



















NOTES

1. THE TUBES SHALL BE OF SELECTION IN SERIES.
2. THE TUBES SHALL BE OF TYPE I OR II A & FOM III C.
3. THE TUBES ASSIGNED SHALL BE SITE RADIATED AND
4. OUTLET PIPING SHALL BE LOCATED TO PROVIDE RECOVERY LINE
5. THE TUBES SHALL BE LINED AT THE JOINTS OF 1,300 TONNAGE THE
6. EXPANSION LOCK SHALL BE PROVIDED WITH THERMOPLASTIC TYPE
7. MATERIALS AT EVERY 30 METER OF STAINLESS IRON STEEL LINE
8. ALL PHS SITUATIONS SHALL BE SITE RADIATED AS PER DRAWING
9. THE TUBES SHALL BE PROVIDED WITH AN INSULATION
10. ALUMINUM SHALL BE PROVIDED WITH AN INSULATION
11. MAXIMUM WORKING PRESSURE OF STEEL LINE IS 10.5 kg/cm² AND
12. ALL PHS LINE SHALL BE TESTED AT 22kg/cm²
13. SECTIONS OF METALLIC WOOL OF THICKNESS 3MM & FINISHED WITH
14. 2% SMO. AT CLADDING.

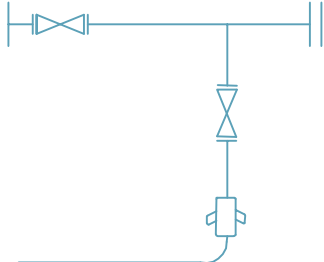
BILL OF MATERIALS

NO.	DESCRIPTION	SIZE	QUANTITY
1	SEAMLESS PIPE SCH 40 BR	20.0NB	02.00 MTRS
2	SEAMLESS PIPE SCH 40 BR	100.0NB	101.0 MTRS
3	SEAMLESS PIPE SCH 40 BR	50.0NB	43.00 MTRS
4	SEAMLESS PIPE SCH 40 BR	25.0NB	07.00 MTRS
5	SEAMLESS PIPE SCH 40 BR	20.0NB	10.00 MTRS
6	SEAMLESS ELBOW BR 90°	100.0NB	12.00S
7	SEAMLESS ELBOW BR 90°	50.0NB	06.00S
8	SEAMLESS ELBOW BR 90°	25.0NB	02.00S
9	SEAMLESS BLOW BR 90°	20.0NB	06.00S
10	CLASS 150 FLANGE BR	200.0NB	02.00S
11	CLASS 150 FLANGE BR	100.0NB	28.00S
12	CLASS 150 FLANGE BR	50.0NB	26.00S
13	CLASS 150 FLANGE BR	25.0NB	04.00S
14	CLASS 150 FLANGE BR	20.0NB	12.00S
15	SLIP ON FLANGE TABLE HR	80.0NB	12.00S
16	DUMMAY FLANGE CLASS 150 BR	200.0NB	02.00S
17	DUMMAY FLANGE CLASS 150 BR	100.0NB	02.00S
18	CS CLASS 150 GLOBE VALVE BR FIE	100.0NB	02.00S
19	CS CLASS 150 GLOBE VALVE BR FIE	50.0NB	06.00S
20	SW FORGED STEEL GLOBE VALVE BR	25.0NB	02.00S
21	SW FORGED STEEL GLOBE VALVE BR	20.0NB	06.00S
22	SAFETY VALVE BR	40.0NB	07.00S
23	TERMOHYDRAULIC STEAM TRAP ASSEMBLY	25.0NB	07.00S
24	TERMOHYDRAULIC STEAM TRAP ASSEMBLY	20.0NB	03.00S
25	PRESSURE/RELIEF WITH SPYROL	0.2KICOM	06.00S
TOTAL LENGTH OF PIPE		158.30 MTRS	

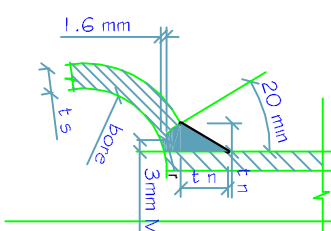
LEGEND

- | | |
|---|-------------------------------|
|  | FLOWMETER |
|  | MOTOR SEPARATOR |
|  | STEAMER |
|  | CONCENTRIC REDUCER |
|  | NON RETURN VALVE |
|  | GLOBE VALVE |
|  | STOP VALVE |
|  | PRESSURE REDUCING VALVE |
|  | CONTROL VALVE |
|  | SAFETY VALVE |
|  | TOP ASSEMBLY |
|  | STEAM TRAP |
|  | PRESSING GAUGE |
|  | PROPOSED STEAM LINE |
|  | EXISTING STEAM LINE |
|  | LINE TO BE REMOVED |
|  | NON RETURN STEAM LINE |
|  | TO BE SHIFTED TO NEW LOCATION |

