

**DE GROUP & UNIT CODE ON DRAWING SHOW "00" FOR COMMON PACKAGE.
BEFORE, CONSIDER *12" FOR UNIT 2, *13" FOR UNIT 3.**

DOR EPC V : BHI
E : EPC

DE LIMIT PIPING

C : CHEMICAL CLEANING CONNECTION
FOR PRESSURE TEST PROVISION AS WELL

STEAM SAMPLING NOZZLE

V SHALL BE LOCATED LOWER THAN SPRAY NOZZLE.

X : CONNECTION FOR **VENT** FUNNEL DRAIN

+ : LOCAL MAINTENANCE DRAIN FOR **VISUAL** CHECK

H : HEIGHTST POINT **VENT** (IT WILL BE CLOSED WITH TREADED CAP)

S SHALL BE COMPATIBLE FOR TUBE CONNECTION.
OP TUBE SIZE : 12.7mm (1/2")

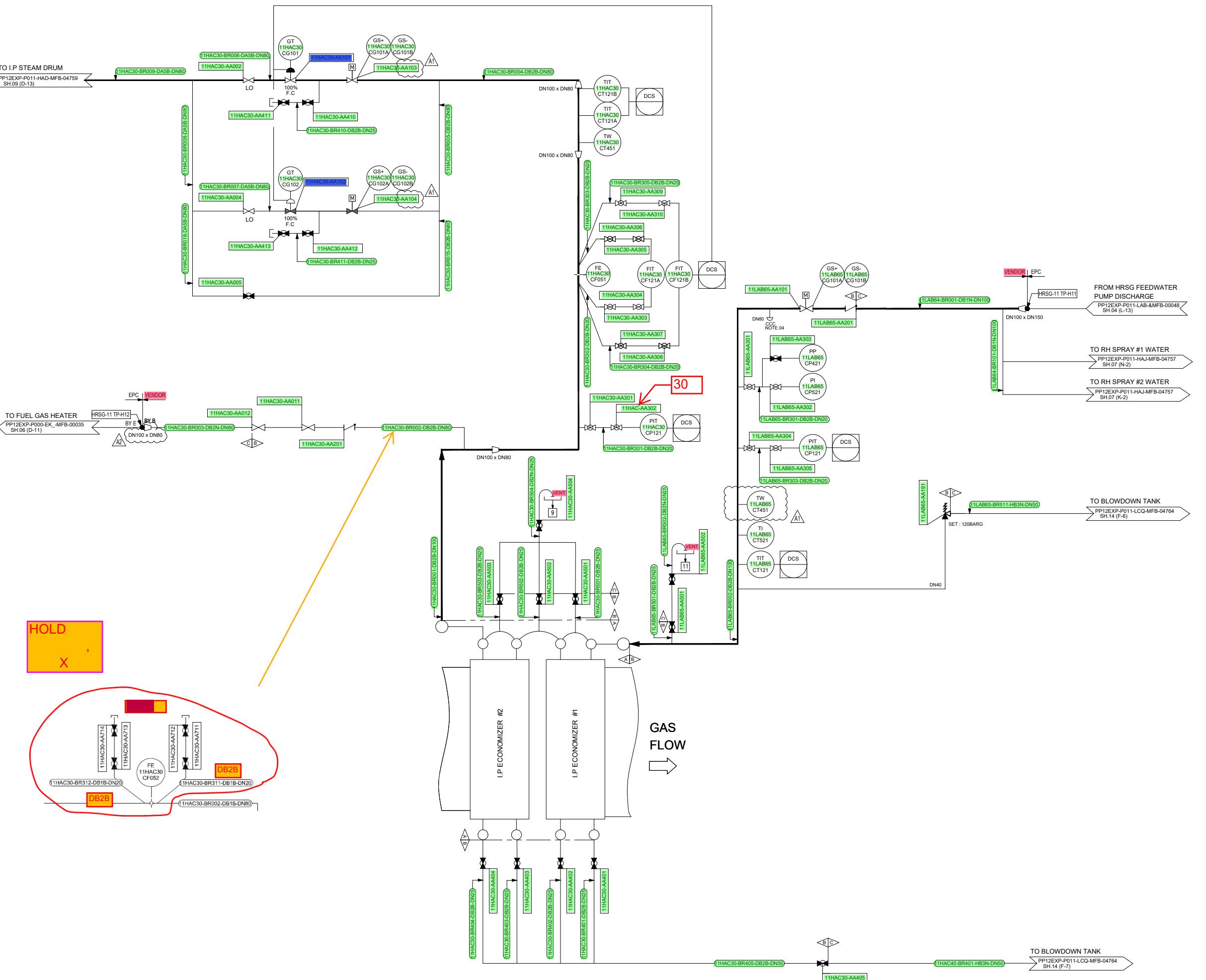
EACH UNIT TP REDUCER/TR PIECE END BEVEL SHALL BE CONSIDER AS BELOW.

