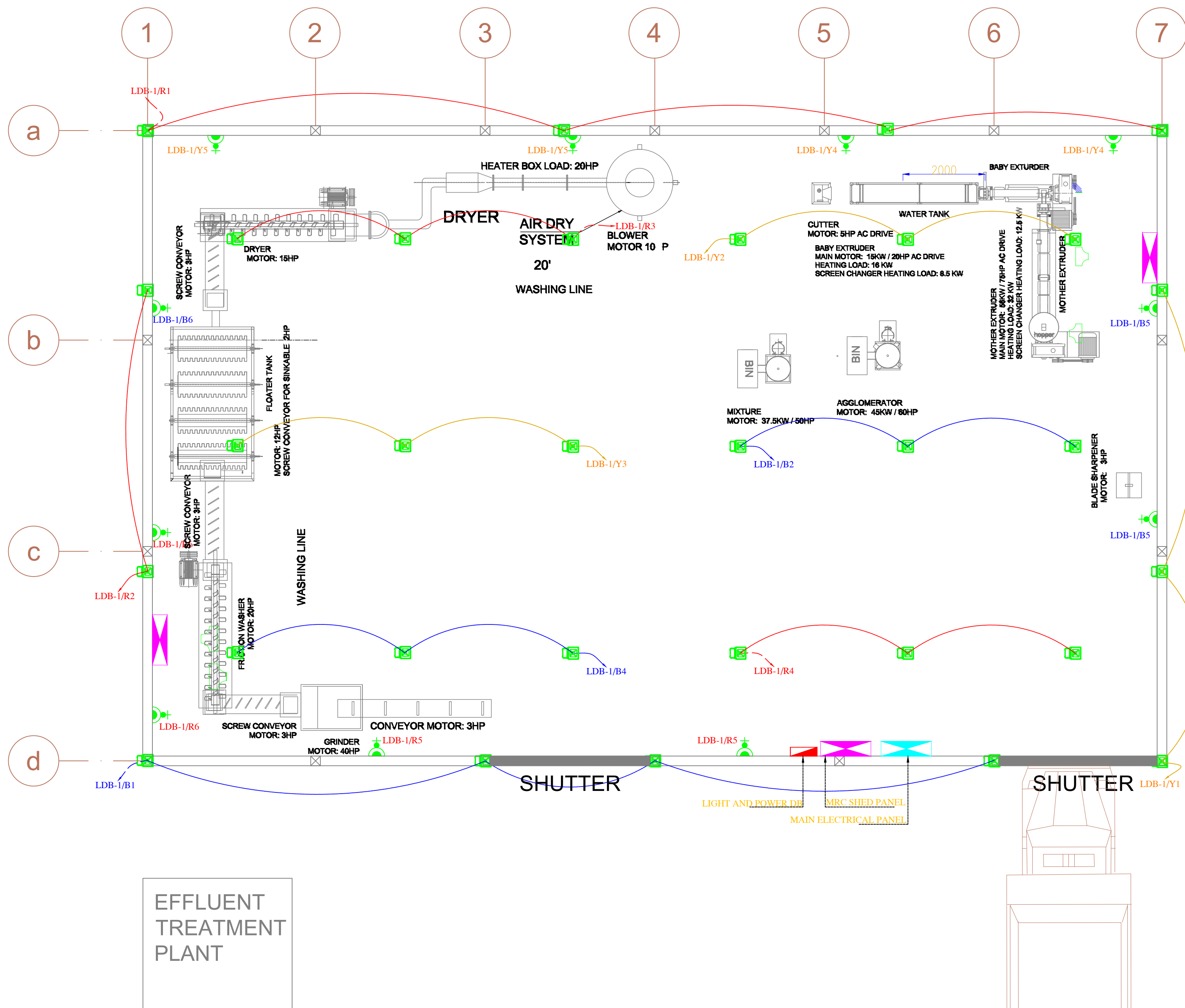




LIGHTING DISTRIBUTION BOARD-1 (LDB-1)					ENTRANCE WALL - MRC SHED						
(8WAY TPN)											
CKT.	LOCATION		TOTAL NUMBER OF POINTS	ELECT.LOAD IN (W)	SP MCB SIZE (A)	WIRE SIZE					
							R	Y	B		
R1			80W LED BULK HEAD LIGHT CIRCUIT	04	320	10	1.5/1.5				
R2			80W LED BULK HEAD LIGHT CIRCUIT	03	240	10	1.5/1.5				
R3			80W LED BULK HEAD LIGHT CIRCUIT	03	240	10	1.5/1.5				
R4			80W LED BULK HEAD LIGHT CIRCUIT	03	240	10	1.5/1.5				
R5			16A SOCKETS	02	1000	16	1.5/1.5				
R6			16A SOCKETS	02	1000	16	2.5/1.5				
R7			SPARE			16	2.5/1.5				
R8			SPARE			16					
	Y1		80W LED BULK HEAD LIGHT CIRCUIT	03	240	10	1.5/1.5				
	Y2		80W LED BULK HEAD LIGHT CIRCUIT	03	240	10	1.5/1.5				
	Y3		80W LED BULK HEAD LIGHT CIRCUIT	03	240	10	1.5/1.5				
	Y4		16A SOCKETS	02	1000	16	1.5/1.5				
	Y5		16A SOCKETS	02	1000	16	2.5/1.5				
	Y6		16A SOCKETS	01	500	16	2.5/1.5				
	Y7		SPARE			16	2.5/1.5				
	Y8		SPARE			16					
	B1		80W LED BULK HEAD LIGHT CIRCUIT	04	320	10	1.5/1.5				
	B2		80W LED BULK HEAD LIGHT CIRCUIT	03	240	10	1.5/1.5				
