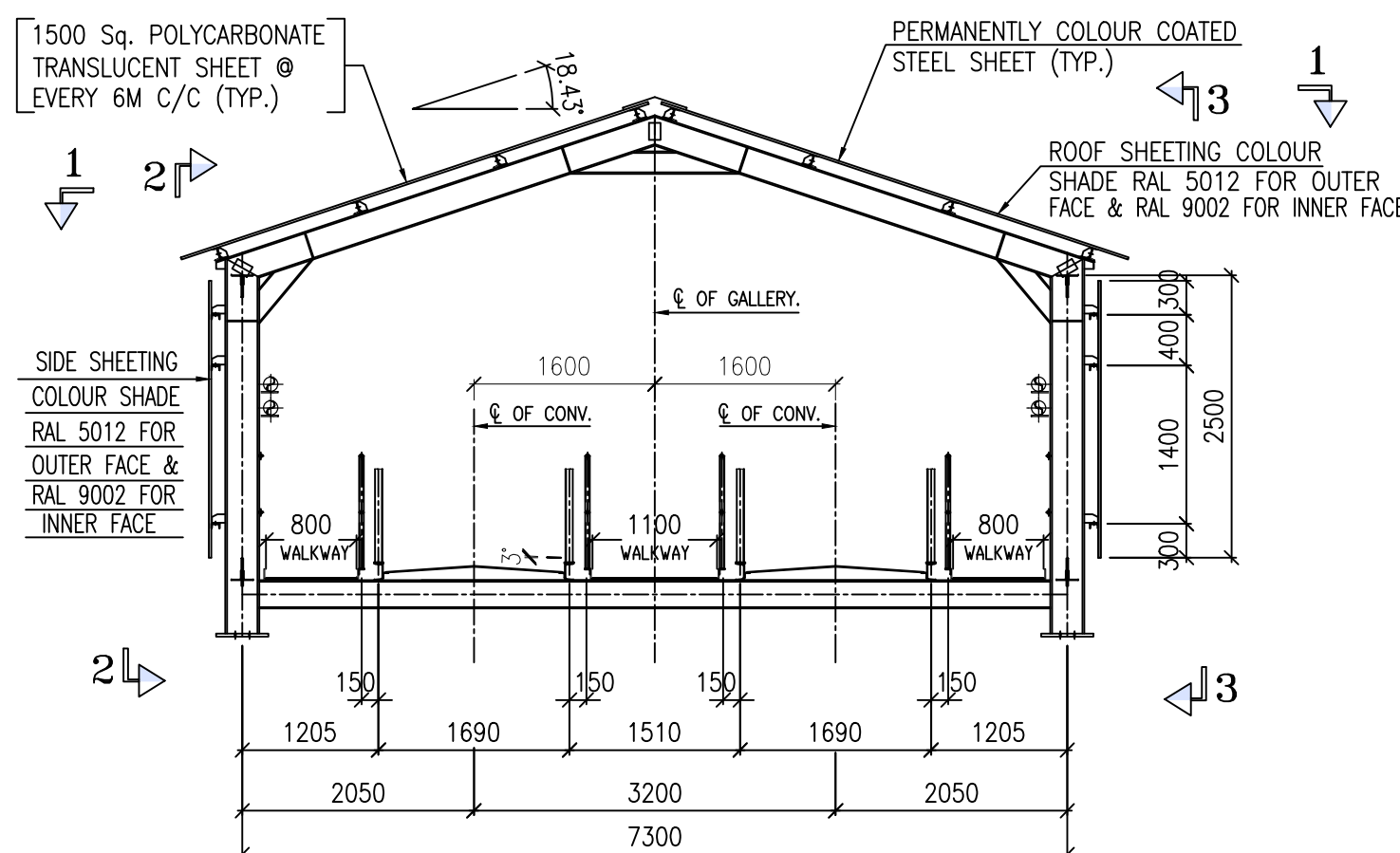
**TYPICAL INTERMEDIATE CROSS SECTION
DETAILS OF CONV. GALLERY**
(BCN-3A/B)



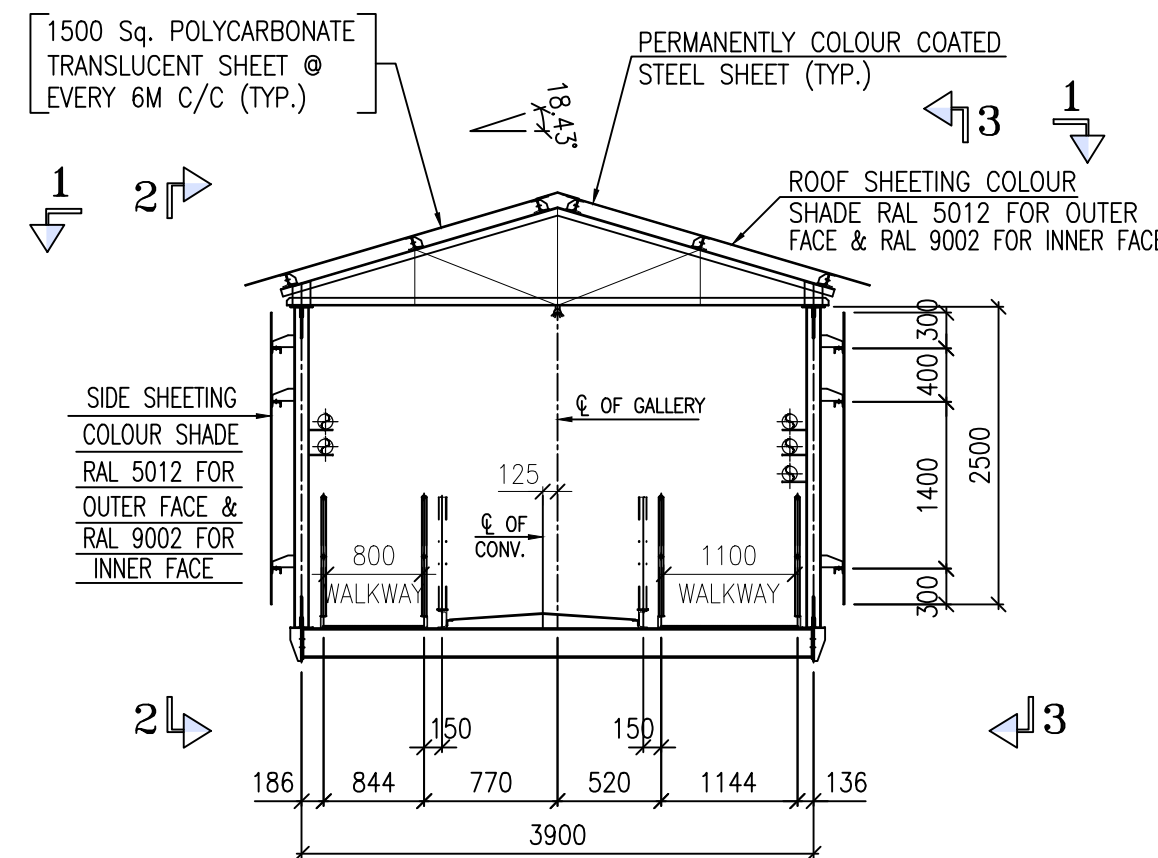
**TYPICAL END PORTAL CROSS SECTION
DETAILS OF CONV. GALLERY**
(BCN-9A & BCN-10A)



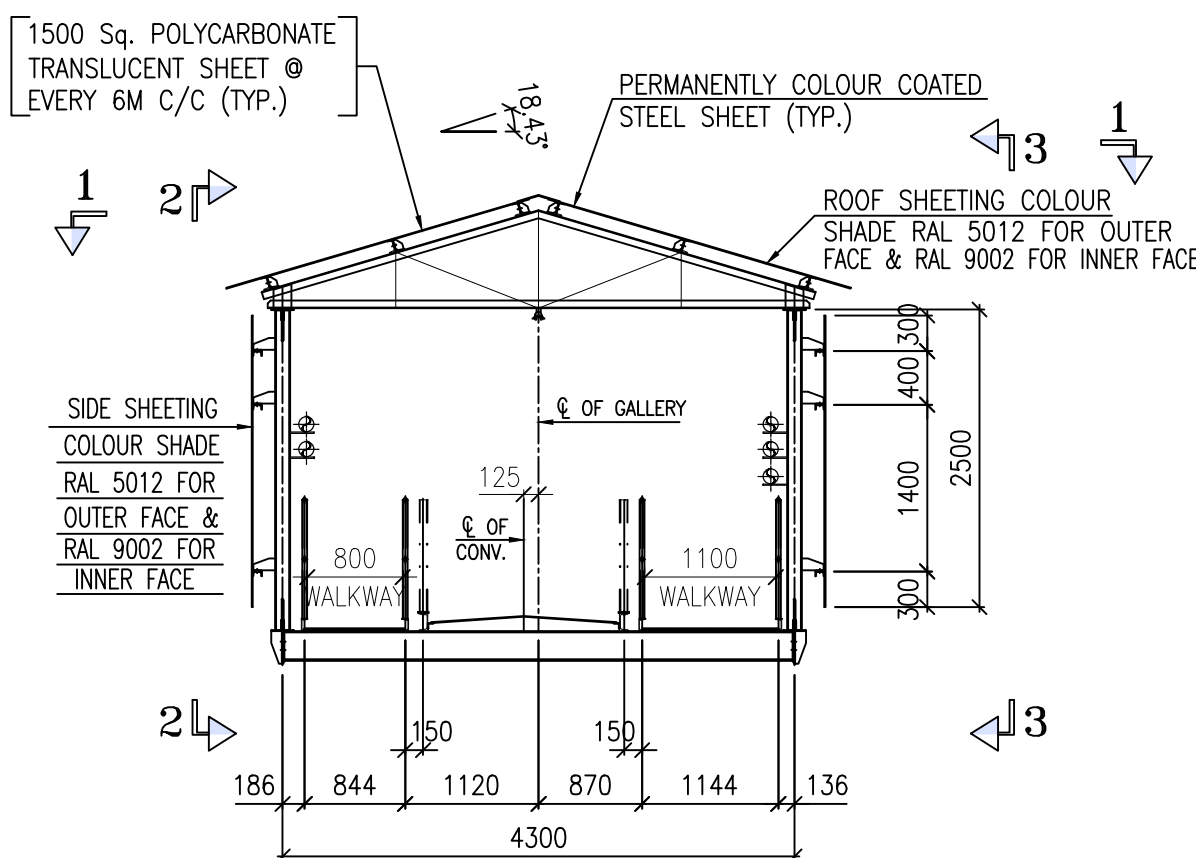
**TYPICAL END PORTAL CROSS SECTION
DETAILS OF CONV. GALLERY**
(BCN-2A/B)



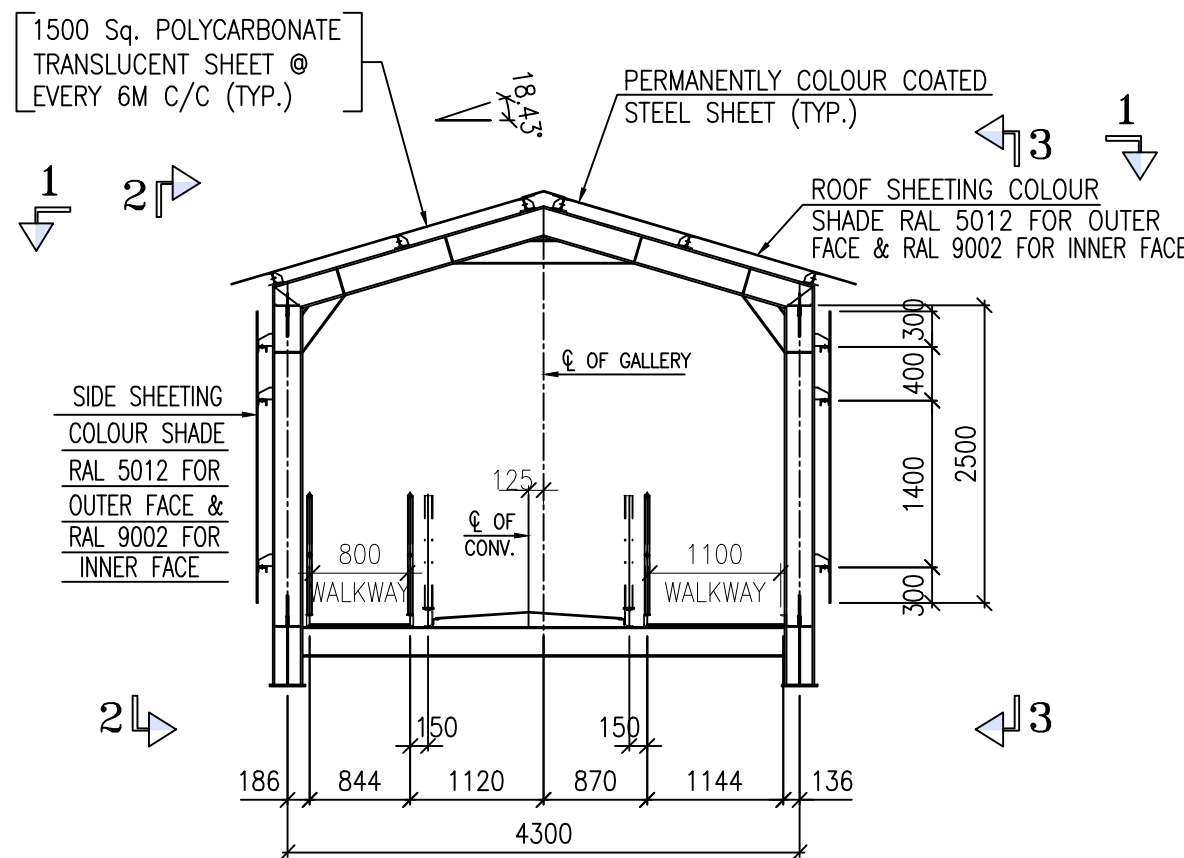
**TYPICAL END PORTAL CROSS SECTION
DETAILS OF CONV. GALLERY**
(BCN-3A/B)



**TYPICAL INTERMEDIATE CROSS SECTION
DETAILS OF CONV. GALLERY**
(BCN-9A & BCN-10A)



**TYPICAL INTERMEDIATE CROSS SECTION
DETAILS OF CONV. GALLERY**
(BCN-4A)



**TYPICAL END PORTAL CROSS SECTION
DETAILS OF CONV. GALLERY**
(BCN-4A)

FOR TENDER PURPOSE ONLY

OWNER: NTPC	NTPC-SAIL POWER COMPANY PVT. LTD.		
CONSULTANT: MECON LIMITED (मकॉन लिमिटेड)			
PROJECT :	1X250 MW THERMAL POWER PLANT IN ROURKELA, ODISHA		
Bharat Heavy Electricals Ltd Industrial Systems Group, Bangalore	NAME	SIGN	DATE
	DRN.	SRS	14.12.2017
Bharat Heavy Electricals Ltd Industrial Systems Group, Bangalore	DESIGN	SRS	14.12.2017
	CHKD.	PKRKG	15.12.2017
Bharat Heavy Electricals Ltd Industrial Systems Group, Bangalore	APP.	REDOYSCC	15.12.2017
	NO. OF SHEETS	2	NO. OF SHEETS
Bharat Heavy Electricals Ltd Industrial Systems Group, Bangalore	TITLE :	GENERAL DRAWINGS TYPICAL ARCHITECTURAL DETAILS FOR CONVEYOR GALLERIES	2
	SHEET. NO.	2	REV.
Bharat Heavy Electricals Ltd Industrial Systems Group, Bangalore	SCALE	BHEL JOB NO.	1
	BHEL-ISO DRG. NO.	IS-1-CE-708-100-C010	3

3	08.02.18	REVISED AS PER THE COMMENTS	SRS	REDOY
2	09.01.17	REVISED AS PER THE COMMENTS	SRS	REDOY
1	15.12.17	REVISED AS PER THE COMMENTS	SRS	REDOY
DATE	BRIEF RECORD	DRN.	APP.	

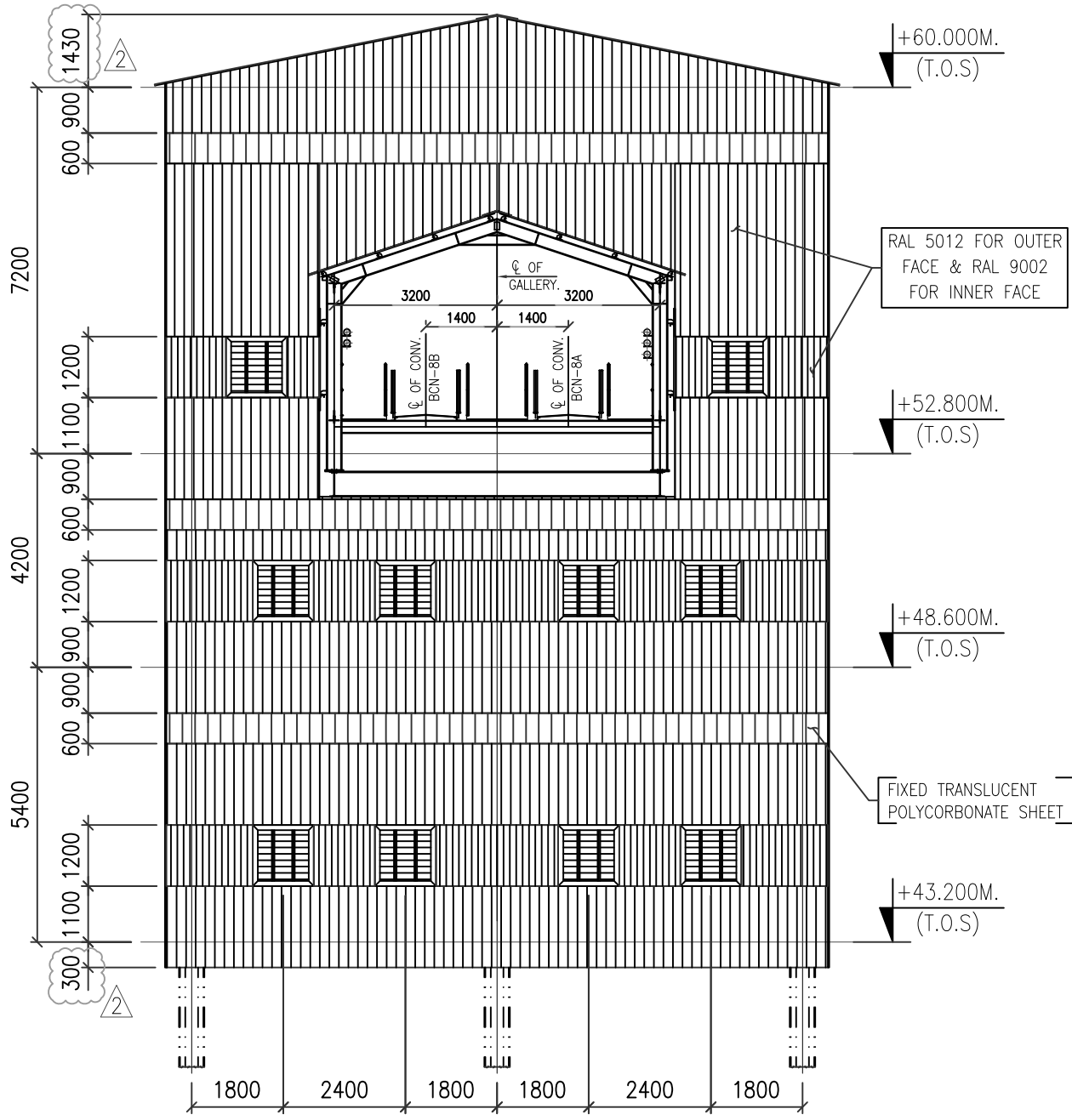
CAD FILE NAME: \\10.75.5.74\9999 mailtree\BAMESH YASHODA\K1 sheeting dwg\R2_BHEL\IS-1-CE-708-100-C011 (SH1) The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED. It must not be used directly or indirectly in any way detrimental to the interest of the company.

