

10 - 021 - 585 - 01C - 1 - 585 - 1
DRG. No.

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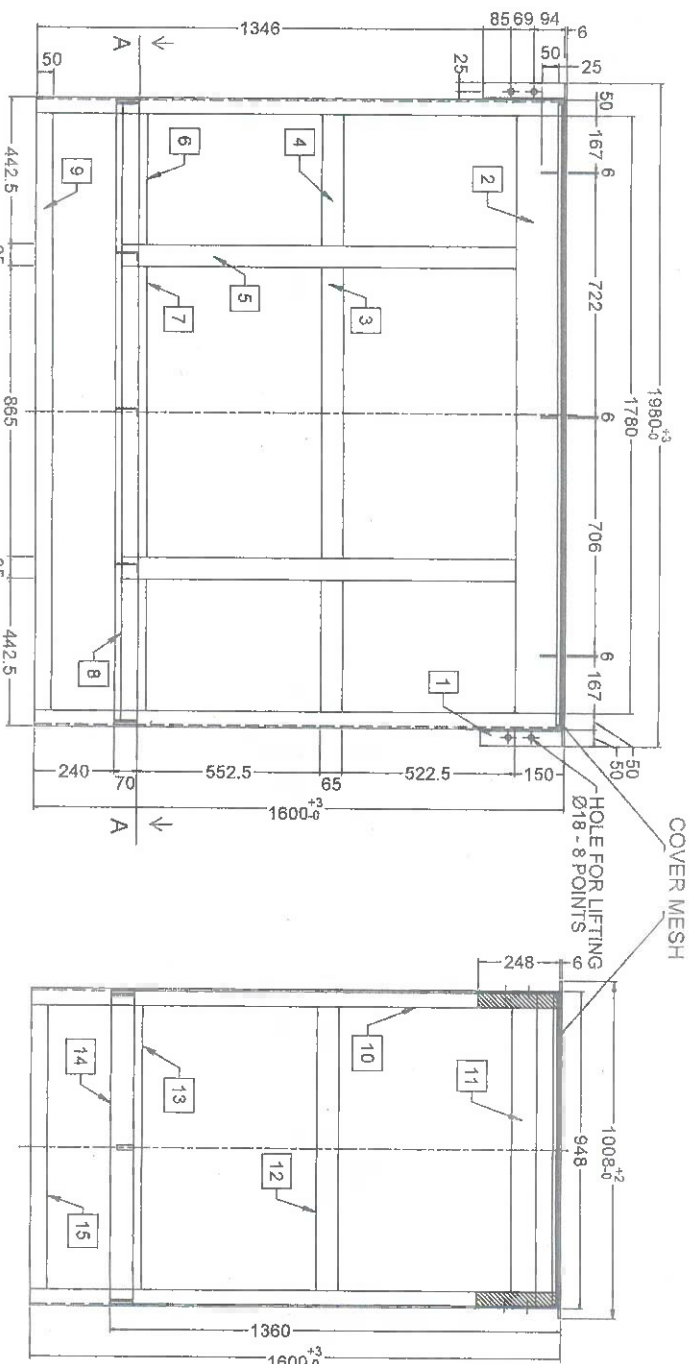
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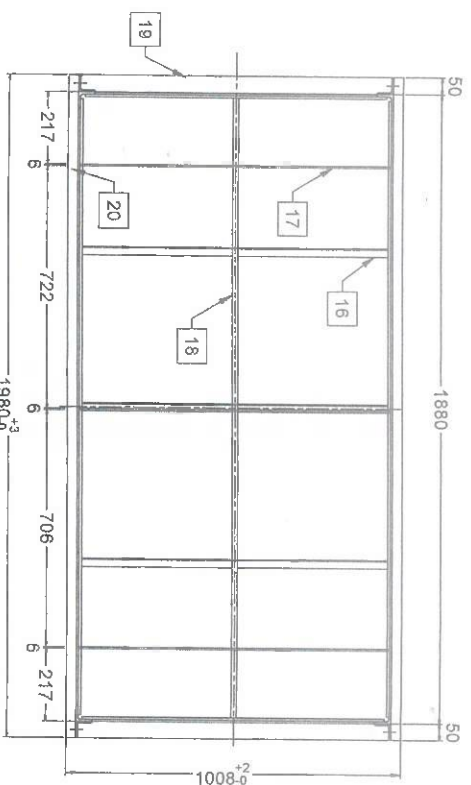