	B3		80W LED BULK HEAD LIGHT CIRCUIT	03	240	10	1.5/1.5				
	B4		80W LED BULK HEAD LIGHT CIRCUIT	03	240	10	1.5/1.5				
	B5		16A SOCKETS	02	1000	16	2.5/1.5				
	B6		SPARE			16	2.5/1.5				
	B7		SPARE			16	2.5/1.5				
	B8		SPARE			16					
			TOTAL		3040	3220	2040			PER PHASE	
			INCOMING-60A TPN+L MCB (16kA)							TOTAL CONNECTED LOAD:-8.300 kW	
			INCOMING WIRE SIZE-4x10.0 Sq.mm. + 2 X 6.0 Sq. mm Aluminium Ar. cable from MLTP								

ELECTRICAL NOTES :

- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL STRUCTURAL AND ELECTRICAL DRAWING.
- MINIMUM SIZE OF CONDUIT SHALL BE 25 MM ϕ
- ALL SWITCH SOCKET SHALL BE AS PER CPWD GUIDELINE. ALL BOX SHALL BE OF GALVANISED MS.
- SIZE OF WIRING SHALL BE AS BELOW
LIGHT POINTS - 2x1.5+1x1.5 Sqmm Cu. FRLS WIRE
AC/GYSER POINT(FIRST POINT)-2x4.0+1x2.5 SqmmCu. FRLS WIRE
GEN.POWER POINT(FIRST POINT)-2x2.5+1x1.5 SqmmCu. FRLS WIRE
- MAXIMUM TWO NORMAL POWER POINT CAN BE CONNECTED WITH ONE CIRCUIT
- MAXIMUM TWO NOS. CKTS. OF SAME PHASE CAN BE LAID IN SINGLE CONDUIT.
- SEPARATE CONDUIT FOR LIGHTING AND POWER TO BE USED
- 230 MM BRICK WALL REQUIRED FOR FIXING OF DB.