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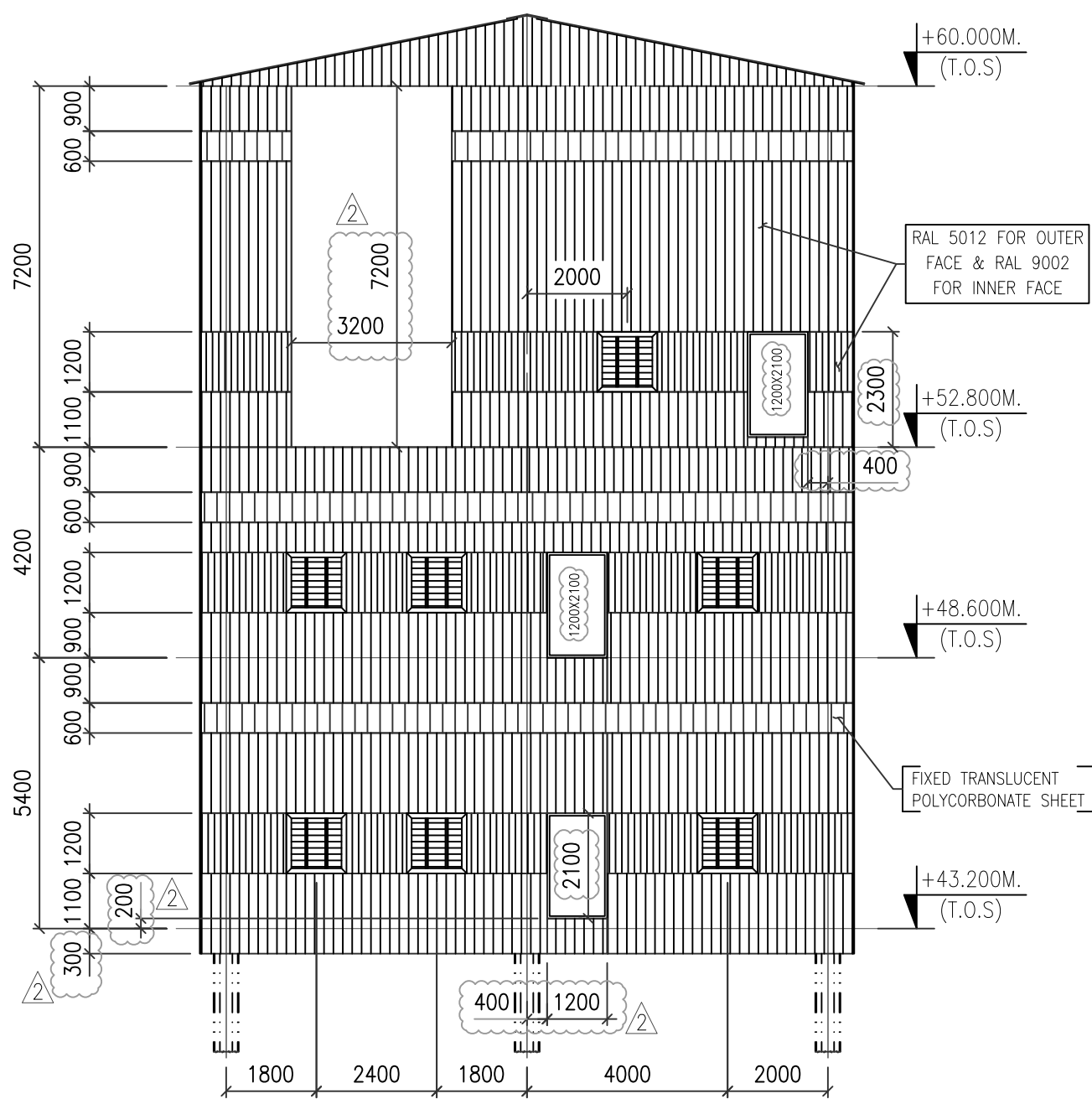
IS-1-CE-708-100-C011
DRAWING NO.

FIRST ANGLE PROJECTION

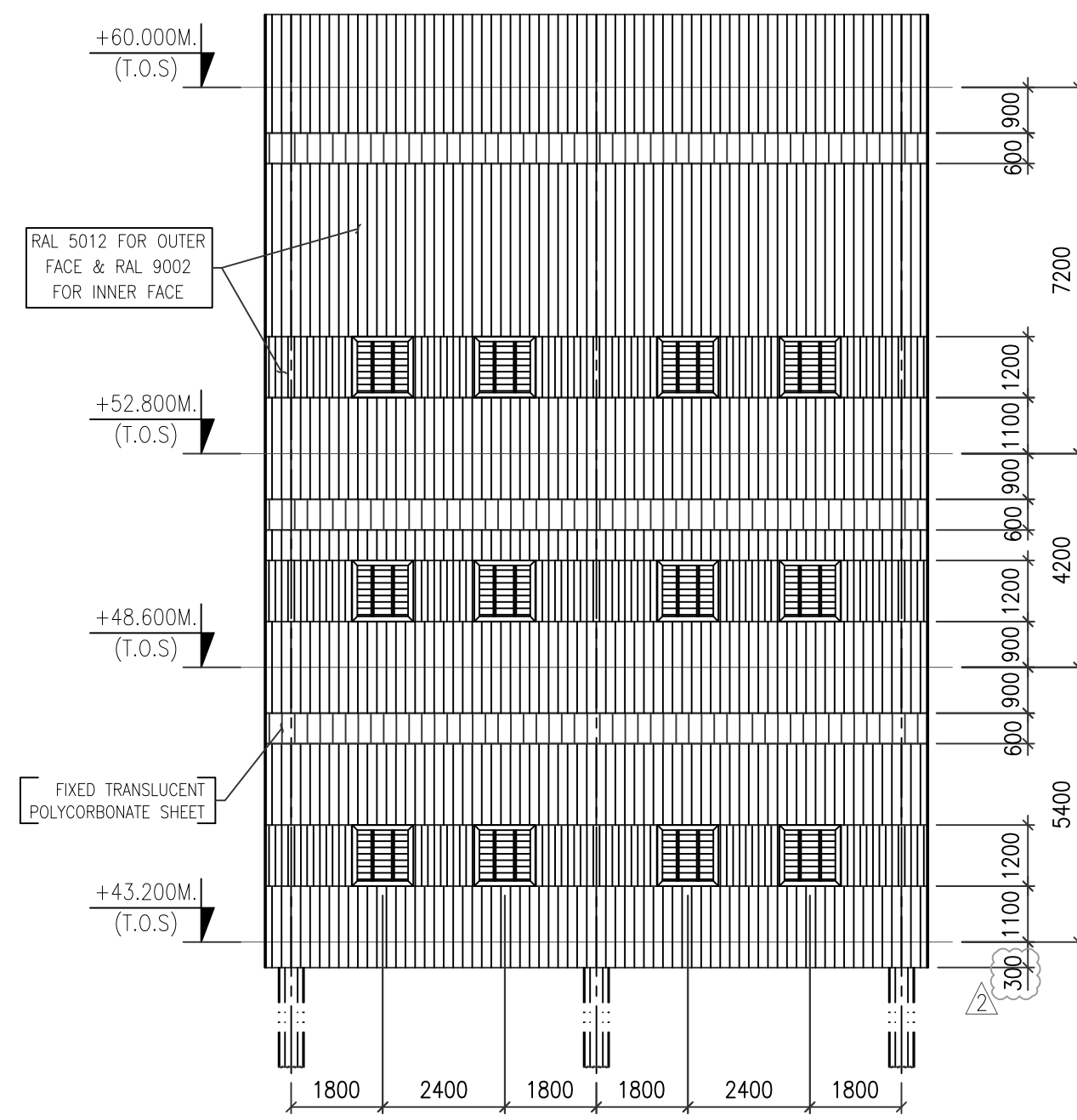
ALL DIMENSIONS ARE IN MM



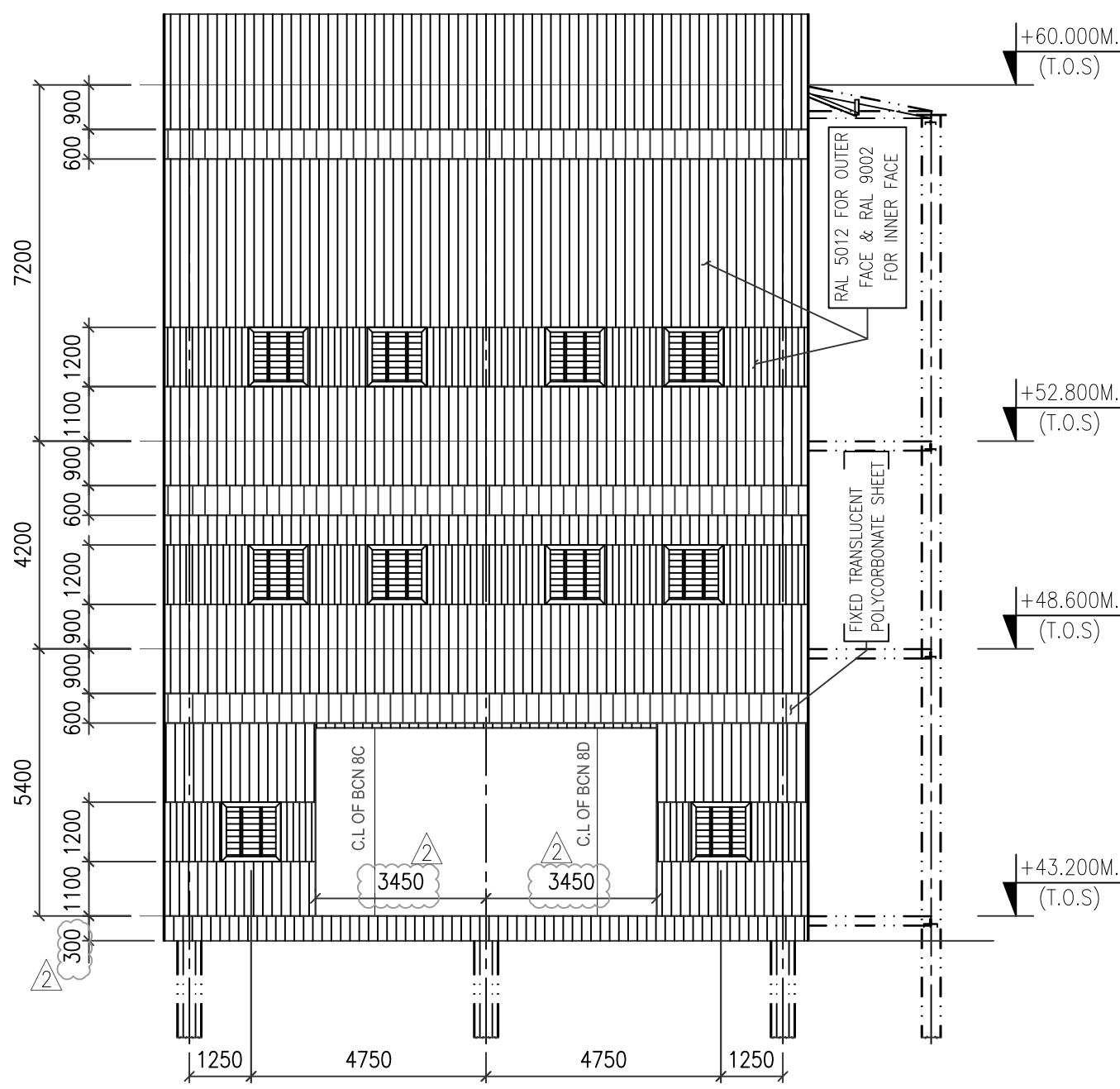
ELEVATION A



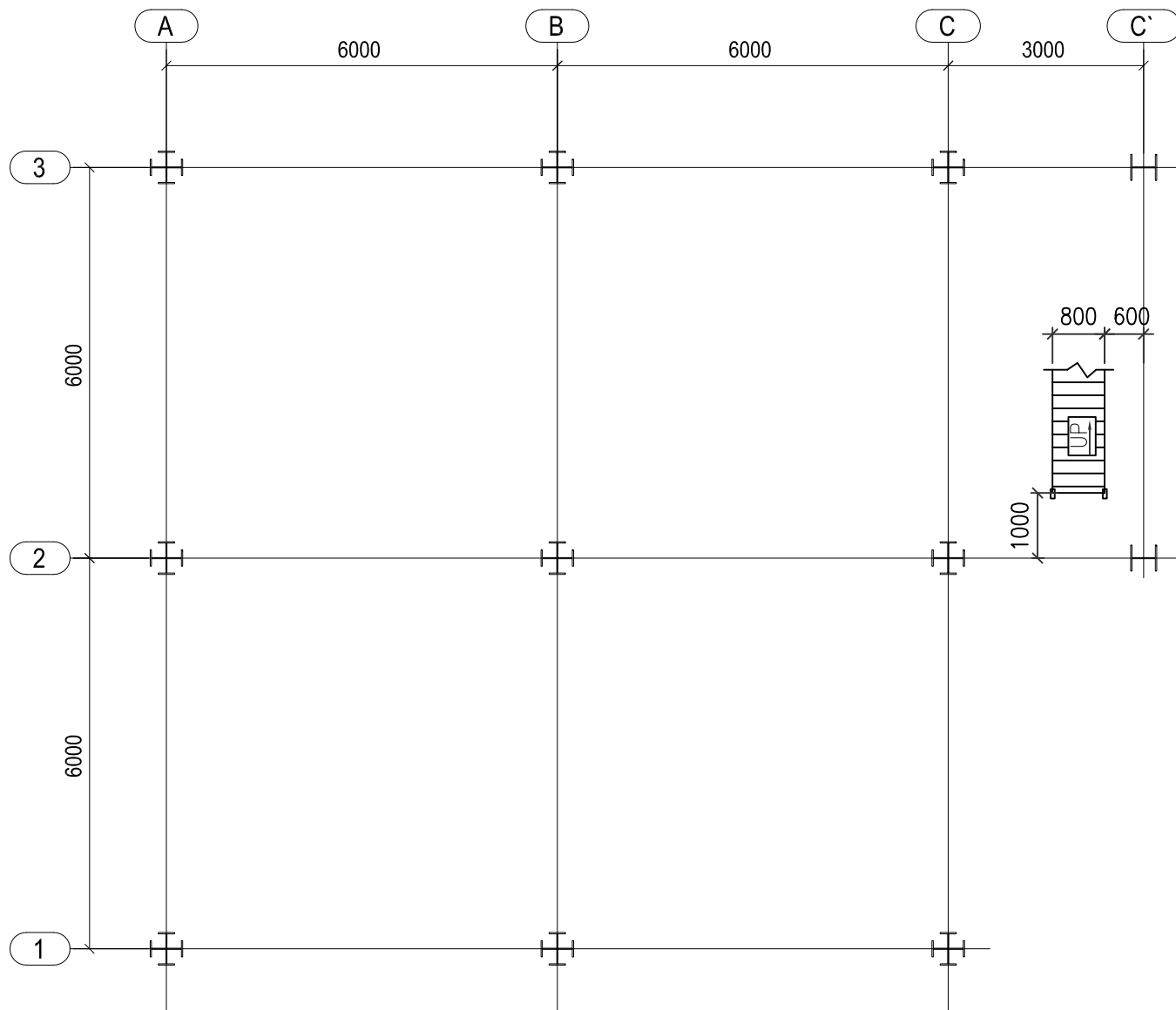
ELEVATION C



ELEVATION 1



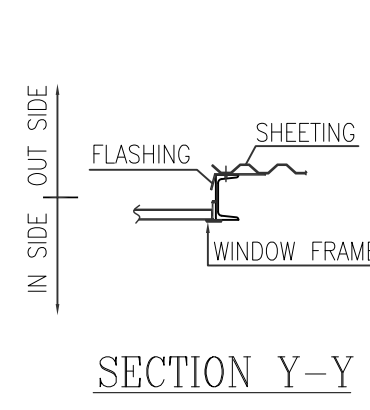
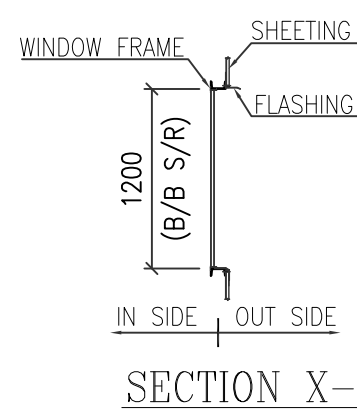
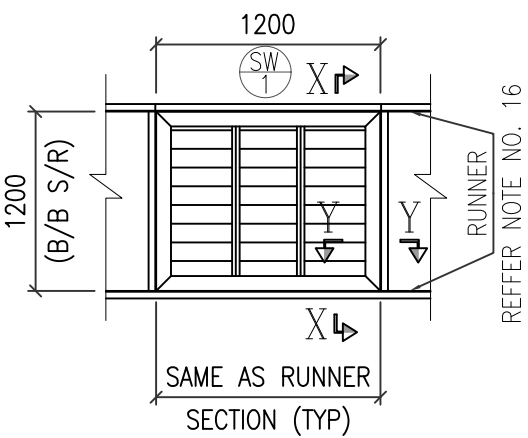
ELEVATION 3



PLAN @ +0

SCHEDULE OF DOORS & WINDOWS:- (AS PER TECHNICAL SPECIFICATION)

Sl. NO.	DESCRIPTION	FLOOR LEVEL	SIZE	NUMBER OF WINDOWS	REMARKS
1	W1	EL(+)+43.200M.	1200x1200	13	STEEL WINDOW WITH FIXED TRANSLUCENT POLYCARBONATE SHEET
		EL(+)+48.600M.	1200x1200	15	
		EL(+)+52.800M.	1200x1200	11	