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RHEL SBD
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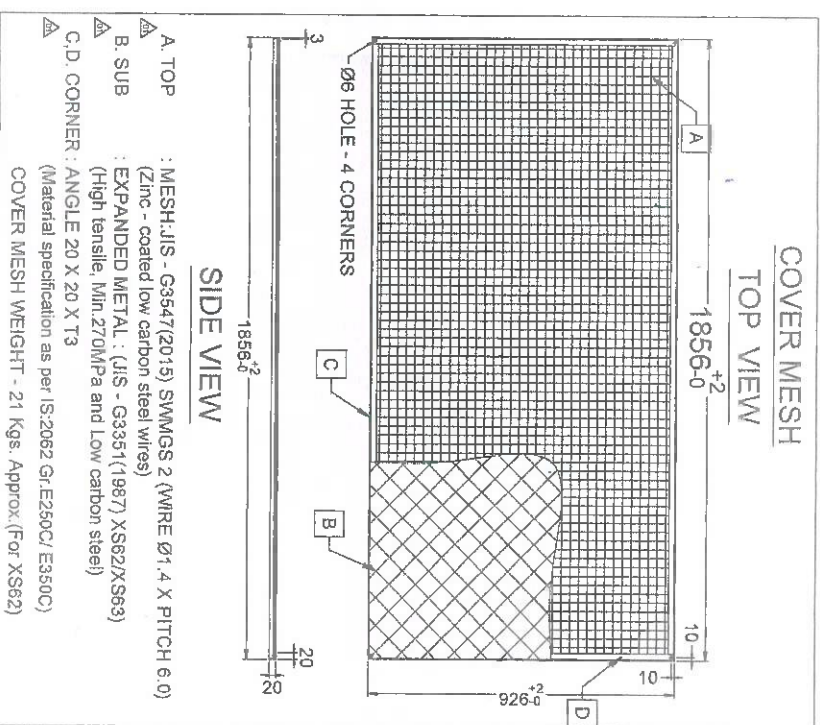
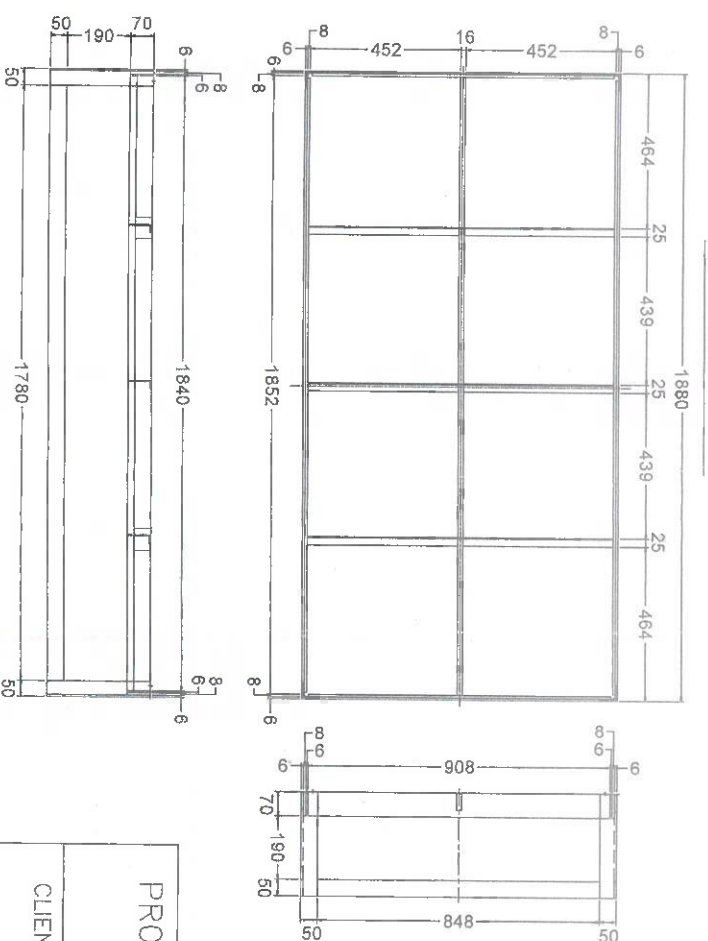
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FRONT VIEW