ELECTRICAL LEGENDS:		
SYMBOL	DESCRIPTION	Mounting Height (Box Bottom from FFL)
	WALL BRACKET LIGHT	+2100 mm
	20W LED SURFACE MOUNTED LIGHT	On Ceiling
	SWITCHES	+1100 mm
	EXHAUST FAN	As/ Ventilator
	600x600mm Recessed LED Light	On Ceiling
	LED BATTEN LIGHT	On Ceiling
	20W RECESS MOUNTED CEILING LIGHT	On Ceiling
	LED BATTEN LIGHT ON EMERGENCY	On Ceiling
	16A SOCKET WITH 16A SWITCH	+300mm Or as per Furniture Height
	5A SOCKET WITH FOR EXHAUST	Near Exhaust fan
	CEILING FAN - 1200MM DIA.	On Ceiling
	CEILING FAN - REGULATOR,	On Switch Board
	5A SOCKET WITH 6A SWITCH	On Switch Board
	BULK HEAD LIGHT	As/ parapet Wall
	COMMON AREA DB	+1800 (DB Centre)
	EMERGENCY DB	+1800 (DB Centre)
	TYPICAL UNIT DB	+1800 (DB Centre)
	EMERGENCY CONDUIT 25MM ϕ	-
	CONDUIT 25MM ϕ	-
	SUBMAIN CONDUIT 32MM ϕ	-
	LED BATTEN LIGHT	On Wall
	LED STRIP LIGHT	In Cupboard
	LED Wall Bracket LIGHT	On Wall
	USB Charging Point	-
	TV Outlet	+1200 mm
	6A Socket with switch for TV	+1200 mm
	Telephone Outlet	-
	20A socket for Gysar	-
	Table lamp Socket outlet	-
	DATA Socket Outlet	-
	20A socket Outlet for AC	-
	indoor camera	
	outdoor camera	
	6A Socket for Camera	

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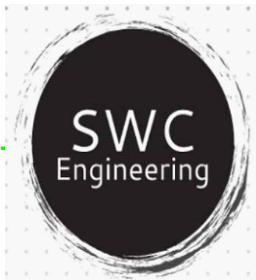
ALL WRITTEN DIMENSIONS ARE TO BE FOLLOWED AND THE DRAWING IS NOT TO BE SCALED.

PROJECT :-

PROPOSED NDMC WASTE RECYCLING PLANT AT JAMMU

MEP CONSULTANTS:

SWC ENGINEERING
599, Ground Floor, HBC Sector-
Gurgaon, Haryana-122002
M.+91-9560658972
E-mail: engineering.swc@gmail.com



DRAWING TITLE :