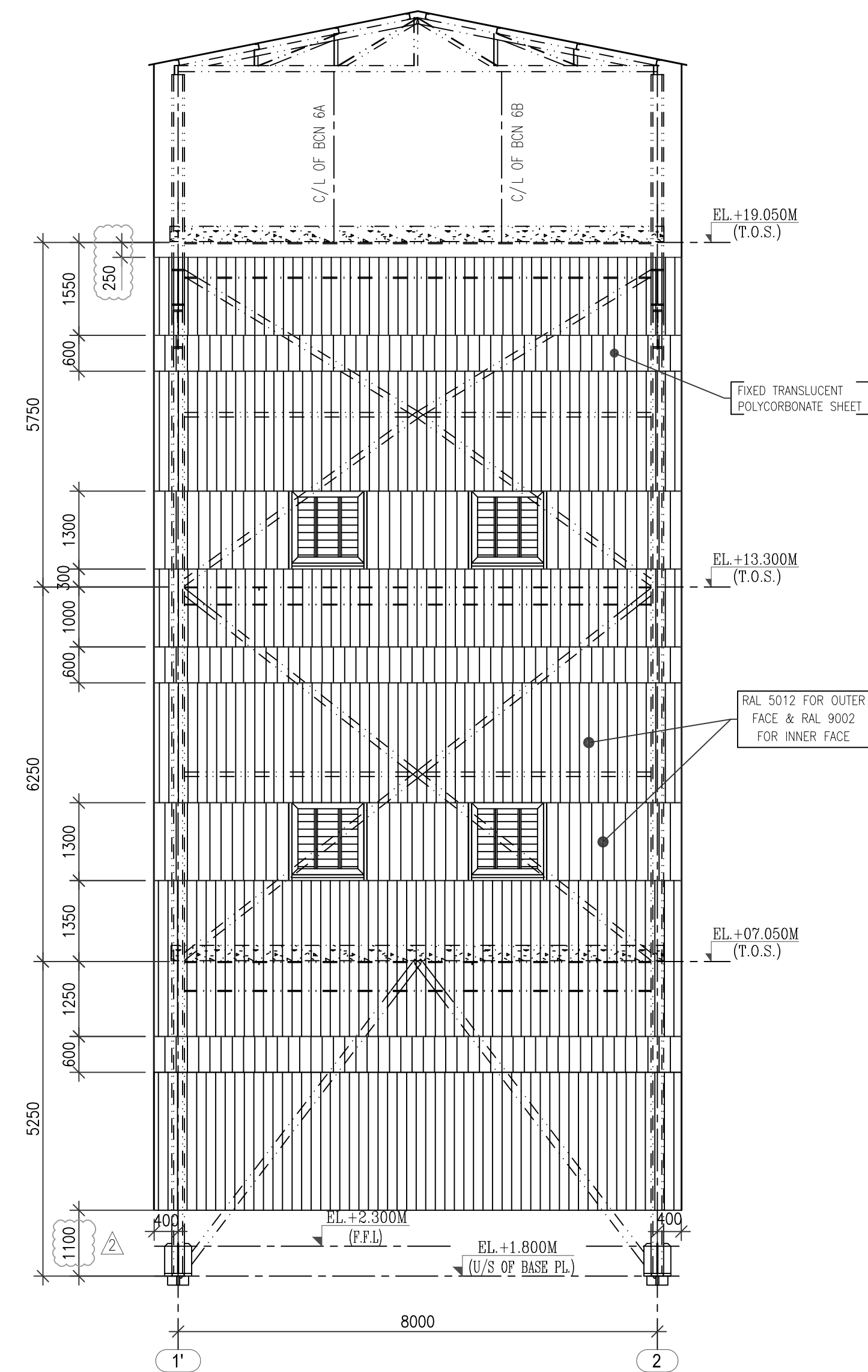
NOTES:-

- ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS ARE IN METRES
- STEEL DOORS, WINDOWS & VENTILATORS SHALL CONFORM TO IS:1361, IS:1038 & IS:4351
- WELDED STEEL WIRE FABRIC SHALL CONFORM TO IS:4948

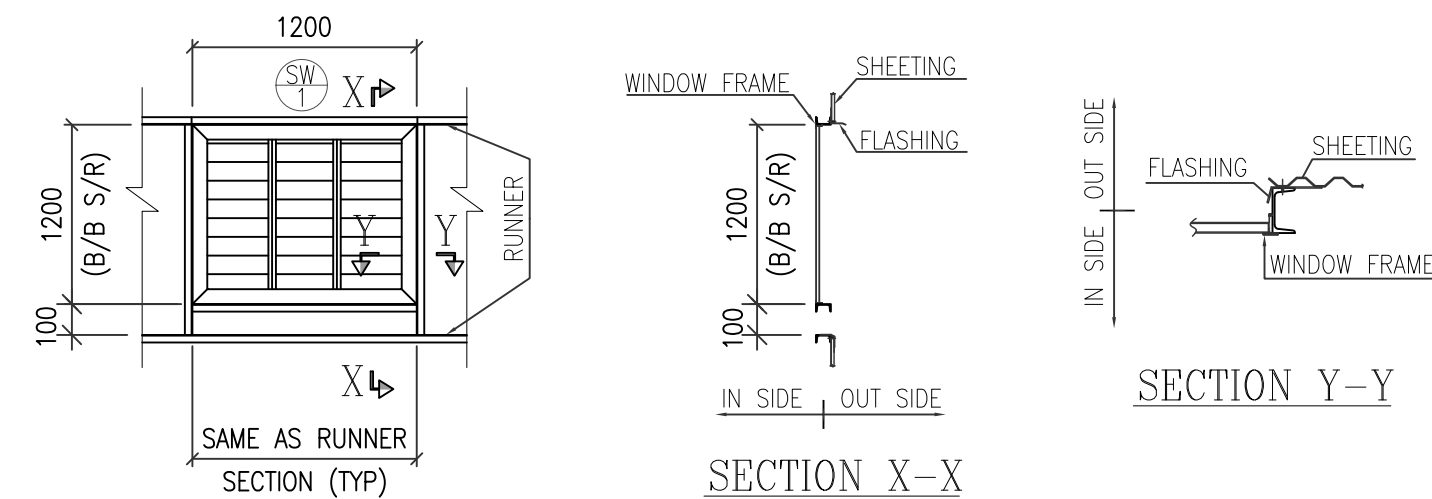
FOR TENDER PURPOSE ONLY

OWNER: N/PCIL	NTPC-SAIL POWER COMPANY LTD.				
CONSULTANT MECON LIMITED (मकॉन लिमिटेड)					
PROJECT: 1X250 MW THERMAL POWER PLANT IN ROURKELA, ODISHA					
BHARAT HEAVY ELECTRICALS LTD INDUSTRIAL SYSTEMS GROUP, BANGALORE	DRN.	VPD	SIGN	DATE	NO. OF SHEETS 11 SHEET. NO. 01
	DES.N.	PKRKG/KRB		29.01.2018	
	CHD.	REDDY		29.01.2018	
	APP.	SCC		29.01.2018	
TITLE: TRANSFER POINT-5 ARCHITECTURAL DETAILS					
SCALE	BHEL JOB NO.	BHEL-ISO DRG. NO.:	IS-1-CE-708-100-C011		REV. 2



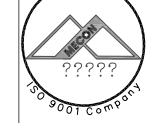
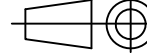


ELEV @ D



DETAIL OF WINDOW

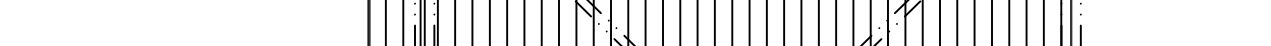
FOR TENDER PURPOSE ONLY

OWNER: 		NTPC-SAIL POWER COMPANY		LTD.																					
CONSULTANT 		MECON LIMITED (मकॉन लिमिटेड)																							
PROJECT :		1X250 MW THERMAL POWER PLANT IN ROURKELA, ODISHA																							
 Maharashtra Company		BHARAT HEAVY ELECTRICALS LTD INDUSTRIAL SYSTEMS GROUP, BANGALORE		<table><tr><td></td><td>NAME</td><td>SIGN</td><td>DATE</td></tr><tr><td>DRN.</td><td>Santanu</td><td></td><td>01.04.2018</td></tr><tr><td>DESN.</td><td>PKRKG/KRB</td><td></td><td>02.04.2018</td></tr><tr><td>CHD.</td><td>REDDY</td><td></td><td>03.04.2018</td></tr><tr><td>APP.</td><td>SCC</td><td></td><td>04.04.2018</td></tr></table>		NAME	SIGN	DATE	DRN.	Santanu		01.04.2018	DESN.	PKRKG/KRB		02.04.2018	CHD.	REDDY		03.04.2018	APP.	SCC		04.04.2018	NO. OF VAR
	NAME	SIGN	DATE																						
DRN.	Santanu		01.04.2018																						
DESN.	PKRKG/KRB		02.04.2018																						
CHD.	REDDY		03.04.2018																						
APP.	SCC		04.04.2018																						
		TITLE : <u>TRANSFER POINT-3</u> ARCHITECTURAL DETAILS		NO. OF SHEETS SHEET. NO.	11 04																				
SCALE	BHEL JOB NO.	BHEL-ISG DRG. NO.:	IS-1-CE-708-100-C011		REV																				

SL. NO.	DESCRIPTION	FLOOR LEVEL	SIZE	NUMBER OF WINDOWS	REMARKS
1	W1	EL.+07.050M	1200x1200	17	STEEL WINDOW WITH FIXED TRANSLUCENT POLYCARBONATE SHEET
		EL.+13.300M	1200x1200	20	
		EL.+19.050M	1200x1200	15	

1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS ARE IN METRES
2. STEEL DOORS, WINDOWS & VENTILATORS SHALL CONFORM TO IS:1361,
IS:1038 & IS:4351
3. WELDED STEEL WIRE FABRIC SHALL CONFORM TO IS:4948

FOR TENDER PURPOSE ONLY

[illegible][illegible]

	2	1
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	NO.	
-708-100-C011		RE 2

FORMAT SIZE A1

CAD FILE NAME: \\10.75.5.74\9999 mailtree\BAMESH YASHODA\K4 sheeting\drg\R2_BHEL\IS-1-CE-708-100-C011 (SH) The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED. It must not be used directly or indirectly in any way detrimental to the interest of the company.

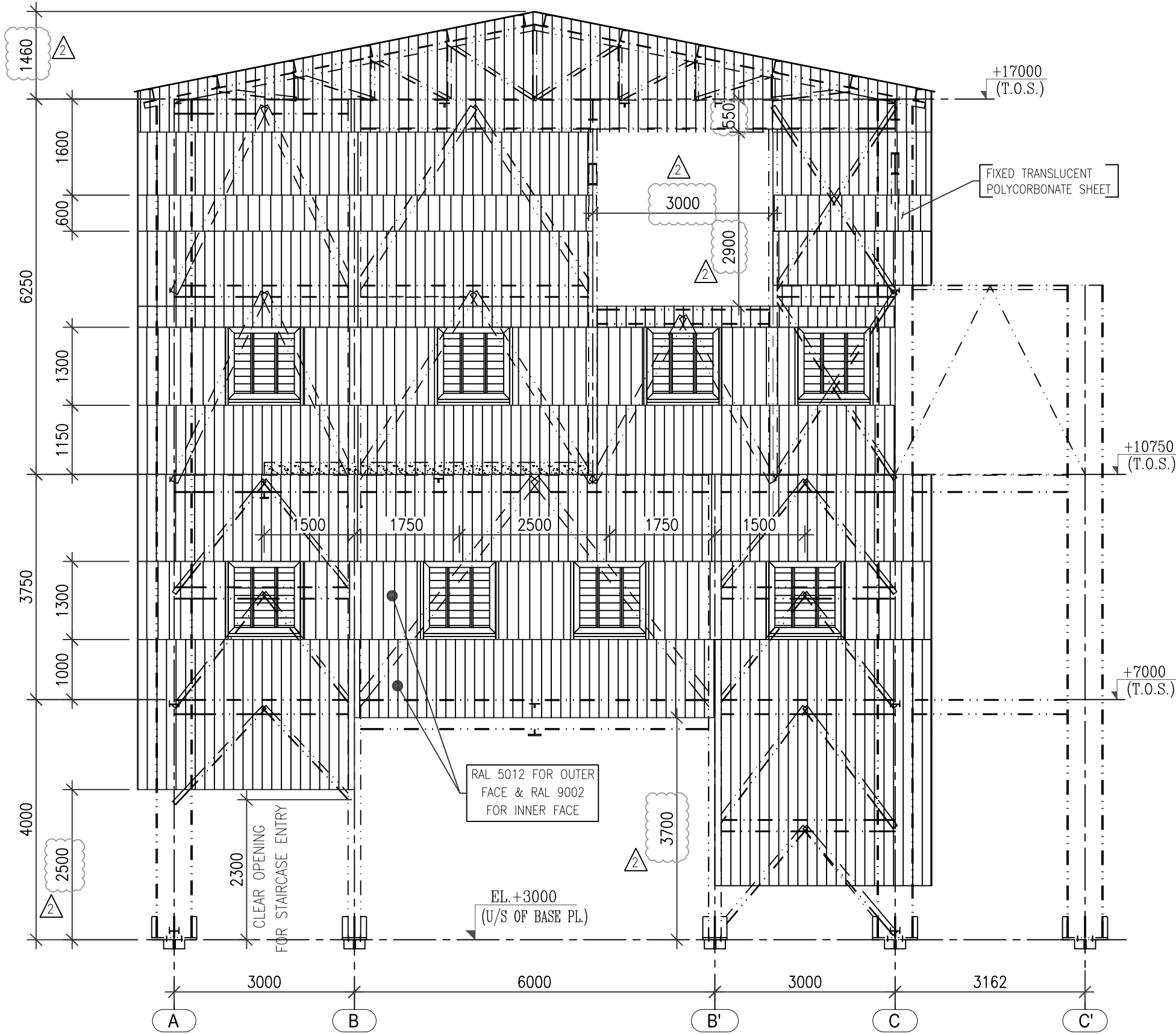
COPY RIGHT AND CONFIDENTIAL

IS-1-CE-708-100-C011

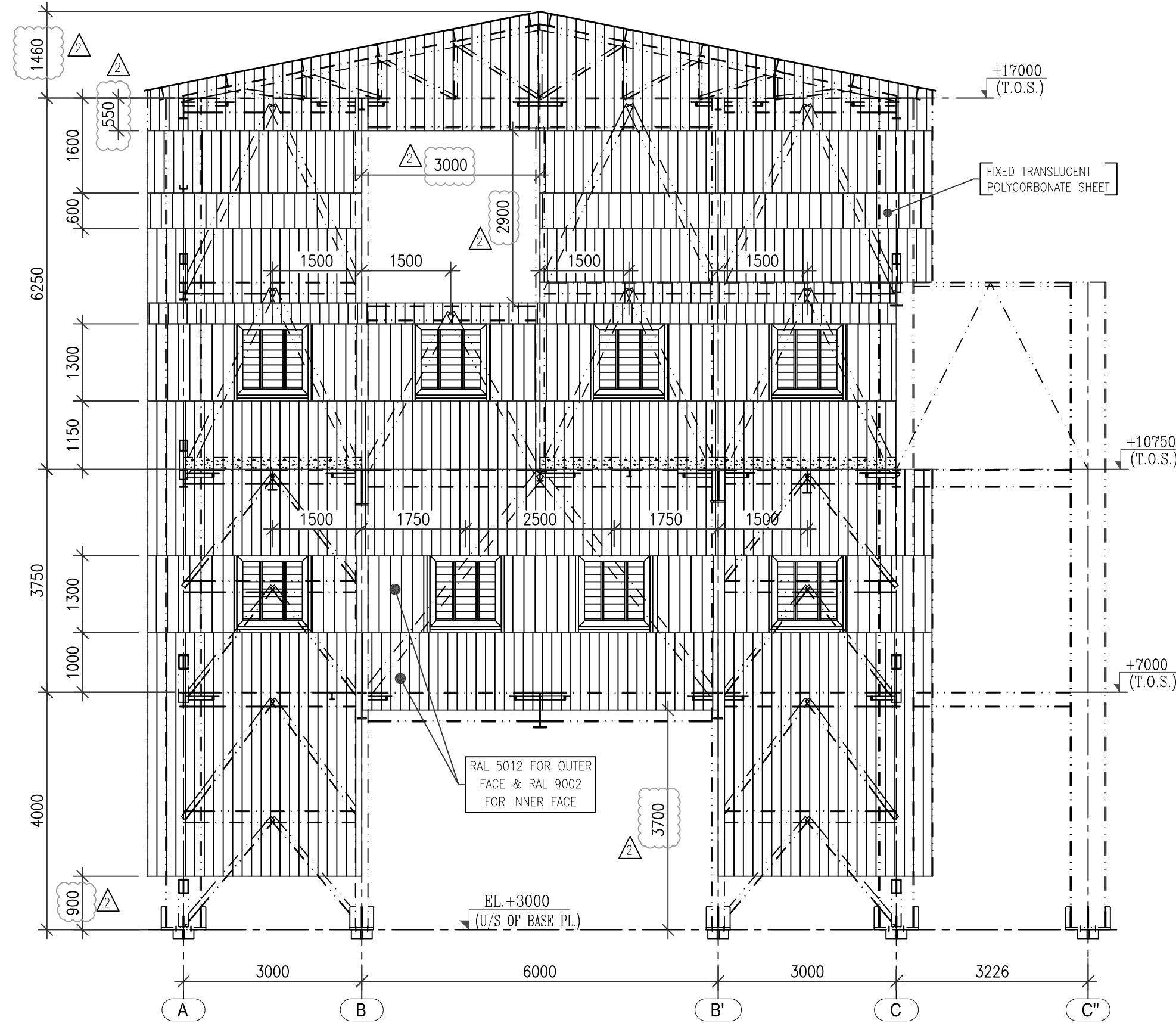
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FIRST ANGLE PROJECTION