STEAM TRAP DETAILS



PIPE BRANCH WELDING DETAILS



BUTT WELDING DETAIL

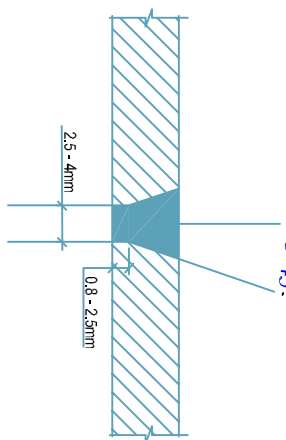
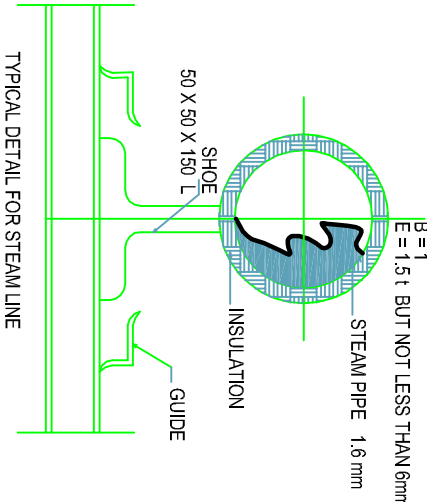
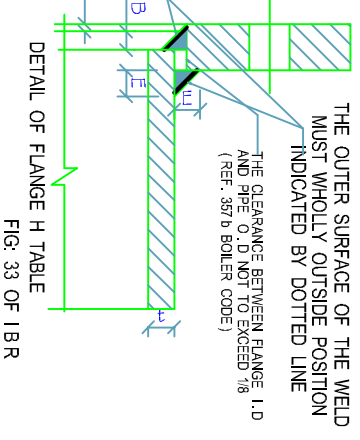
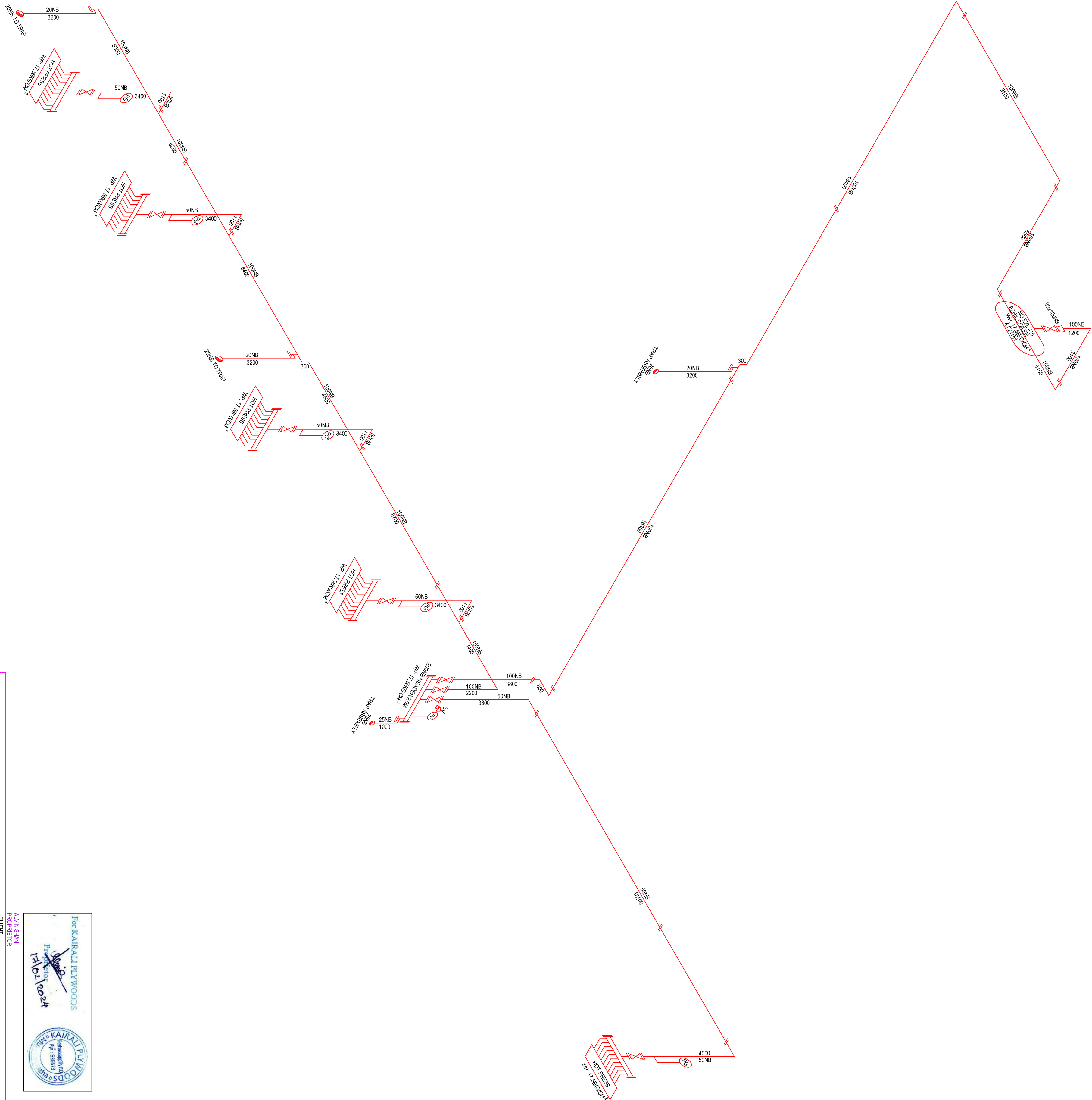


FIG. 33 OF 1BR



PROPOSED STEAM LINE LAYOUT FOR M/S KAIRALI PLYWOODS, PEZHAKKAPPILLY, MUVATTUPUZA



BOILER DESIGN DATA

MAKERS NAME:	M/S EZHIL ENGINEERING, THUDAKUDI
YEAR OF MAKE	2024
MAKERS NO:	ELZ 415
WORKING PRESSURE	17.389G / CM ²
TESTING PRESSURE	26.37 KG / CM ²
HEATING SURFACE AREA	154.50M
EVAPORATION CAPACITY	4620KGHR.
TYPE OF BOILER	HORIZONTAL, MULTITUBULAR FULLY WET BACK BOILER

M/S KAIRALI PLYWOODS

[illegible]