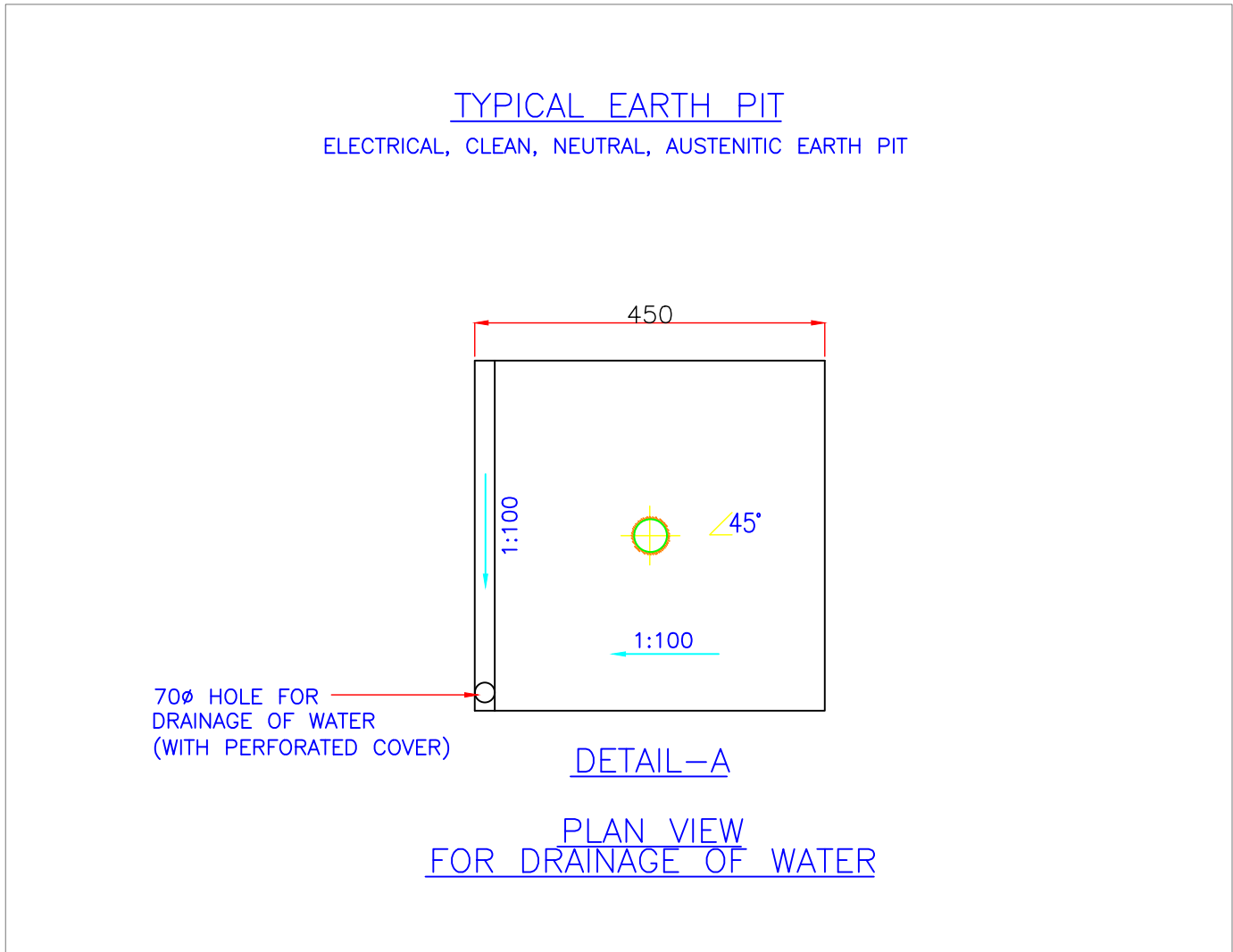
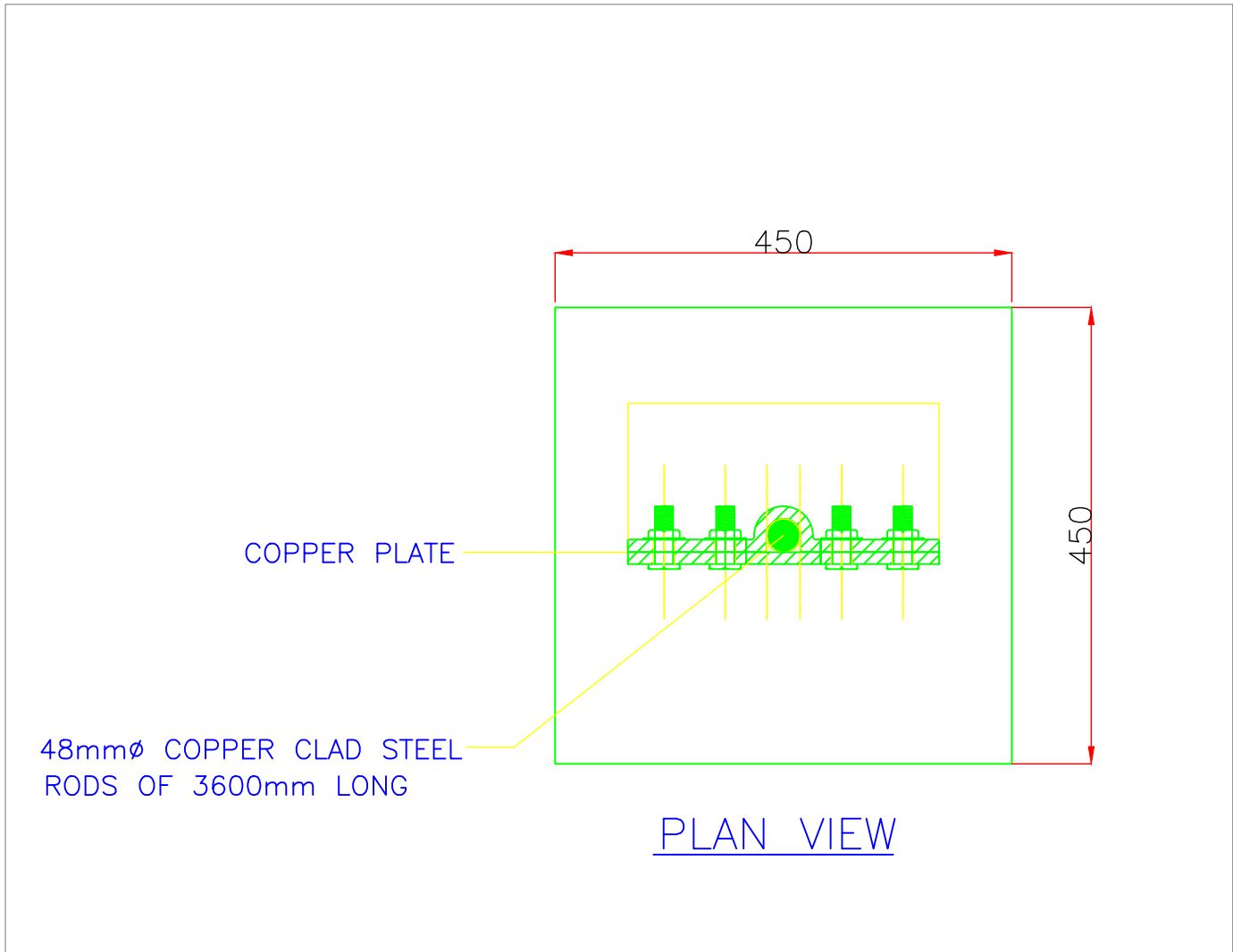