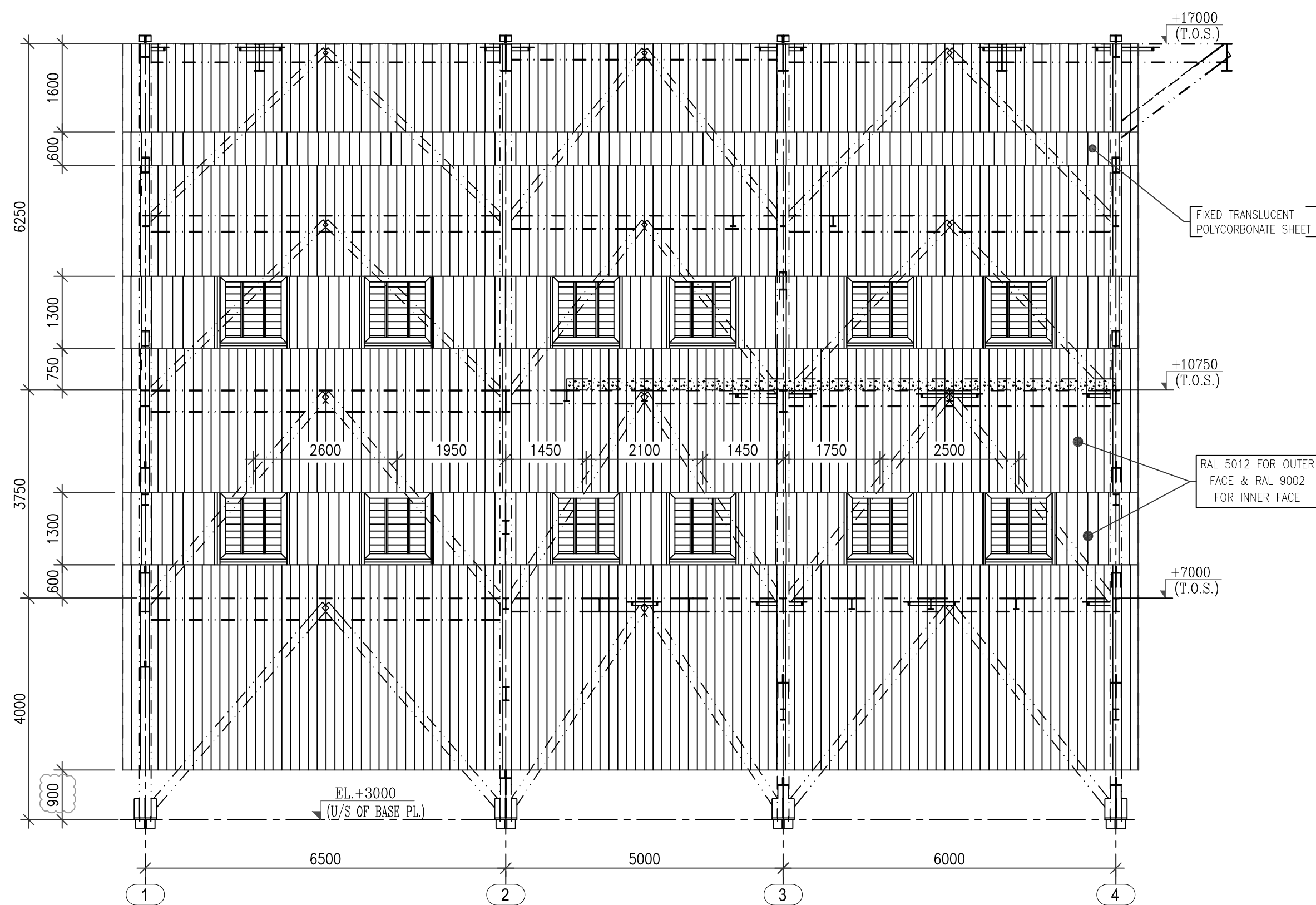
ALL DIMENSIONS ARE IN MM



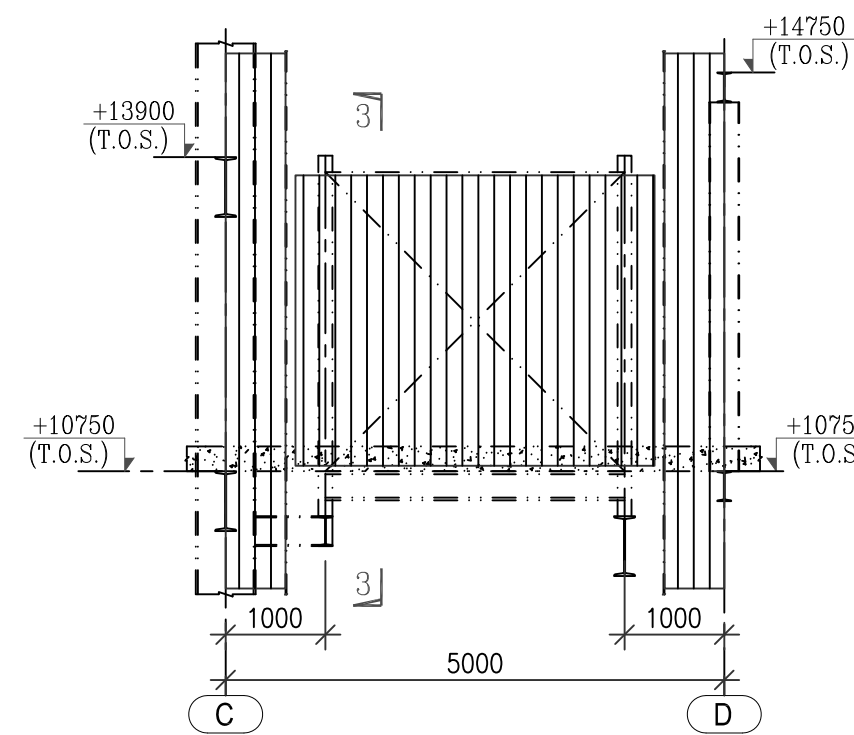
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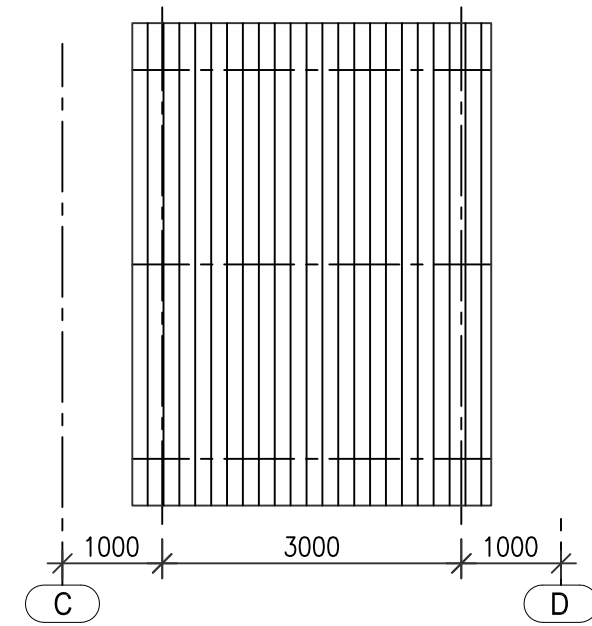
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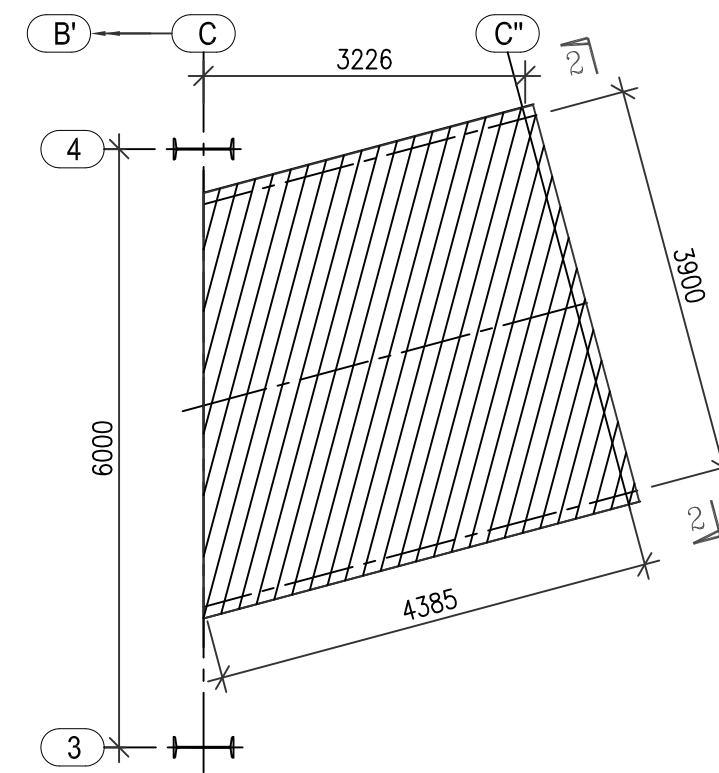
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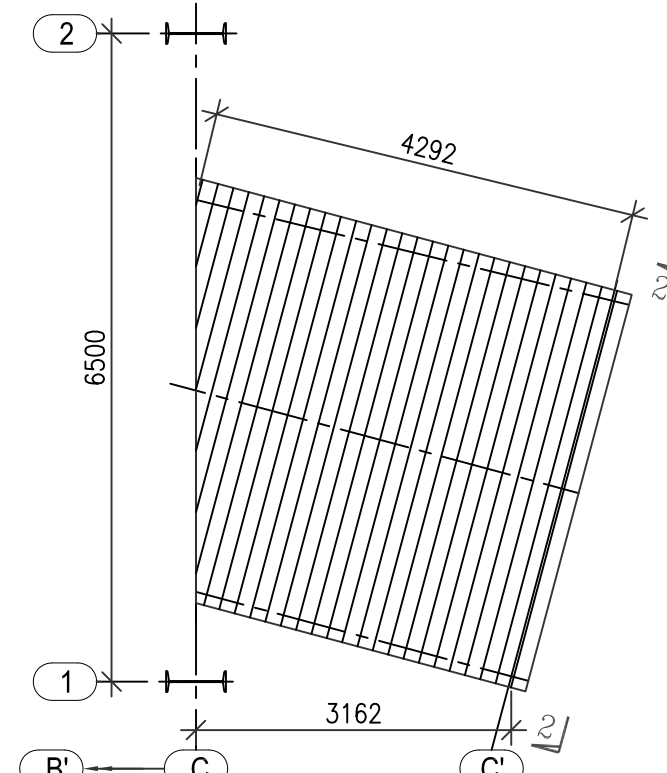
SIDE RUNNER FOR CONV. BCN 4A



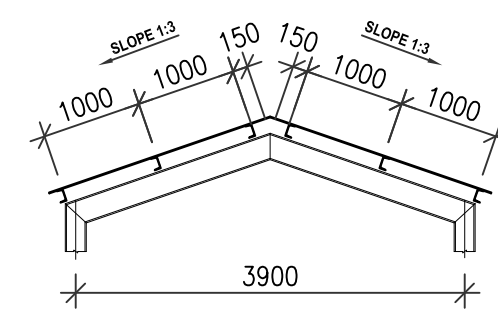
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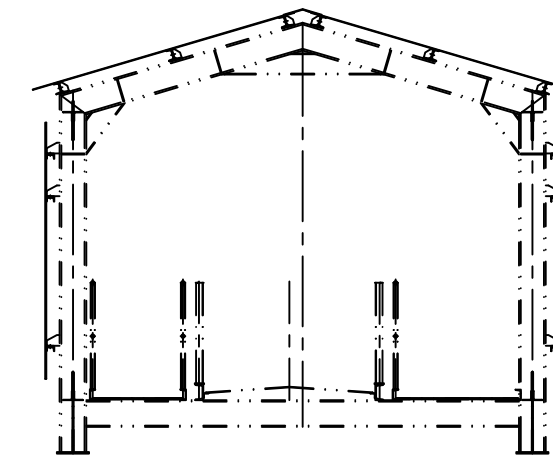
PLAN AT RAFTER LEVEL
FOR VGTU CONV. 9



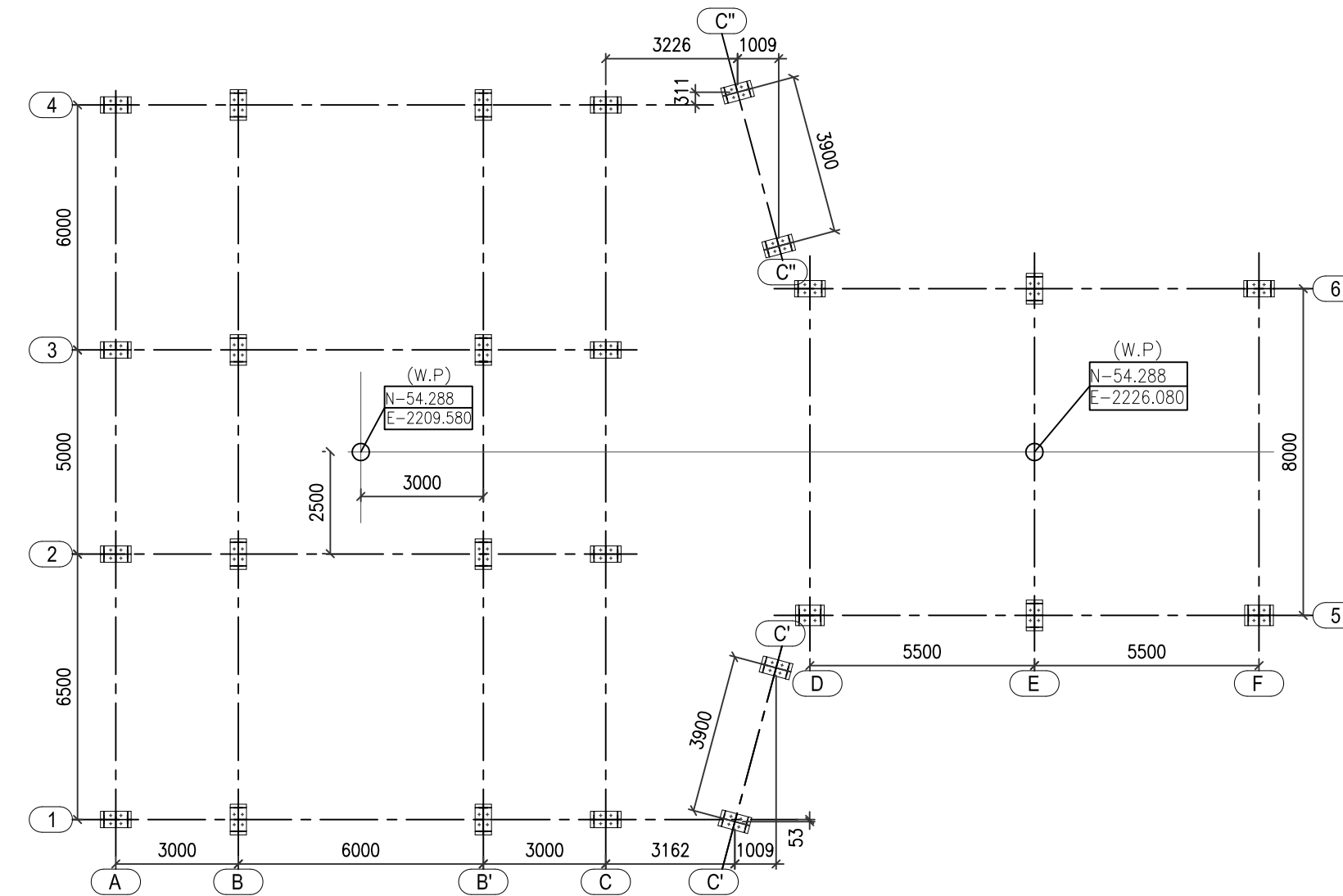
PLAN AT RAFTER LEVEL
FOR VGTU CONV. 10



SECTION 2-2



SECTION 3-3



PLAN @ EL+3000
SCALE: 1/50

FOR TENDER PURPOSE ONLY

OWNER: NTPC-SAIL POWER COMPANY LTD.

CONSULTANT: MECON LIMITED
(मकॉन लिमिटेड)

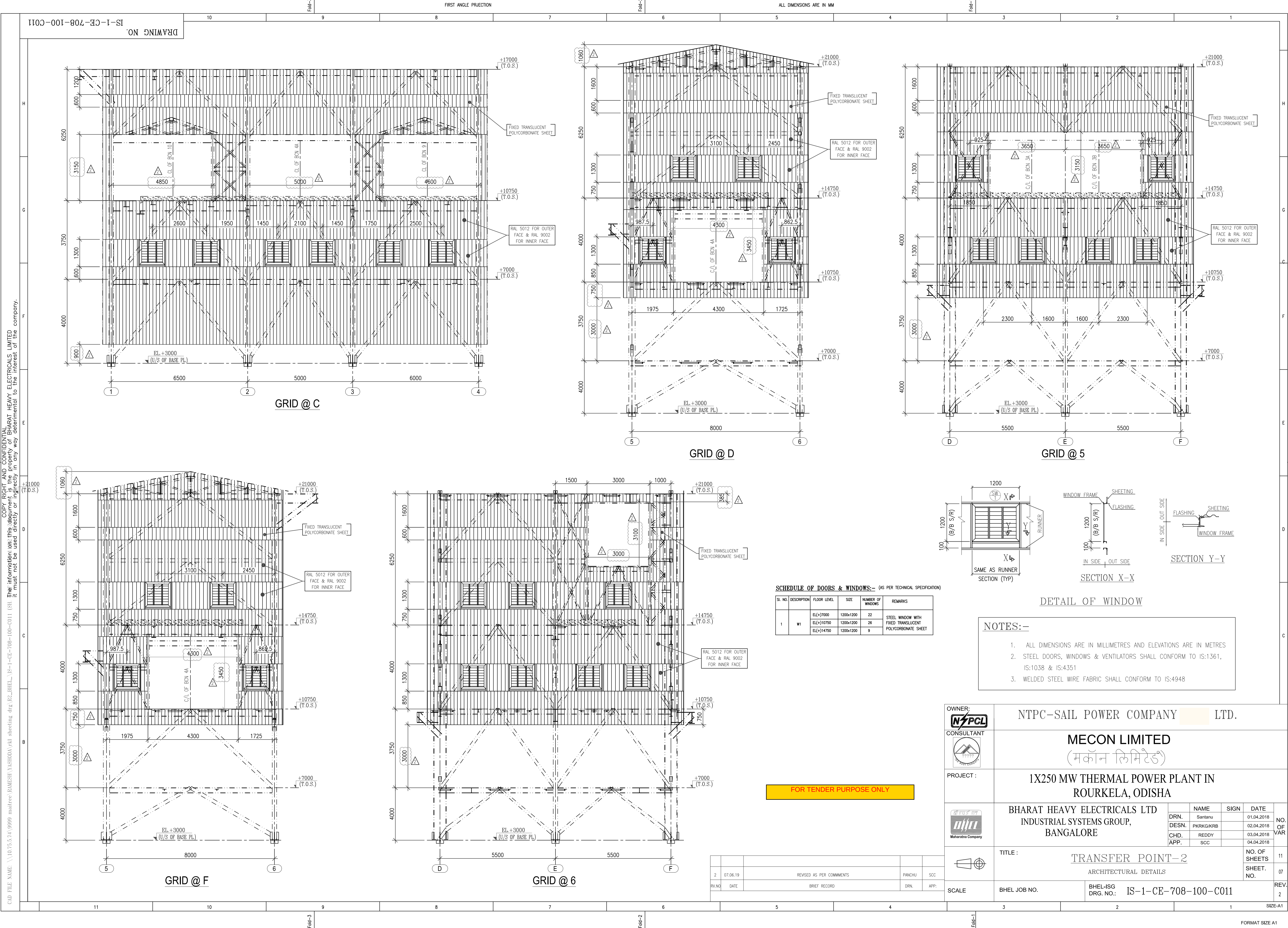
PROJECT: 1X250 MW THERMAL POWER PLANT IN
ROURKELA, ODISHA

