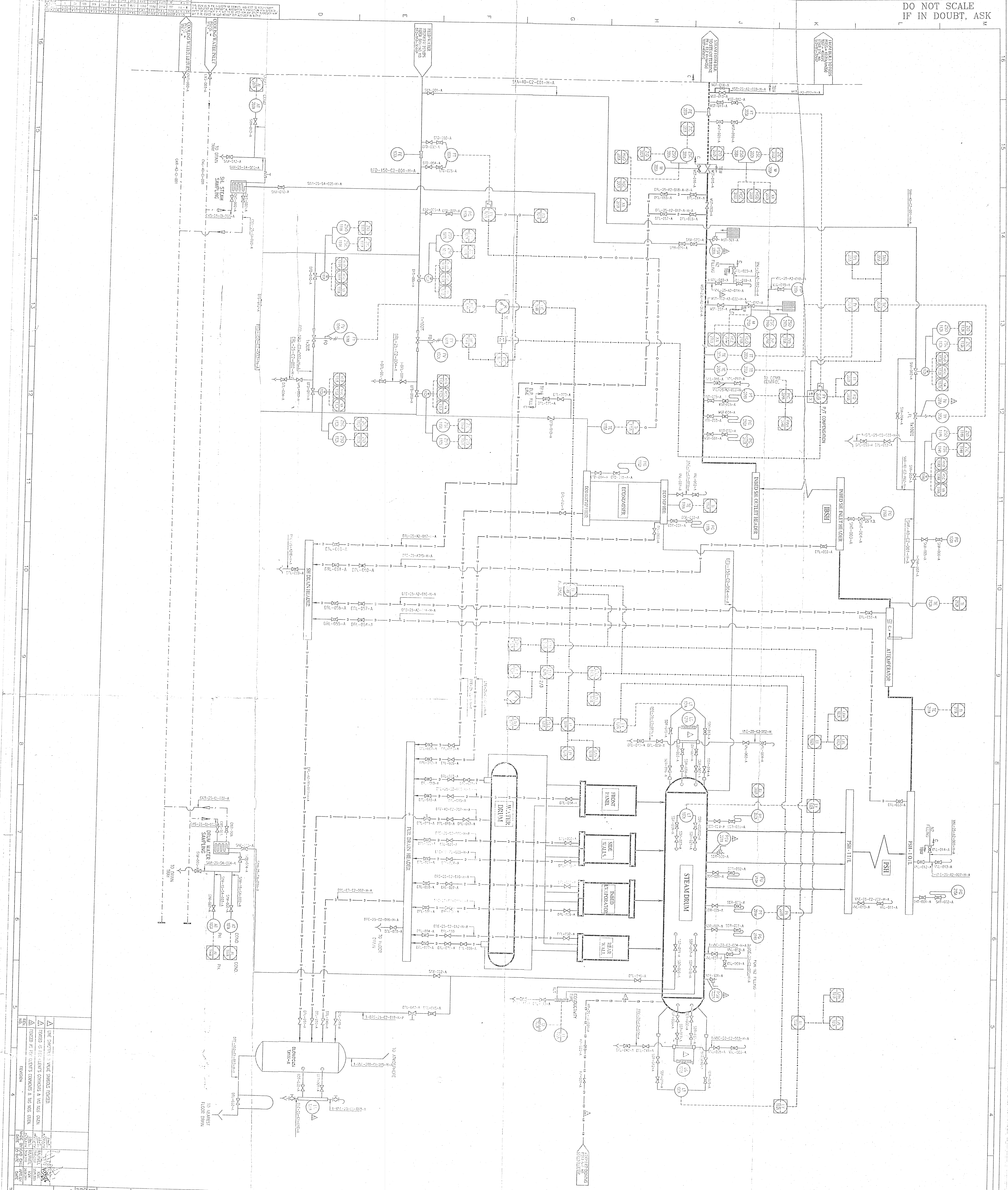


DO NOT SCALE
IF IN DOUBT, ASK



NOTES

- 1) UNLESS OTHERWISE MENTIONED, SCOPE OF SUPPLY SHALL BE AS SHOWN.
- 2) FOR VALVE SYMBOLS, REFER TO 20-00-000.
- 3) FOR LINE SYMBOLS, REFER TO 20-00-000.
- 4) FOR EQUIPMENT SYMBOLS, REFER TO 20-01-0115.
- 5) SCOPE:
 - TBM - THERMAX BARROCK & WILCOX'S SCOPE.
 - TBW - THERMAX SCOPE.
 - C - CLIENT'S SCOPE.
- 6) REFERENCE DRAWINGS:
 - 1) P & ID FOR ONE BOILER - P/1A-110-300P.
 - 2) P & ID FOR ONE BOILER - P/1A-110-300P.
 - 3) P & ID FOR ONE BOILER - P/1A-110-300P.
 - 4) P & ID FOR ONE BOILER - P/1A-110-300P.
 - 5) P & ID FOR ONE BOILER - P/1A-110-300P.
 - 6) P & ID FOR ONE BOILER - P/1A-110-300P.
 - 7) P & ID FOR ONE BOILER - P/1A-110-300P.
 - 8) P & ID FOR ONE BOILER - P/1A-110-300P.
 - 9) P & ID FOR ONE BOILER - P/1A-110-300P.
 - 10) P & ID FOR ONE BOILER - P/1A-110-300P.

SYMBOLS FOR LINES

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
STEAM LINE	STEAM LINE	PROCESS HEATING LINE	PROCESS HEATING LINE
FEED WATER LINE	FEED WATER LINE	CHEMICAL INJECTION LINE	CHEMICAL INJECTION LINE
DOWN LINE	DOWN LINE	ELECTRICAL SIGNAL LINE	ELECTRICAL SIGNAL LINE
PURGE LINE	PURGE LINE	OPERATION	OPERATION
CONDENSATION AIR LINE	CONDENSATION AIR LINE	CONCRETE SIGNAL LINE	CONCRETE SIGNAL LINE
COOLING WATER LINE	COOLING WATER LINE		
FLUE GAS	FLUE GAS		

SYMBOLS FOR VALVES

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