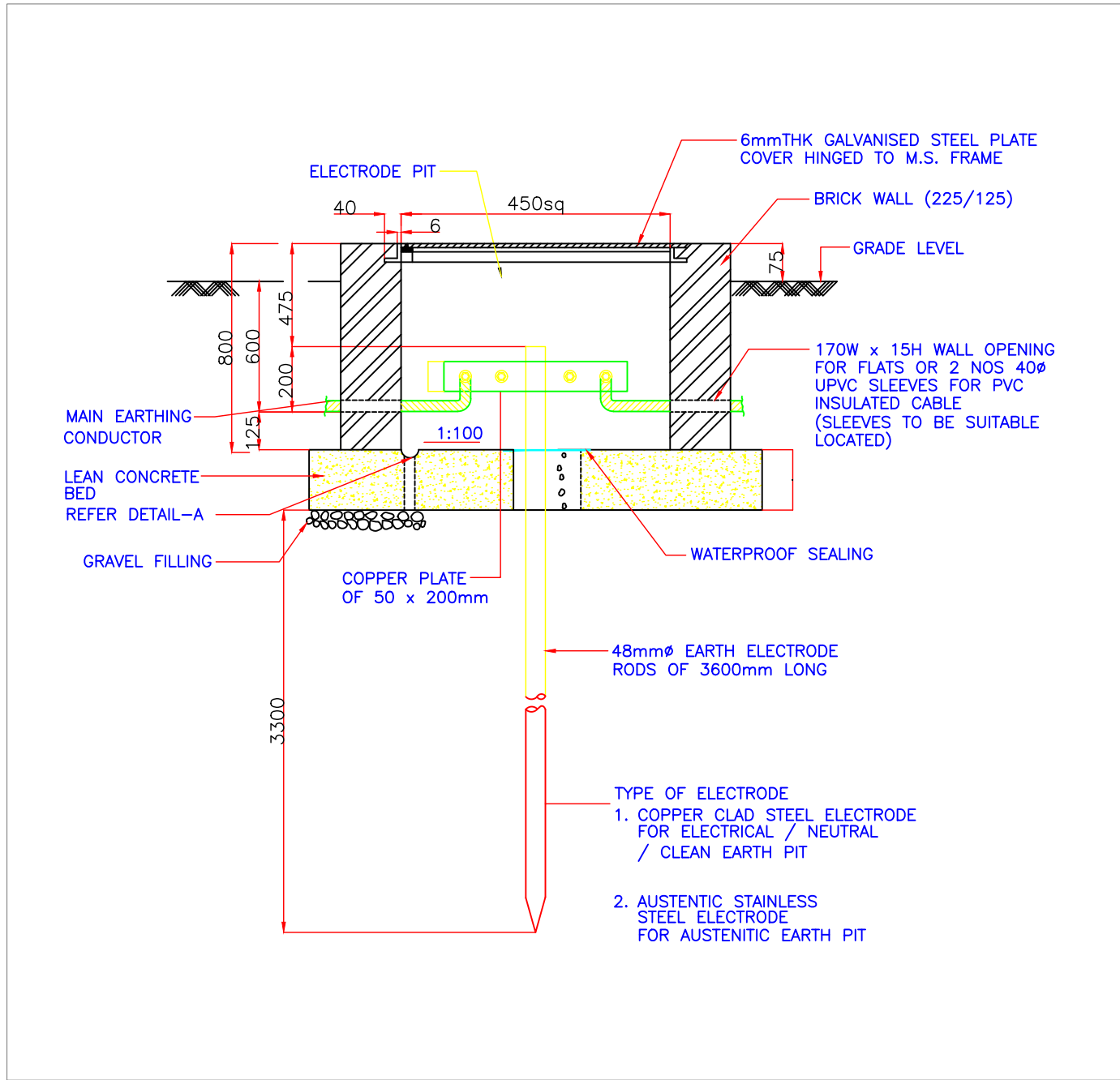
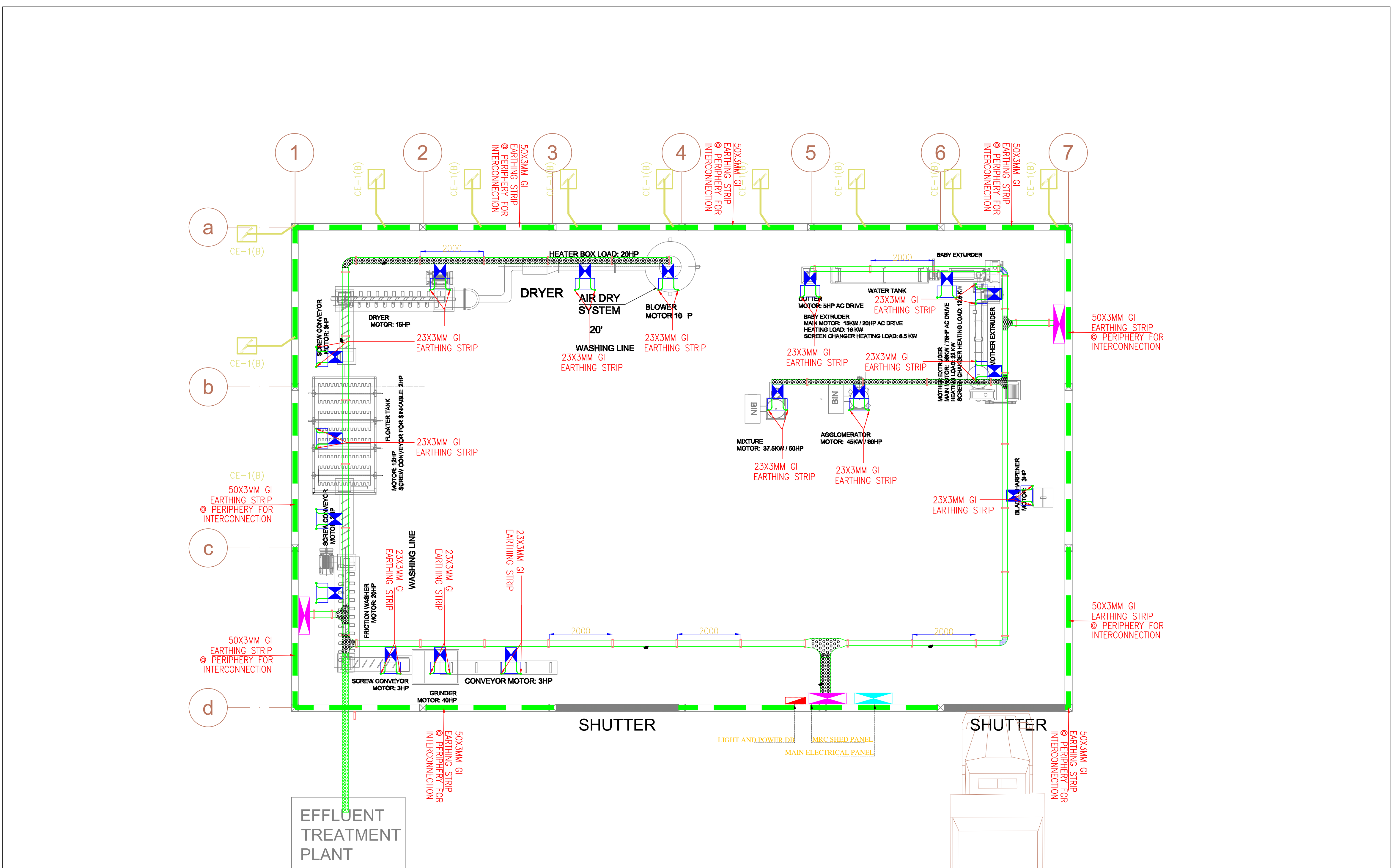
**MRC LIGHTING & POWER LAYOUT
WASTE PROCESSING PLANT**