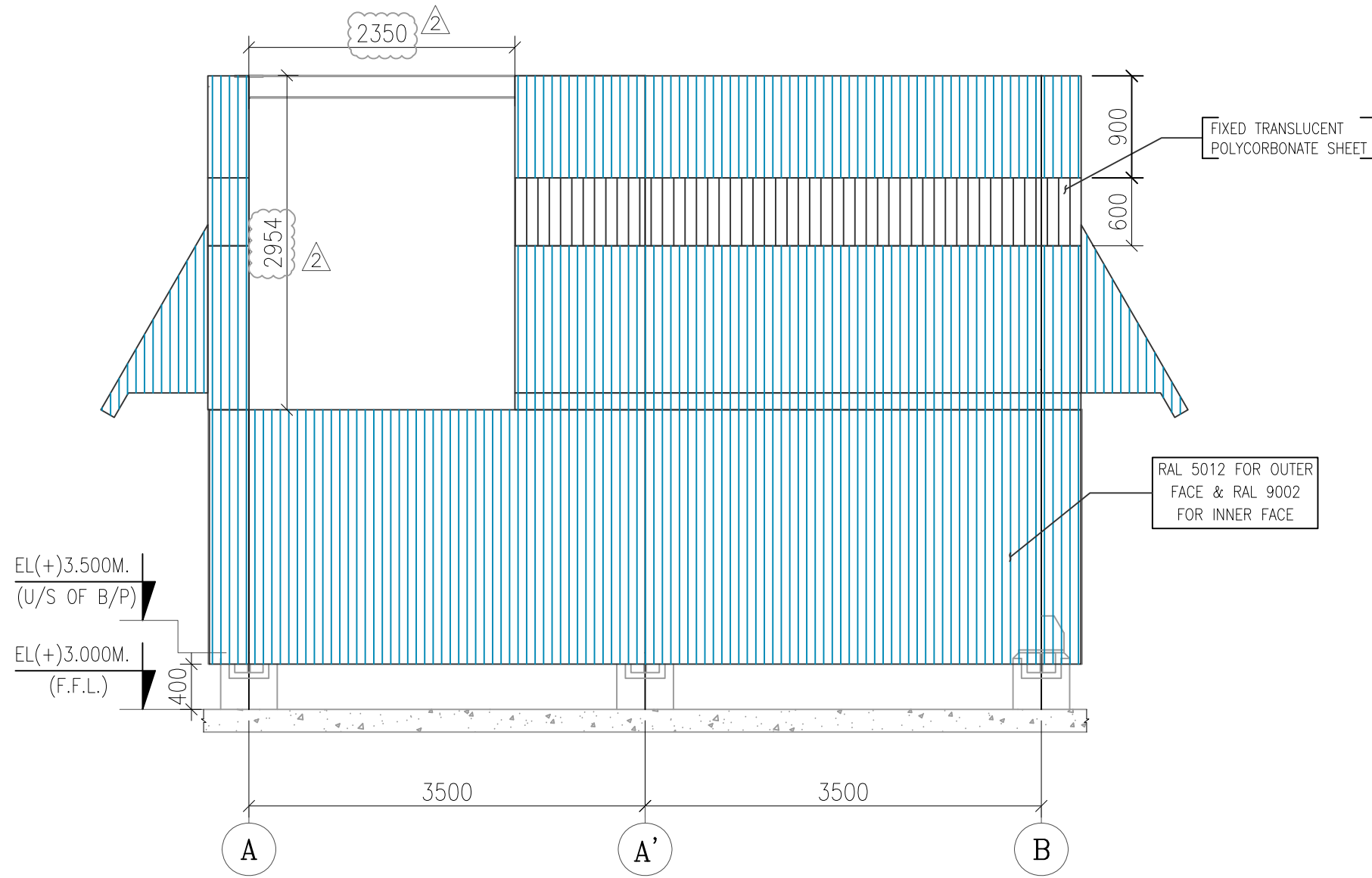
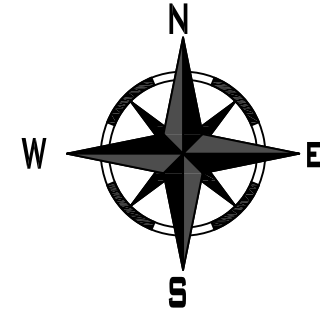
DRN.	NAME	SIGN	DATE	NO. OF SHEETS
DESN.	Santanu		01.04.2018	11
CHD.	PKRKG/KRB		02.04.2018	06
APP.	REDDY		03.04.2018	
	SCC		04.04.2018	

TITLE: TRANSFER POINT-2
ARCHITECTURAL DETAILS

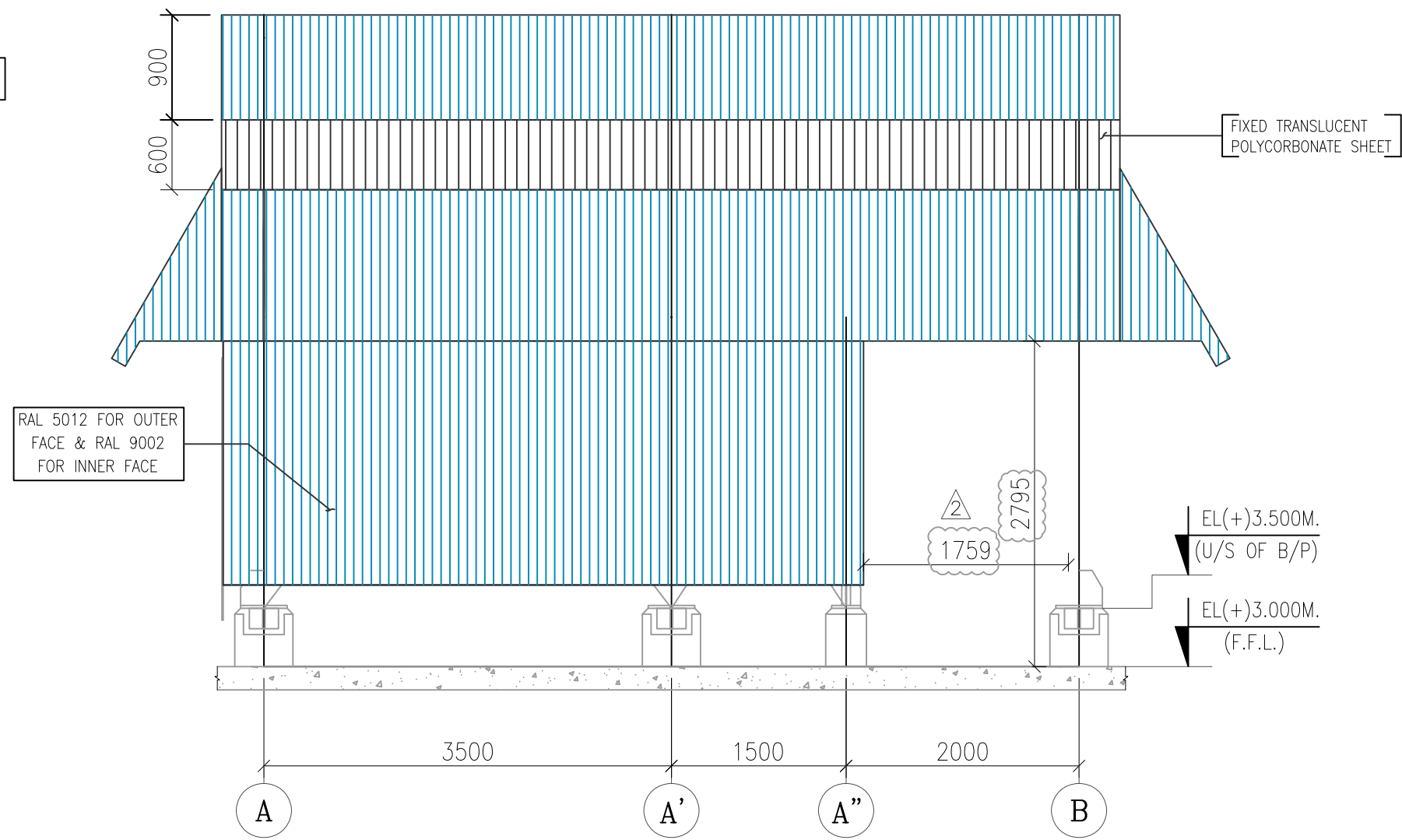
SCALE: BHEL JOB NO. BHEL-ISC DRG. NO.: IS-1-CE-708-100-C011

FORMAT SIZE A1

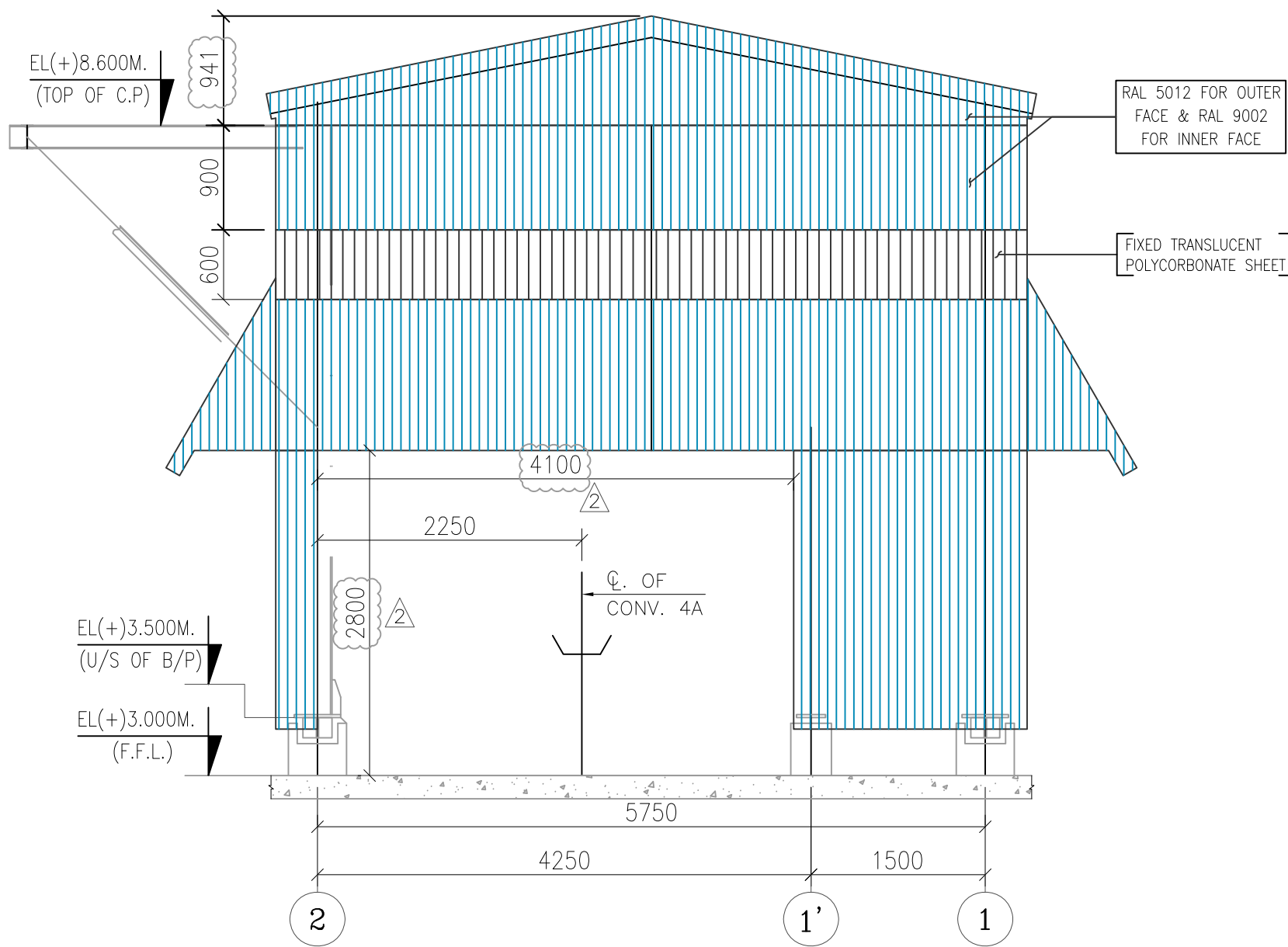




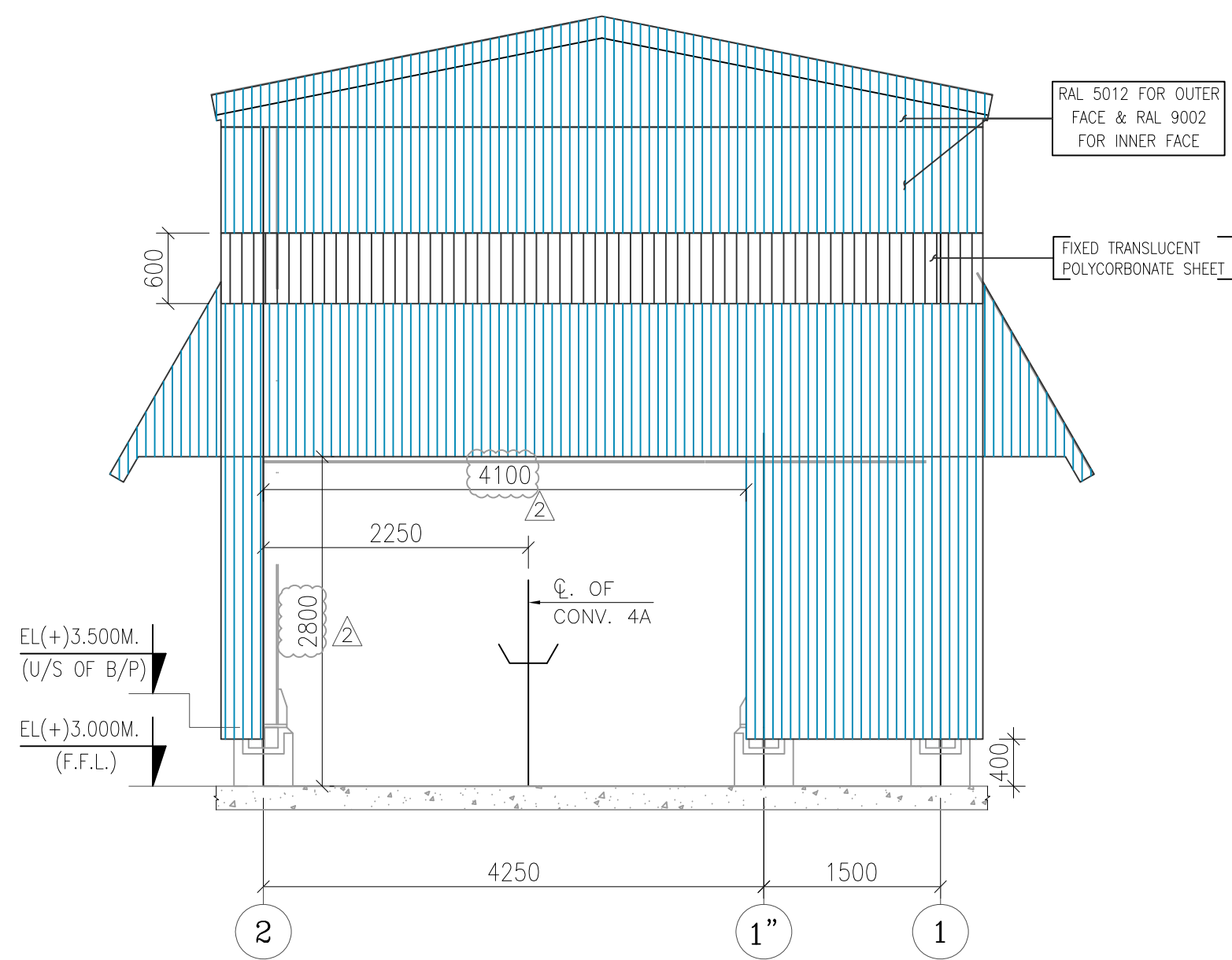
ELEVATION ON ROW ②



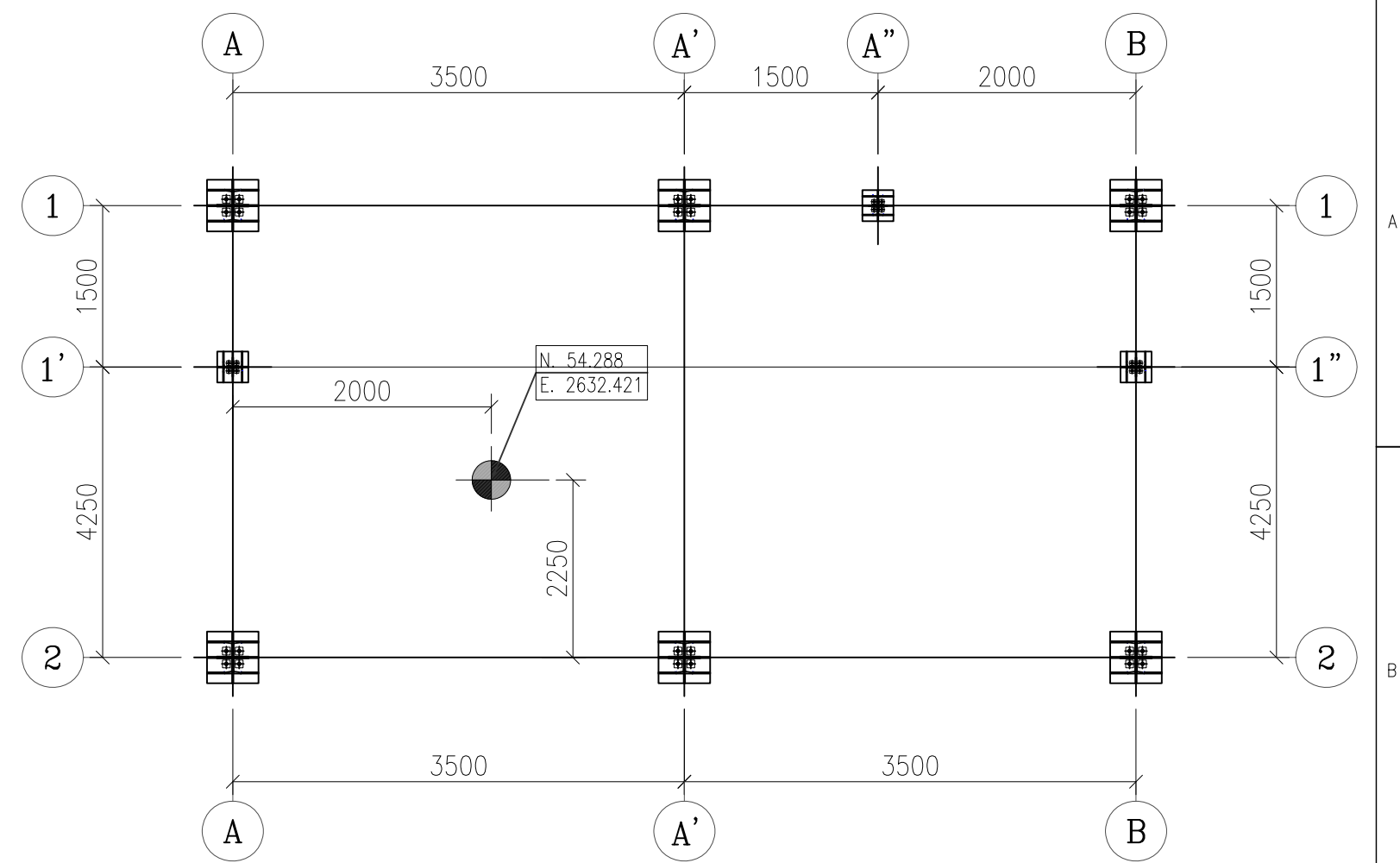
ELEVATION ON ROW ①



ELEVATION ON AXIS ①A



ELEVATION ON AXIS ①B



PLAN AT EL(+).3.500M. (U/S OF BASE PL.)