SIDE VIEW
SECTION "A-A"

TOP VIEW

COVER MESH
TOP VIEW

SIDE VIEW

- A. TOP : MESH, IIS - G3547(2015) SWMGS 2 (WIRE Ø1.4 X PITCH 6.0)
(Zinc - coated low carbon steel wires)
B. SUB : EXPANDED METAL : (IIS - G3351(1987) XSR2XSR3)
(High tensile, Min 270MPa and Low carbon steel)
C.D. CORNER : ANGLE 20 X 20 X 13
(Material specification as per IS:2062 Gr.E250C/ E350C)
COVER MESH WEIGHT - 21 Kgs. Approx. (For XSR2)

BILL OF MATERIAL / COVER MESH			
NO.	DESCRIPTION	DIMENSION	QTY.
A	MESH (SWMGS 2)	1850X 920	1
B	Expanded Metal	1850 x 920	1
C	Angle (20x20x3)	1850	2
D	Angle (20x20x3)	926	2

BILL OF MATERIAL / CATALYST CAGE			
NO.	DESCRIPTION	DIMENSION	QTY.
1	Angle 50x50x6	248	4
2	Plate - T6	1780 x 150	2
3	Plate - T6	865 x 65	2
4	Plate - T6	392.5 x 65	4
5	Plate - T6	1190 x 65	4
6	Plate - T6	392.5 x 25	4
7	Plate - T6	865 x 25	2
8	Plate - T8	1840 x 70	2
9	Plate - T6	1780 x 50	2
10	Angle 50x50x6	1600	4
11	Plate - T6	848 x 150	2
12	Plate - T6	848 x 65	2
13	Plate - T6	848 x 25	2
14	Plate - T8	908 x 70	2
15	Plate - T6	848 x 50	2
16	Angle - 70x25x4	920	3
17	Plate - T6	936 x 50	3
18	Plate - T16	1852 x 50	1
19	Plate - T6	1008 x 50	2
20	Plate - T6	1880 x 30	2

NO. OF PLATES INSIDE THE INNER BOX = 56
NO. OF INNER BOX INSIDE THE CAGE = 16
INNER BOX DIMENSIONS = 464X464X585

- ▲ MATERIAL SPECIFICATION AS PER IS:2062 Gr.E250C/ E350C
▲ UNSPECIFIED TOLERANCE AS PER IS: 2102, CLASS(C)/LAT. (REV.)
▲ TOTAL WEIGHT - (178.21 + 21) = 199.21 Kgs. Approx.

REF. DRG. No.

SIGN. & DATE

INVENTORY No.

REV.	DATE	SIGN	NAME	DATE
01	31.10.2022	APPROVED	A.K.	24.08.2022
01	31.10.2022	CHECKED	P.M.	24.08.2022
01	31.10.2022	APPROVED	A.K.	24.08.2022
01	31.10.2022	CHECKED	P.M.	24.08.2022
01	31.10.2022	APPROVED	A.K.	24.08.2022

- BOM SI. No. 01, Angle 45x45x76 replaced by 50x50x76, SI.No.19, Plate T6 1008x45 to 1008x50.
- Top cover mesh specifications included.
- Unspecified Tolerance included.
- Material spec. IS:2062 GR.350C included in Welding std. and instructions are included in Welding drawing.

REV.	DATE	SIGN	NAME	DATE
01	31.10.2022	APPROVED	A.K.	24.08.2022
01	31.10.2022	CHECKED	P.M.	24.08.2022
01	31.10.2022	APPROVED	A.K.	24.08.2022
01	31.10.2022	CHECKED	P.M.	24.08.2022
01	31.10.2022	APPROVED	A.K.	24.08.2022

BHARAT HEAVY ELECTRICALS LIMITED. SOLAR BUSINESS DIVISION, BANGALORE			
CATALYST CAGE			
TITLE:			
		No. OF SHEETS	0
		SHEET No.	0
		REV	0

BHEL DRG. No.	4	0007	4	010	507	100
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INVENTORY No. _____