Scale : **1:100 (A1)** Drawn by : **NAVDEEP**
Date : **01.05.2023** Checked by: **S.SHARMA**
Project no : **0002** Approved by :

Drawing no :

ELEC.-MRC&MRF-WASTE-002

REVISION



ELECTRICAL LEGENDS:		
SYMBOL	DESCRIPTION	Mounting Height (Box Bottom from FFL)
♀	WALL BRACKET LIGHT	+2100 mm
⊕	20W LED SURFACE MOUNTED LIGHT	On Ceiling
⚡	SWITCHES	+1100 mm
🌀	EXHAUST FAN	As/ Ventilator
⊞	600x600mm Recessed LED Light	On Ceiling
—	LED BATTEN LIGHT	On Ceiling
⬢	20W RECESS MOUNTED CEILING LIGHT	On Ceiling
—	LED BATTEN LIGHT ON EMERGENCY	On Ceiling
⚡	16A SOCKET WITH 16A SWITCH	+300mm Or as per Furniture Height
🌀	5A SOCKET WITH FOR EXHAUST	Near Exhaust fan
🌀	CEILING FAN — 1200MM DIA.	On Ceiling
🌀	CEILING FAN — REGULATOR.	On Switch Board
🌀	5A SOCKET WITH 6A SWITCH	On Switch Board
🌀	BULK HEAD LIGHT	As/ parapet Wall
🌀	COMMON AREA DB	+1800 (DB Centre)
🌀	EMERGENCY DB	+1800 (DB Centre)
🌀	TYPICAL UNIT DB	+1800 (DB Centre)
—	EMERGENCY CONDUIT 25MM ⌀	—
—	CONDUIT 25MM ⌀	—
—	SUBMAIN CONDUIT 32MM ⌀	—
—	LED BATTEN LIGHT	On Wall
—	LED STRIP LIGHT	In Cupboard
—	LED Wall Bracket LIGHT	On Wall
—	USB Charging Point	—
📺	TV Outlet	+1200 mm
📺	6A Socket with switch for TV	+1200 mm
📺	Telephone Outlet	—
📺	20A socket for Gysar	—
📺	Table lamp Socket outlet	—
📺	DATA Socket Outlet	—
📺	20A socket Outlet for AC	—
📺	indoor camera	—
📺	outdoor camera	—
📺	6A Socket for Camera	—

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PROJECT :-

PROPOSED NDMC WASTE RECYCLING PLANT AT JAMMU

MEP CONSULTANTS:
SWC ENGINEERING
599, Ground Floor, HBC Sector-
Gurgaon, Haryana-122002
M.+91-9560658972
E-mail: engineering.swc@gmail.com

DRAWING TITLE :
**MRC EARTHING LAYOUT
WASTE PROCESSING PLANT**

Scale : 1:100 (A1) Drawn by : NAVDEEP
Date : 01.05.2023 Checked by: S.SHARMA
Project no : 0002 Approved by :

Drawing no :
ELEC.-MRC&MRF-WASTE-003

REVISION