NOTES:-

- ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS ARE IN METRES
- STEEL DOORS, WINDOWS & VENTILATORS SHALL CONFORM TO IS:1361, IS:1038 & IS:4351
- WELDED STEEL WIRE FABRIC SHALL CONFORM TO IS:4948

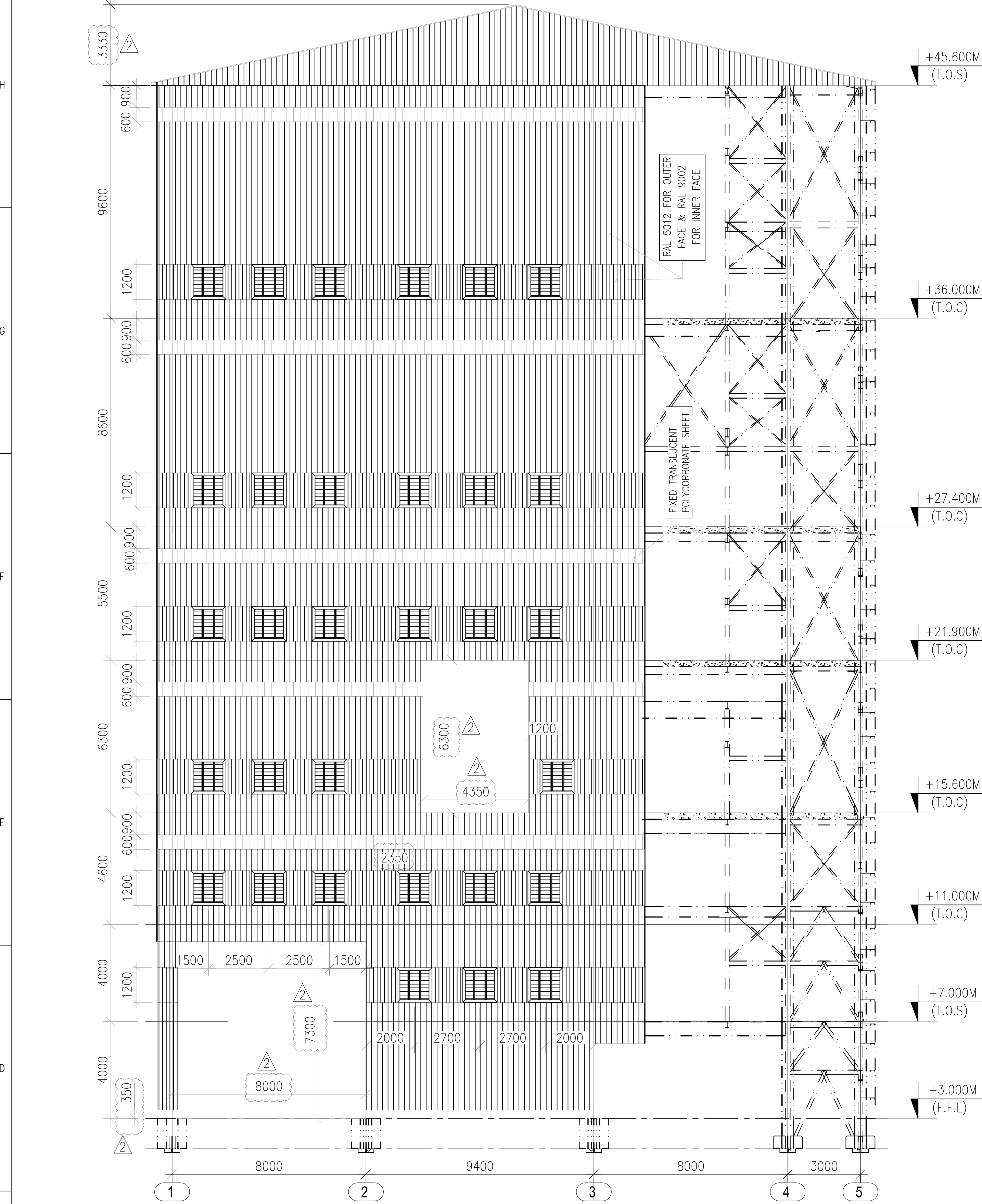
FOR TENDER PURPOSE ONLY

2	07.06.19	REVISED AS PER COMMENTS	PANCHU	RKPO	REDDY
REV.	DATE	REVISION & DESCRIPTION	DRAWN	CHECK'D	APPR.

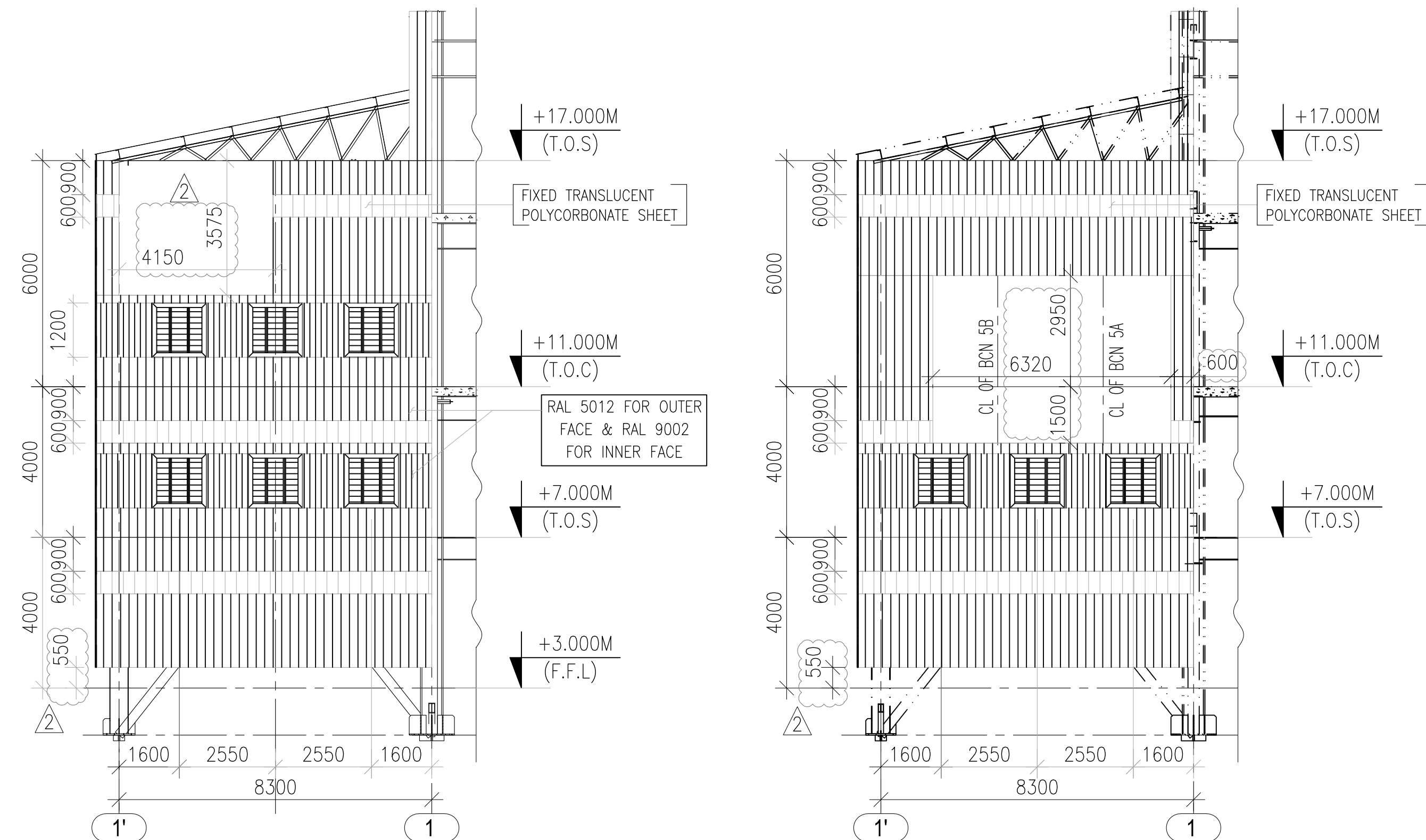
SUBMITTED FOR	APPROVAL	INFORMATION	REFERENCE	RECORD	CONSTRUCTION
NTPC-SAIL POWER COMPANY LTD.					
1X250 MW POWER PLANT AT ROURKELA(PP-II)					
MECON LIMITED					
BHARAT HEAVY ELECTRICALS LTD INDUSTRIAL SYSTEMS GROUP, BANGALORE					
TITEL : DRIVE HOUSE					
ARCHITECTURAL DETAILS					
DESIGNED	SM	28.03.18	SCALE	SHEET	8 OF 11
DRAWN	SM	28.03.18			REV. 2
CHECKED	RPO	28.03.18	BHEL DRAWING NO. IS-1-CE-708-100-C011		
APPROVED	REDDY	28.03.18	PROJECT DRAWING NO.		

CAD FILE NAME: \\075.140\civil\1.0\BOURKELA 6_CIVIL\CHP 0_General\011-Typical Architectural Dwg\02_BHEL_IS-1-CE-708-100-C011.dwg
COPY RIGHT AND CONFIDENTIAL
Bharat Heavy Electricals Limited
It is not to be used directly or indirectly in any way detrimental to the interest of the company.

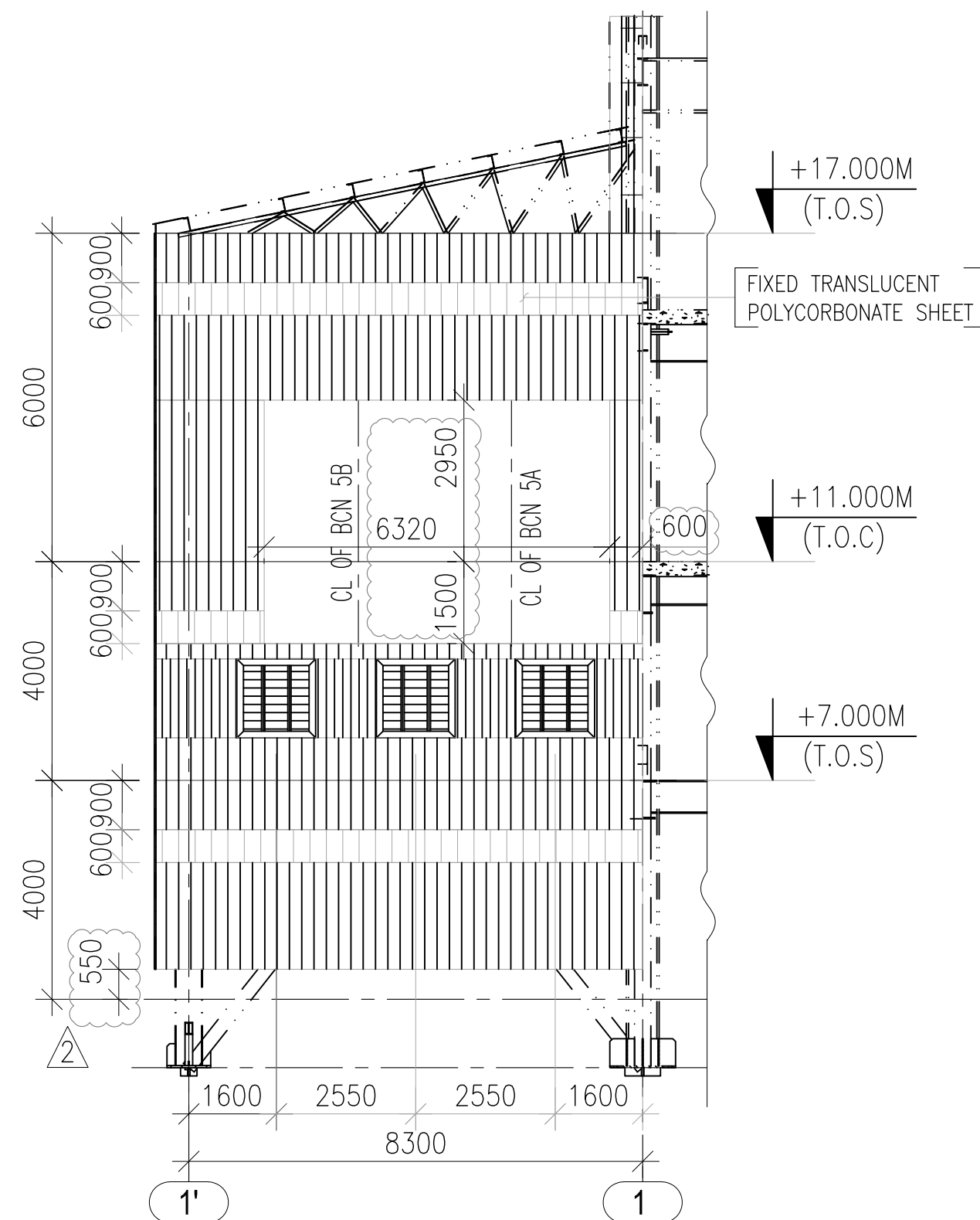
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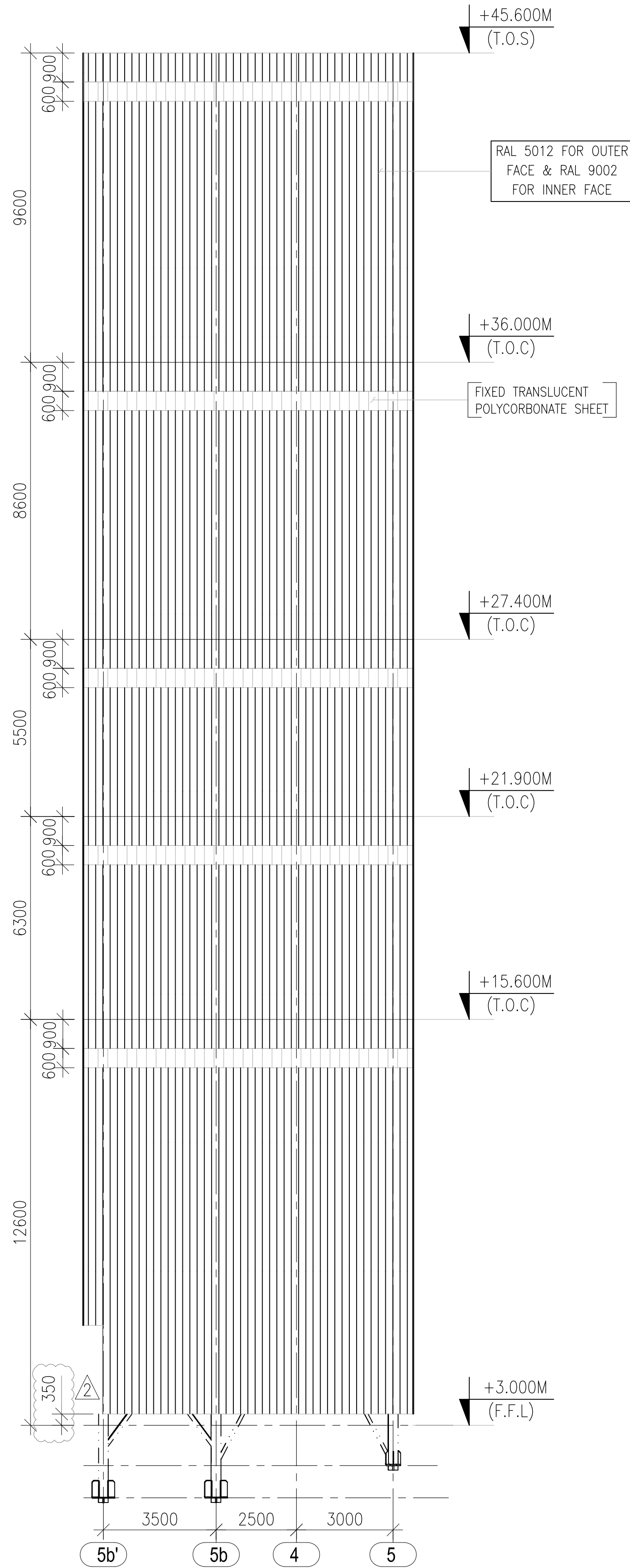
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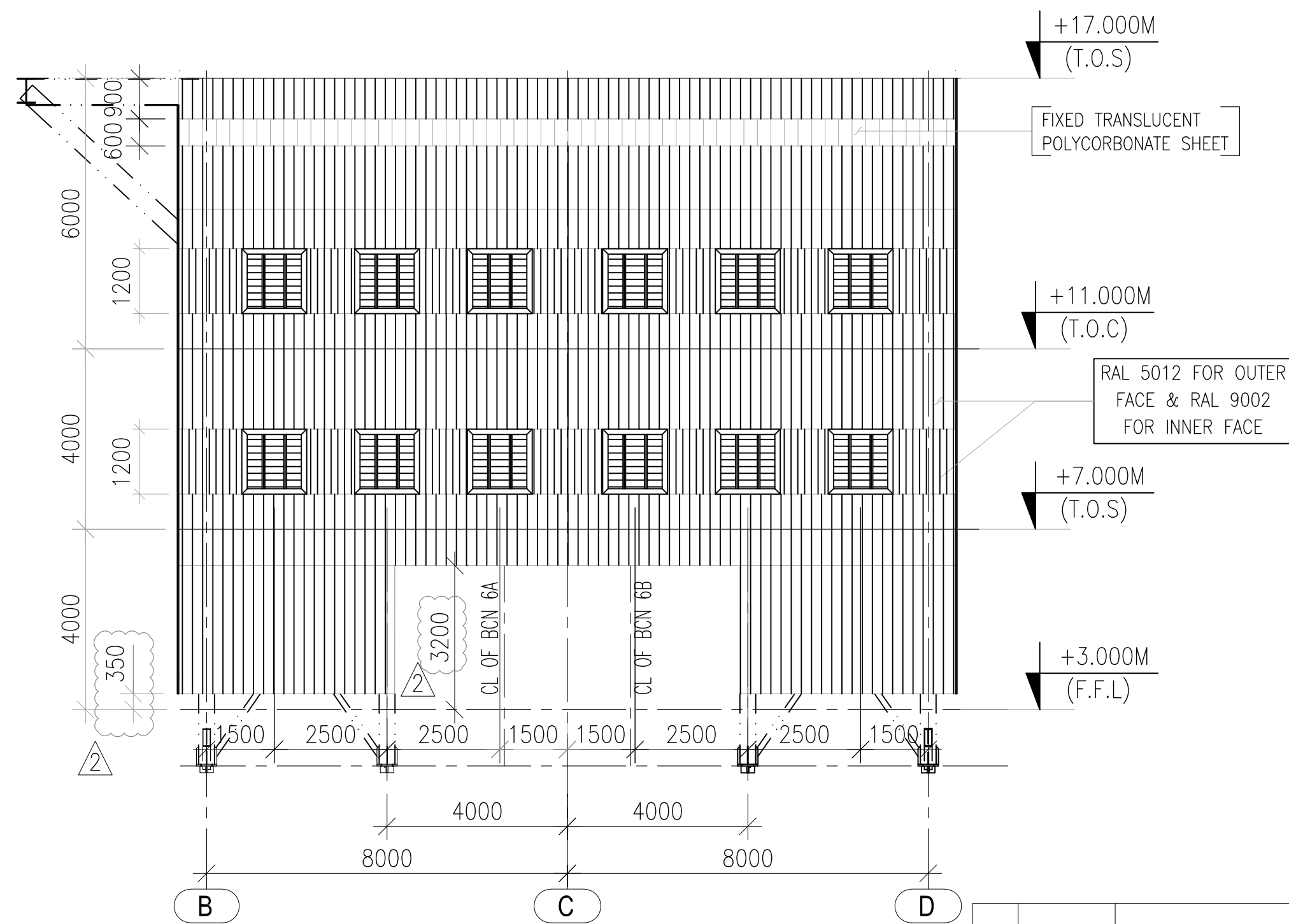
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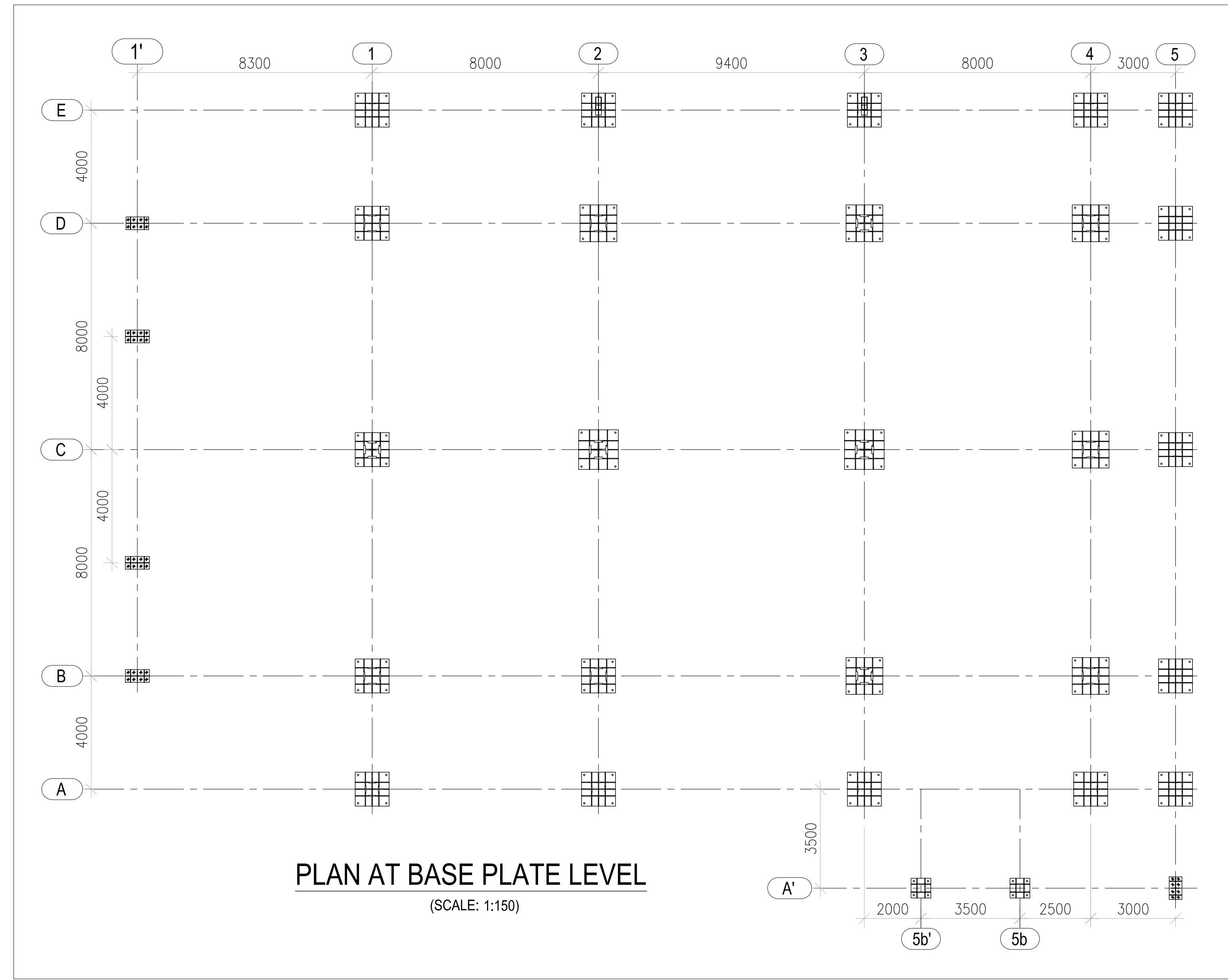
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(SCALE: 1:150)