REV.	DATE
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NA	WN
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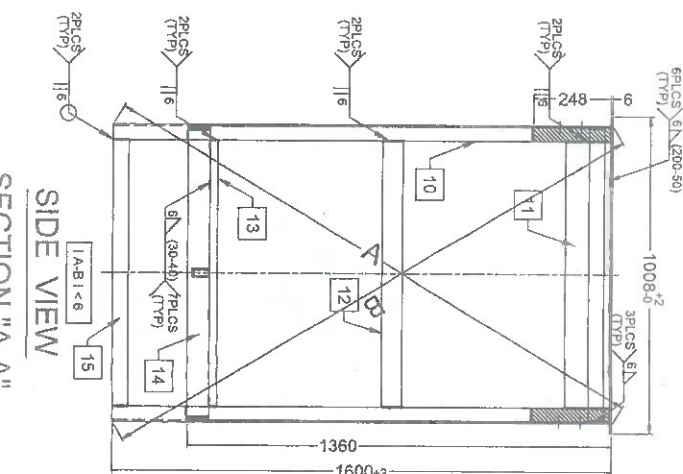
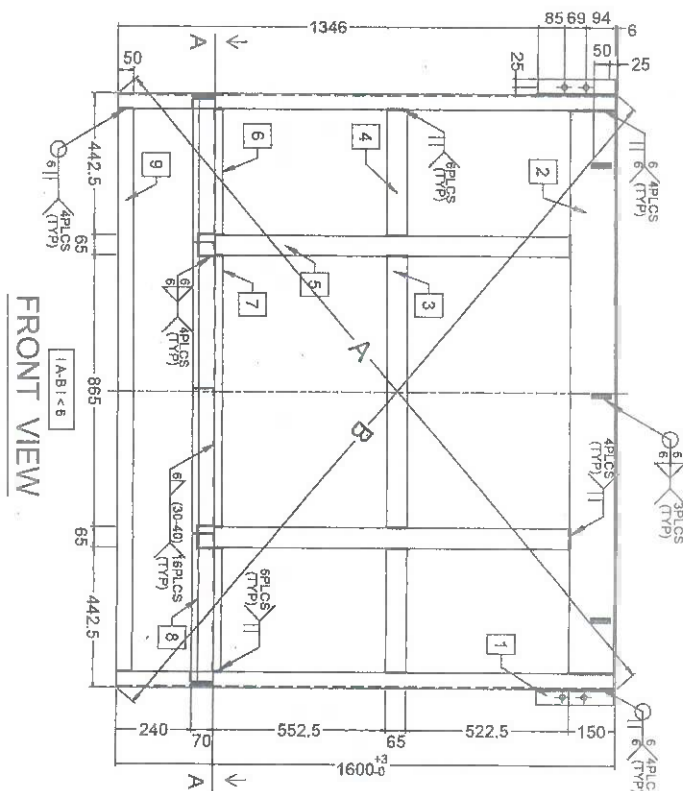
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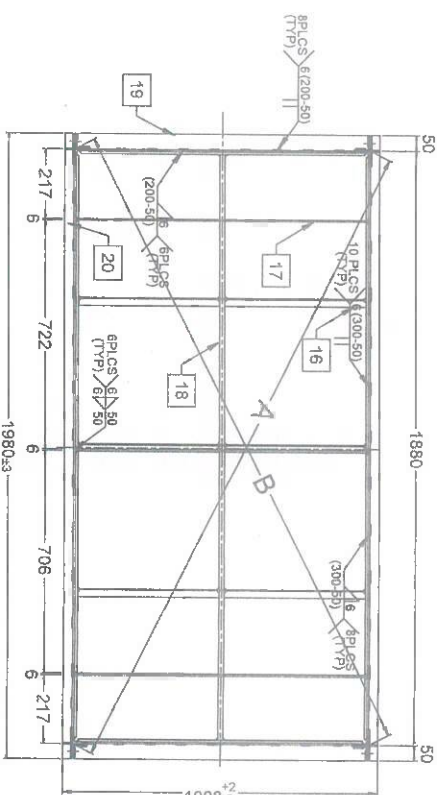
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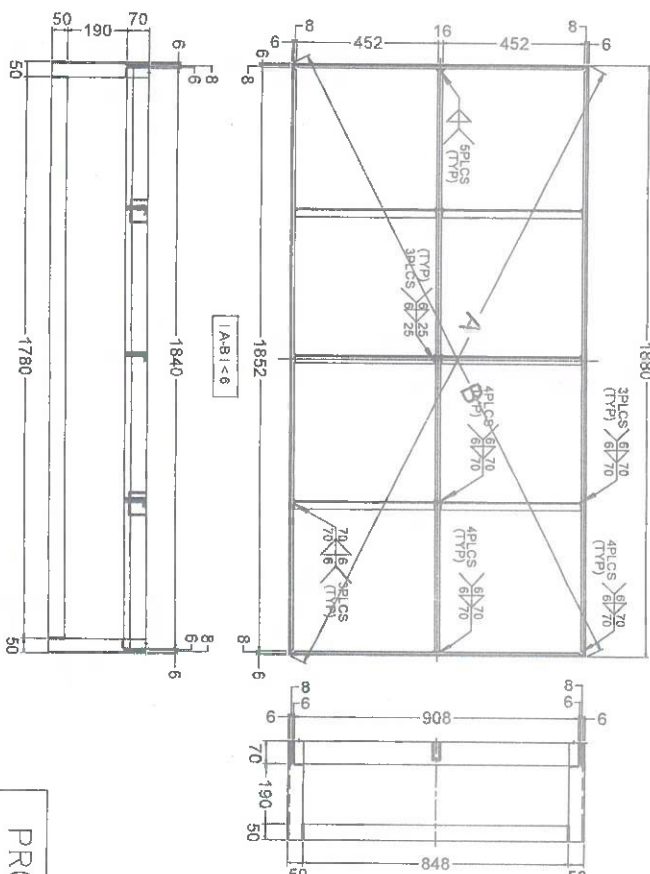
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SECTION "A-A"