IS	ISOLATION VALVE	CS	CHECK VALVE
RV	ROOT VALVE	SV	SHUT OFF VALVE
NR	NON RETURN VALVE	AV	AIR VALVE
YV	YIELD REGENERATION VALVE	TV	TRIP VALVE
SV	SHUT OFF VALVE	RV	ROOT VALVE
SR	SHUT OFF VALVE	RV	ROOT VALVE
SV	SHUT OFF VALVE	RV	ROOT VALVE
SV	SHUT OFF VALVE	RV	ROOT VALVE
SV	SHUT OFF VALVE	RV	ROOT VALVE
SV	SHUT OFF VALVE	RV	ROOT VALVE
SV	SHUT OFF VALVE	RV	ROOT VALVE
SV	SHUT OFF VALVE	RV	ROOT VALVE
SV	SHUT OFF VALVE	RV	ROOT VALVE

P & ID FOR ONE BOILER IS SHOWN. SECOND BOILER IS TYPICAL. TAG NO. WILL END WITH B INSTEAD OF A.

ALL THE INSTRUMENTS WILL HAVE A PREFIX 50 FOR TAG NUMBERS.

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
IS	ISOLATION VALVE	CS	CHECK VALVE
RV	ROOT VALVE	SV	SHUT OFF VALVE
NR	NON RETURN VALVE	AV	AIR VALVE
YV	YIELD REGENERATION VALVE	TV	TRIP VALVE
SV	SHUT OFF VALVE	RV	ROOT VALVE
SR	SHUT OFF VALVE	RV	ROOT VALVE
SV	SHUT OFF VALVE	RV	ROOT VALVE
SV	SHUT OFF VALVE	RV	ROOT VALVE
SV	SHUT OFF VALVE	RV	ROOT VALVE
SV	SHUT OFF VALVE	RV	ROOT VALVE
SV	SHUT OFF VALVE	RV	ROOT VALVE
SV	SHUT OFF VALVE	RV	ROOT VALVE

CLIENT : OSWAL STEEL.
CONSULTANT : DESEIN CONSULTANTS PVT. LTD.

THIS SYMBOL IN THE BLOCK INDICATES THAT THIS BLOCK IS FORMED FROM BLOCK LIBRARY.

Thermax Babcock & Wilcox
 Limited PUNE 411 034

P&ID FOR ONE BOILER FOR 2x110 TPH
ALPH COAL FIRED BOILER
 (SHIMLA WATER)

SCALE: DRAWN: 2/10/2009
 CHECKED: RAJESH 2/10/2009
 APPROVED: K.V. 2/10/2009
 DWG. NO. D/12-078-1450P