GRID @ A'



GRID @ 1'



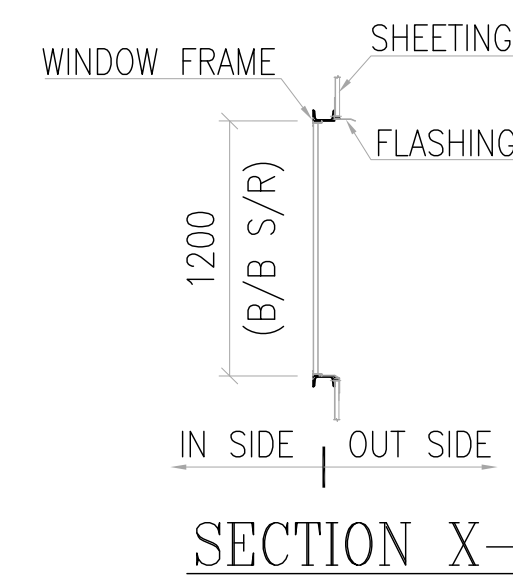
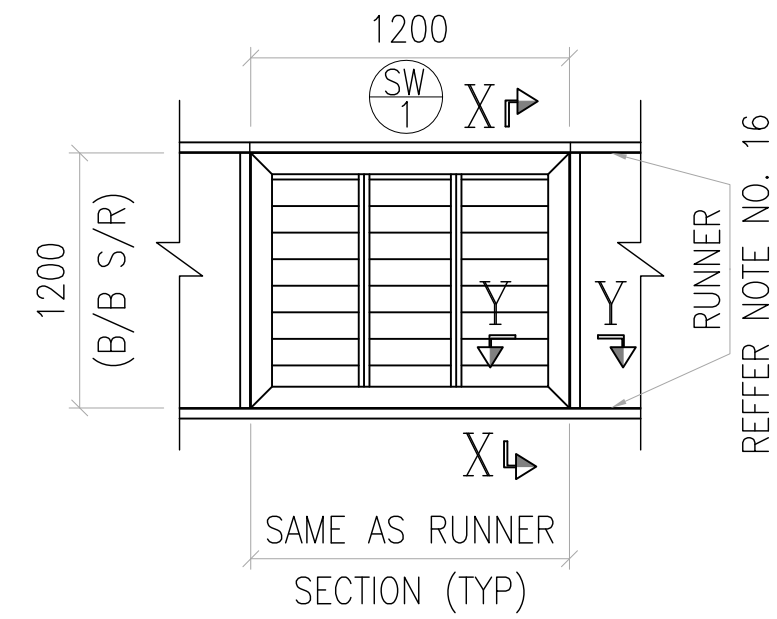
PLAN AT BASE PLATE LEVEL
(SCALE: 1:150)

NOTES:-

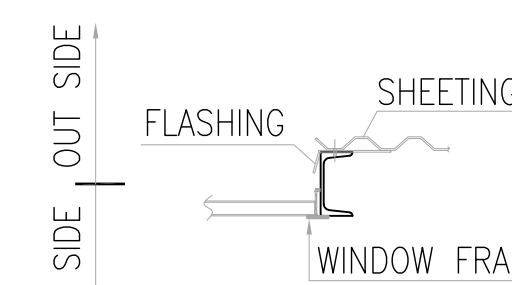
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- WELDED STEEL WIRE FABRIC SHALL CONFORM TO IS:4948

SCHEDULE OF DOORS & WINDOWS:- (AS PER TECHNICAL SPECIFICATION)

SL. NO.	DESCRIPTION	FLOOR LEVEL	SIZE	NUMBER OF WINDOWS	REMARKS
1	W1	EL(+7.000M.	1200x1200	33	STEEL WINDOW WITH FIXED TRANSLUCENT POLYCARBONATE SHEET
		EL(+11.000M.	1200x1200	20	
		EL(+11.750M.	1200x1200	16	
		EL(+15.800M.	1200x1200	25	
		EL(+21.900M.	1200x1200	33	
		EL(+27.400M.	1200x1200	30	
		EL(+36.000M.	1200x1200	29	



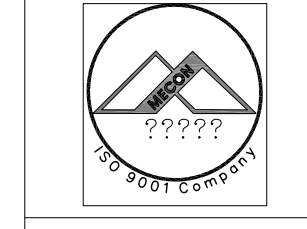
SECTION X-X



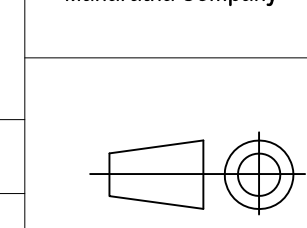
SECTION Y-Y

DETAIL OF WINDOW

OWNER:
NTPCL
CONSULTANT



PROJECT :



SCALE

NTPC-SAIL POWER COMPANY LTD.

MECON LIMITED
(मकॉन लिमिटेड)

**1X250 MW THERMAL POWER PLANT IN
ROURKELA, ODISHA**

**BHARAT HEAVY ELECTRICALS LTD
INDUSTRIAL SYSTEMS GROUP,
BANGALORE**

CRUSHER HOUSE
ARCHITECTURAL DETAILS

NAME	SIGN	DATE	NO. OF VAR
VPD		29.01.2018	
PKRKG/KRB		29.01.2018	
REDDY		29.01.2018	
SCC		29.01.2018	

NO. OF SHEETS
11
SHEET. NO.
09

BHEL JOB NO. BHEL-1SG DRG. NO. IS-1-CE-708-100-C011

SIZE-A1

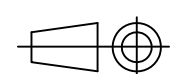
FOR TENDER PURPOSE ONLY



CAD FILE NAME: \\10.75.5.74\9999 mailtree\BAMESH VASHODA\k1 sheeting\arg\22_BHEL_IS-1-CE-708-100-C011 (SH) The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED. It must not be used directly or indirectly in any way detrimental to the interest of the company.

NOTES:-

- ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS ARE IN METRES
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- WELDED STEEL WIRE FABRIC SHALL CONFORM TO IS:4948

OWNER: 		NTPC-SAIL POWER COMPANY LTD.					
CONSULTANT 		MECON LIMITED (मकॉन लिमिटेड)					
PROJECT :		1X250 MW THERMAL POWER PLANT IN ROURKELA, ODISHA					
 Maharatna Company		BHARAT HEAVY ELECTRICALS LTD INDUSTRIAL SYSTEMS GROUP, BANGALORE				NO. OF VAR	
			NAME	SIGN	DATE		
		DRN.	VPD		29.01.2018		
		DESN.	PKRKG/KRB		29.01.2018		
		CHD.	REDDY		29.01.2018		
	APP.	SCC		29.01.2018			
		TITLE : <u>CRUSHER HOUSE</u> ARCHITECTURAL DETAILS				NO. OF SHEETS	11
						SHEET. NO.	10
SCALE	BHEL JOB NO.	BHEL-ISC DRG. NO.:		IS-1-CE-708-100-C011		REV.	2
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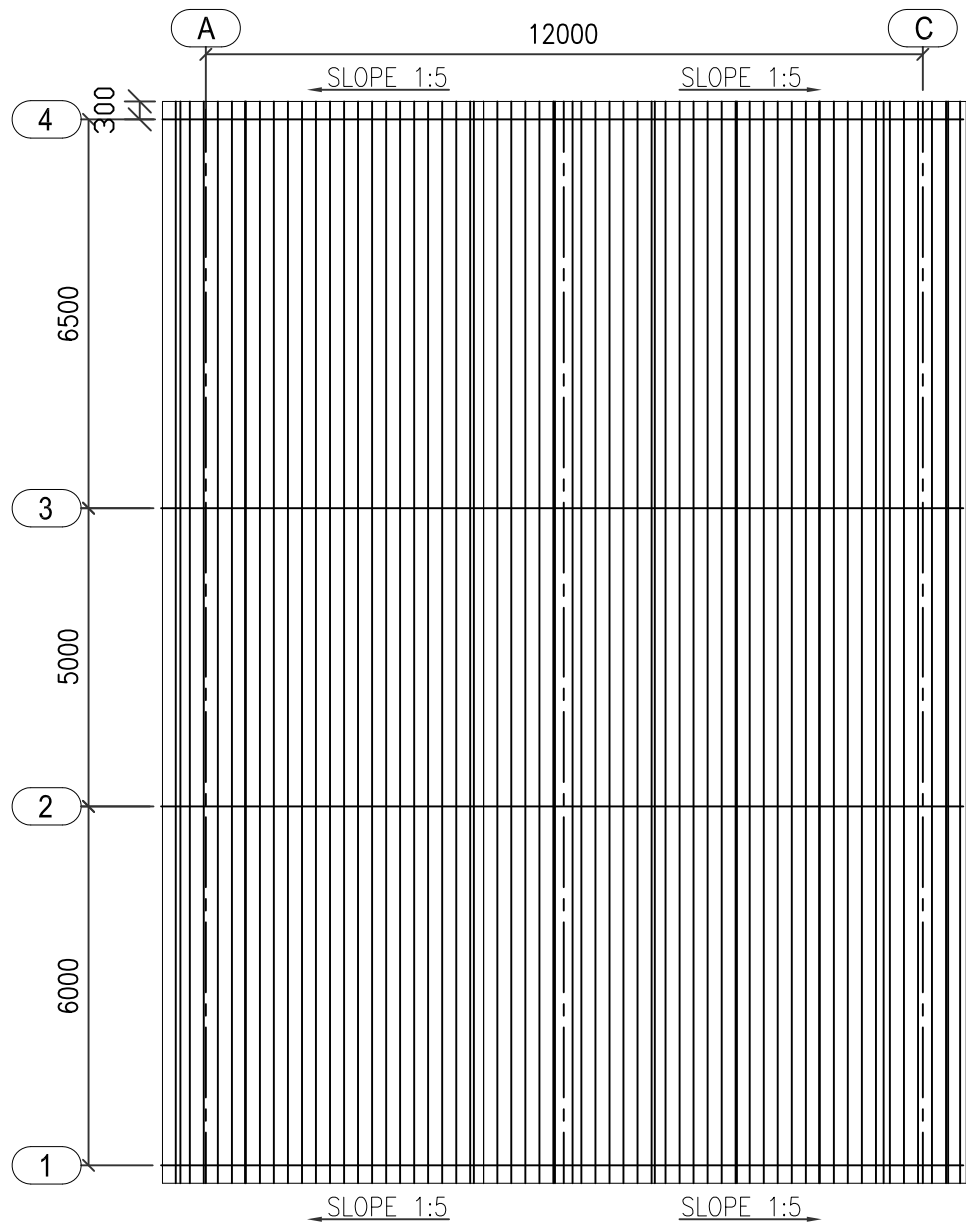
2	07.06.19	REVISED AS PER COMMENTS	PANCHU	SOC
RV/NO	DATE	BRIEF RECORD	DRN.	APP.

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it must not be used directly or indirectly in any way detrimental to the interest of the company.

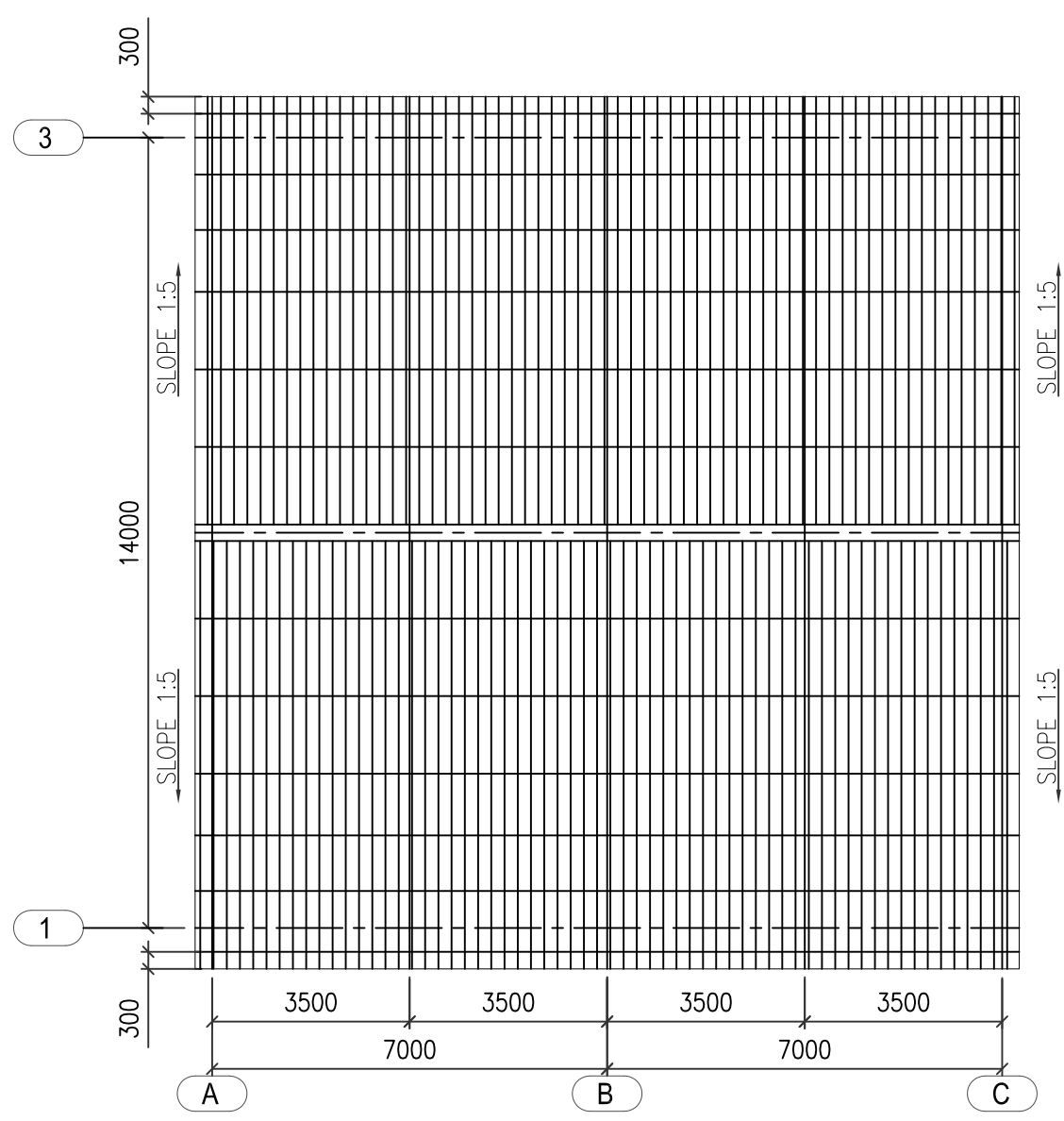
IS-1-CE-708-100-C011
DRAWING NO.