TOP VIEW



	FULL WELD AROUND
	FILLET WELD ONE SIDE
	FILLET WELD DOUBLE SIDE
	SQUARE GROOVE WELD

WELDING STANDARDS AS PER IS:9595(1996)

BILL OF MATERIAL / COVER MESH			
NO.	DESCRIPTION	DIMENSION	QTY.
A	Mesh (SWMGS 2)	1850X 920	1
B	Expanded Metal	1850 x 920	1
C	Angle (20x20x3)	1856	2
D	Angle (20x20x3)	926	2

BILL OF MATERIAL / CATALYST CAGE			
NO.	DESCRIPTION	DIMENSION	QTY.
1	Angle 50x50x6	248	4
2	Plate - T6	1780 x 150	2
3	Plate - T6	865 x 65	2
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14	Plate - T8	908 x 70	2
15	Plate - T6	848 x 50	2
16	Angle - 70x25x4	920	3
17	Plate - T6	936 x 50	3
18	Plate - T16	1852 x 50	1
19	Plate - T6	1008 x 50	2
20	Plate - T6	1880 x 30	2

PROJECT TITLE :

TSGENCO YADADRI 5X800MW

CLIENT :

TSGENCO

BHARAT HEAVY ELECTRICALS LIMITED.
SOLAR BUSINESS DIVISION, BANGALORE

TITLE:

CATALYST CAGE

BH&L DRG. No.

1 - 985 - 1 - 310 - 585 - 120

INVENTORY No. SIGN. & DATE REF. DRG. No.

REV.	DATE	SIGN	REV.	DATE	NAME	DATE
ALTERED			ALTERED		R.K.	
CHECKED			CHECKED		P.M.	
APPROVED			APPROVED		A.K.	
01	31.10.2022		APPROVED		A.K.	

1. BOM Sl. No. 01, Angle 45x45x76 replaced by 50x50x76. Sl.No.19, Plate T6 1008x45 to 1008x50.
2. Top cover mesh specifications included.
3. Unspecified Tolerance included.
4. Material spec. IS:2062 GR.350C included.
5. Welding std. and instructions are included in Welding drawing.

DRAWN	R.K.	24.08.2022
CHECKED	P.M.	24.08.2022
APPROVED	A.K.	24.08.2022

DISTRIBUTION OF PRINTS

DEPT.	CODE
SCR - SBD	1800



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