FIRST ANGLE PROJECTION

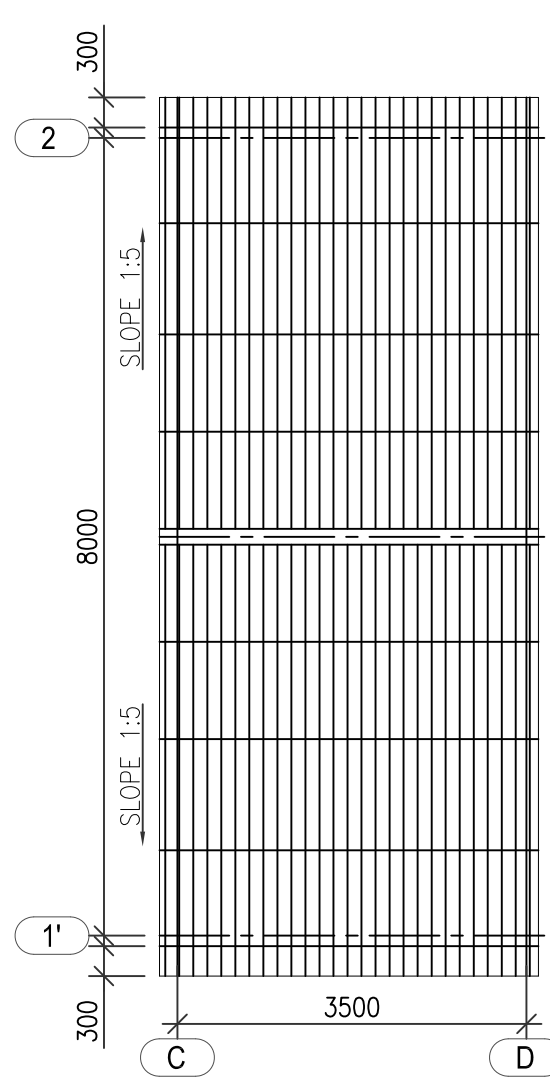
ALL DIMENSIONS ARE IN MM



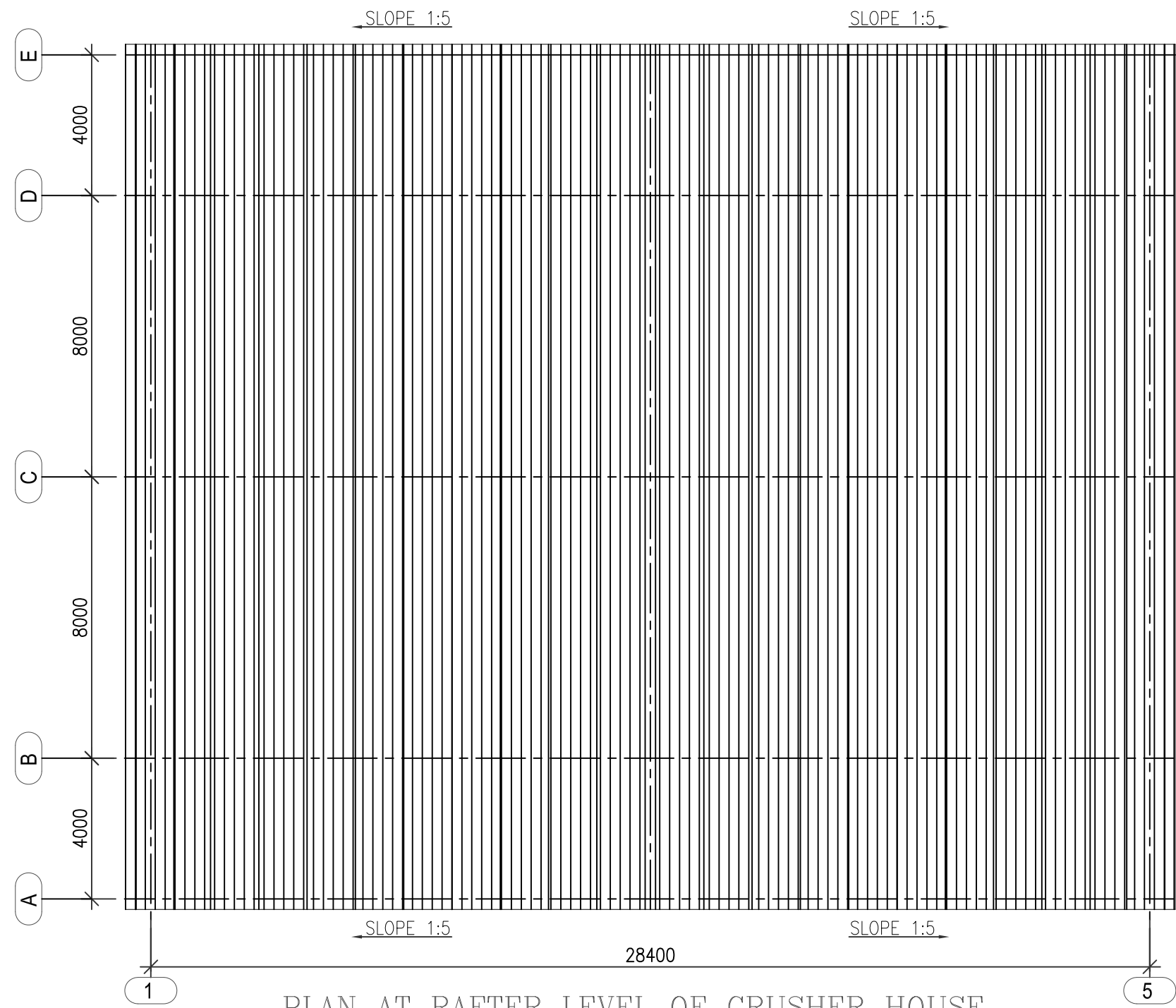
PLAN AT RAFTER LEVEL OF TP-2
(SHOWING ROOF SHEETING ONLY)



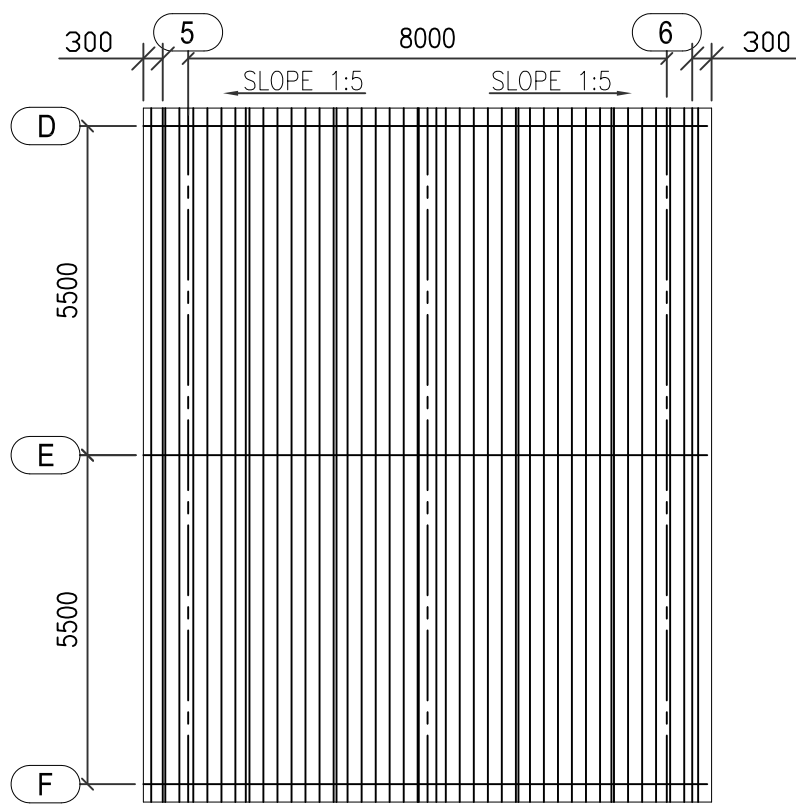
PLAN AT RAFTER LEVEL OF TP-3
(SHOWING ROOF SHEETING ONLY)



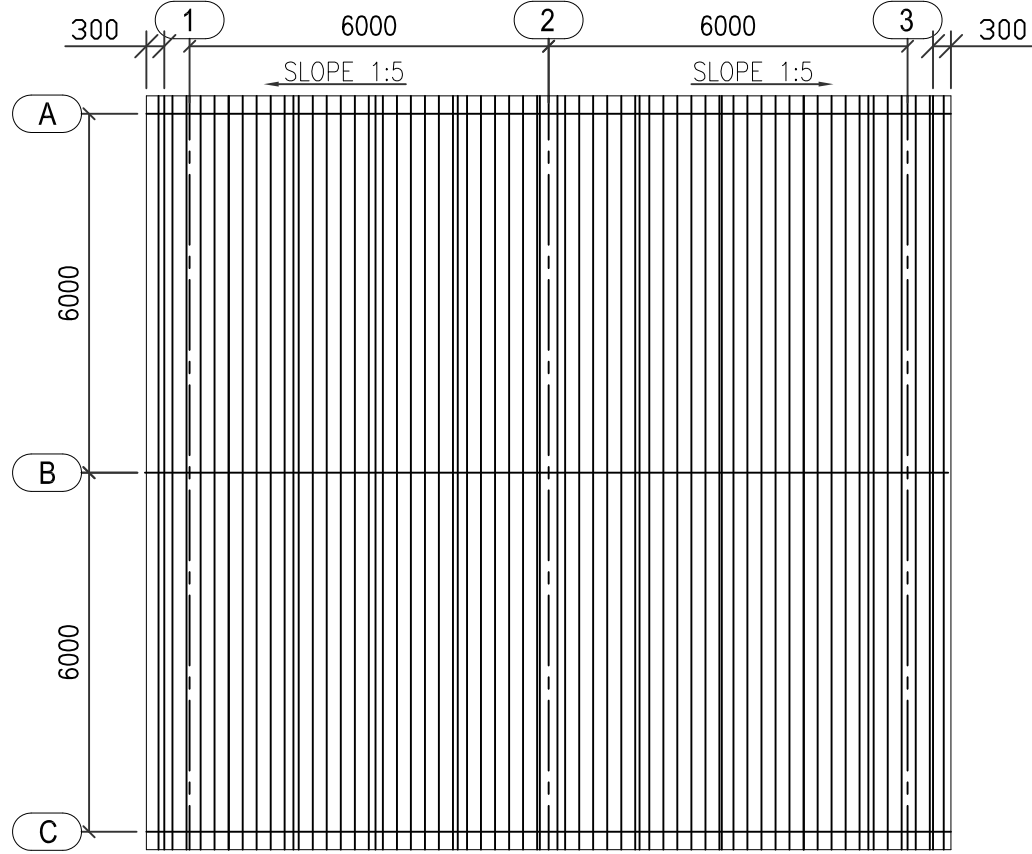
PLAN AT RAFTER LEVEL OF TP-3
(SHOWING ROOF SHEETING ONLY)



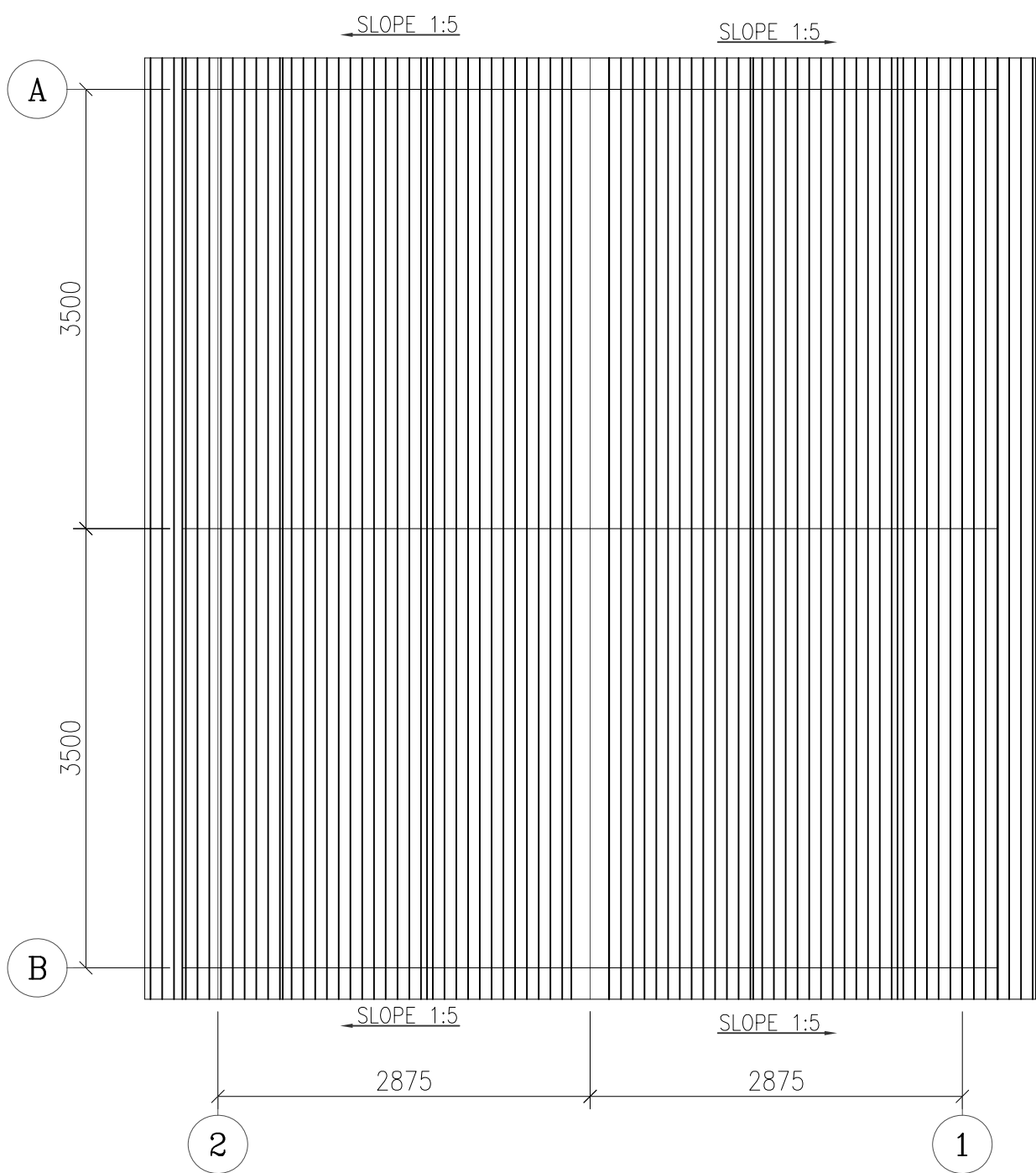
PLAN AT RAFTER LEVEL OF CRUSHER HOUSE
(SHOWING ROOF SHEETING ONLY)



PLAN AT RAFTER LEVEL OF TP-2
(SHOWING ROOF SHEETING ONLY)

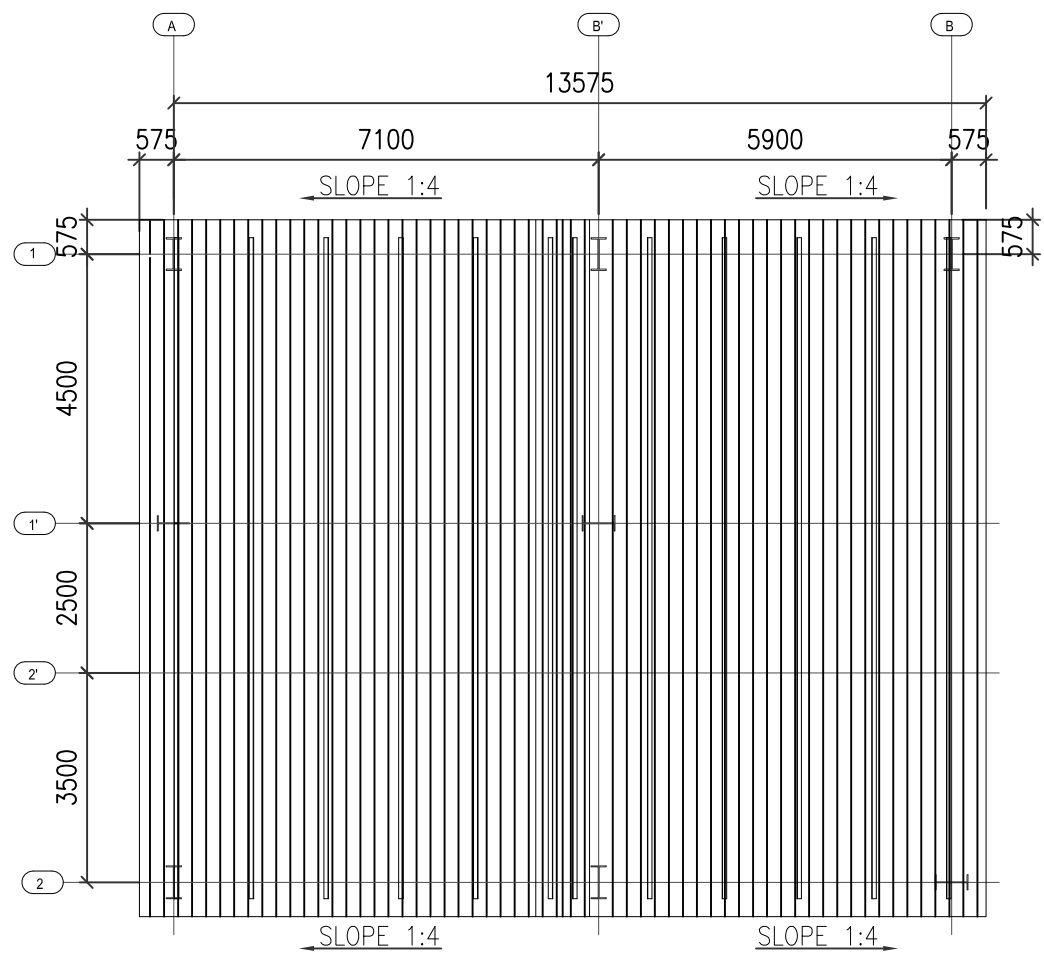


PLAN AT RAFTER LEVEL OF TP-5
(SHOWING ROOF SHEETING ONLY)

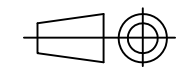


PLAN AT RAFTER LEVEL OF DRIVE HOUSE
(SHOWING ROOF SHEETING ONLY)

FOR TENDER PURPOSE ONLY



PLAN AT RAFTER LEVEL OF TP-4
(SHOWING ROOF SHEETING ONLY)

OWNER: 	NTPC-SAIL POWER COMPANY LTD.				
CONSULTANT 	MECON LIMITED (मकॉन लिमिटेड)				
PROJECT :	1X250 MW THERMAL POWER PLANT IN ROURKELA, ODISHA				
	BHARAT HEAVY ELECTRICALS LTD INDUSTRIAL SYSTEMS GROUP, BANGALORE			NAME	SIGN
	DRN. PANCHU			DATE	NO. OF SHEETS
	CHD. REDDY			DATE	NO. OF SHEETS
	APP. SCC			DATE	NO. OF SHEETS
	TITLE : GA OF ROOF SHEETING TP-2, TP-3, TP-4, TP-5, DRIVE HOUSE, CRUSHER HOUSE.				NO. OF SHEETS
	BHEL JOB NO.				NO. OF SHEETS
SCALE		BHEL-ISG DRG. NO.: IS-1-CE-708-100-C011			REV. 2

02	07.06.2019	REVISED AS PER COMMENTS	PANCHU	SCC
RV.NO.	DATE	BRIEF RECORD	DRN.	APP.