11/12/13 : ID680xMW30 X DN650 x AW130

A1

A2

REFERENCE DRAWINGS.		DRAWING TITLE
ING NO.		
LIST:		
05-MAR-25	ISSUE FOR APPROVAL	KJ.LEE WJ.CHOI SH.YOO
06-MAR-25	ISSUE FOR APPROVAL	KJ.LEE WJ.CHOI SH.YOO
07-MAR-25	ISSUE FOR APPROVAL	KJ.LEE WJ.CHOI SH.YOO
DATE	DESCRIPTION	PREPARED CHECKED APPROVED
PP12 CCP EXPANSION PROJECT		
AL	SAUDI POWER PROCUREMENT COMPANY  SAUDI POWER PROCUREMENT COMPANY	
T.I.Y.	 Saudi Electricity Company Royal Saudi Society for Standardization and Metrology	
T.Y'S.TANT:	FICHTNER FICHTNER GMBH & Co. KG	
CTOR. TUMUL:	 SEPCO III ELECTRIC POWER CONSTRUCTION CO., LTD. DOOSAN ENERBILITY	
R:	 TBE CO., LTD.	
	DATE	NAME
ED	07-MAR-25	KJ.LEE
ED	07-MAR-25	KJ.LEE
D	07-MAR-25	WJ.CHOI
D	07-MAR-25	SH.YOO
HRSG P&I DIAGRAM FOR REHEATER SYSTEM		
A) DATE: None SHT: 07 OF 18 REV. A2		SCALE: None
B) PP12EXP-P011-HAJ-MFB-04757		



NOTE:
01. THE GROUP & UNIT CODE ON DRAWING SHOW "11" FOR UNIT 1.
THEREFORE, CONSIDER "12" FOR UNIT 2, "13" FOR UNIT 3.

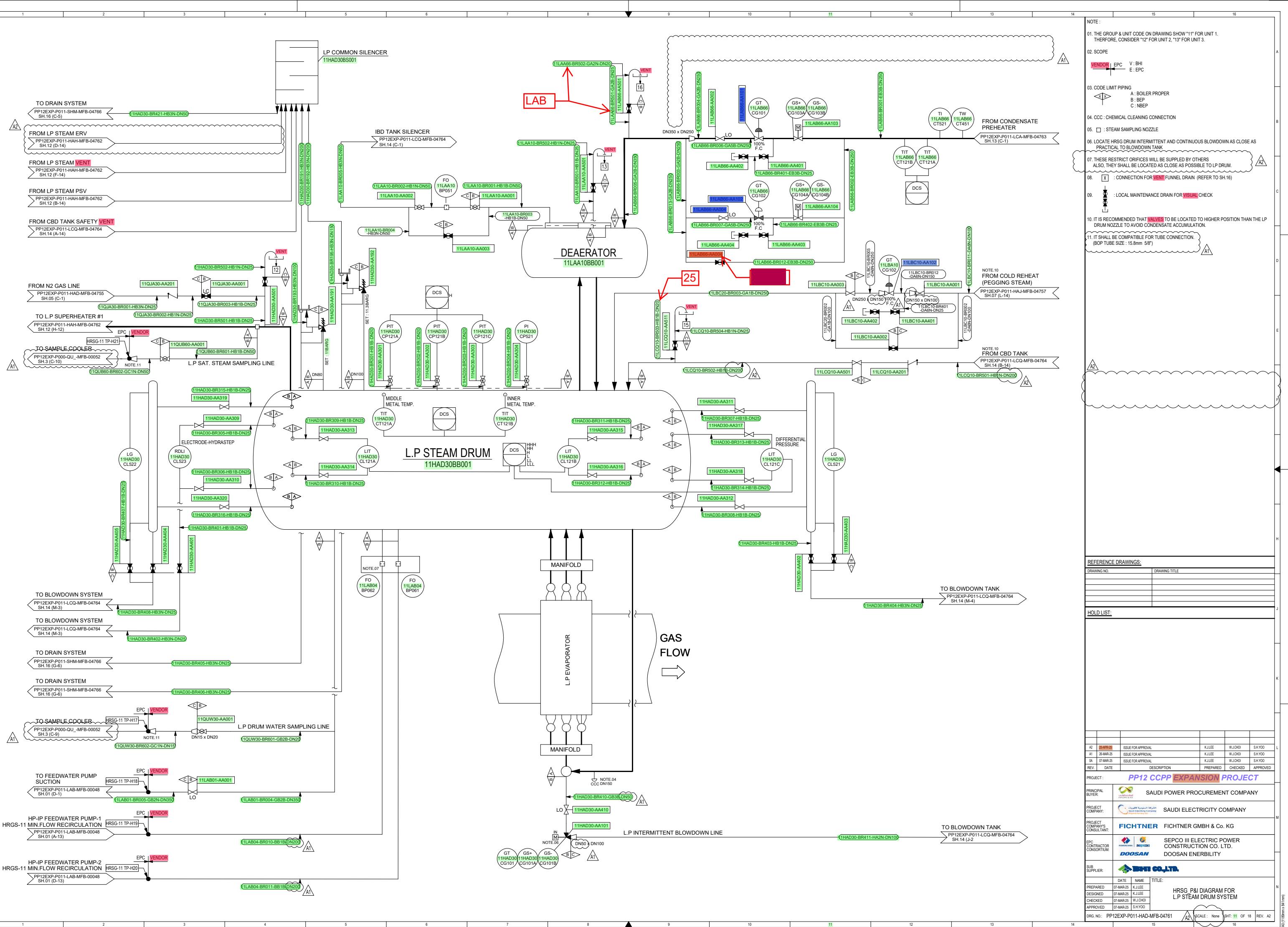
02. SCOPE
VENDOR EPC V: BH
E: EPC
03. CODE LIMIT PIPING
A: BOILER PROPER
B: BEP
C: NBEP
04. CCC : CHEMICAL CLEANING CONNECTION
05. : CONNECTION FOR **VENT** FUNNEL DRAIN
06. : LOCAL MAINTENANCE DRAIN FOR **VISUAL CHECK**

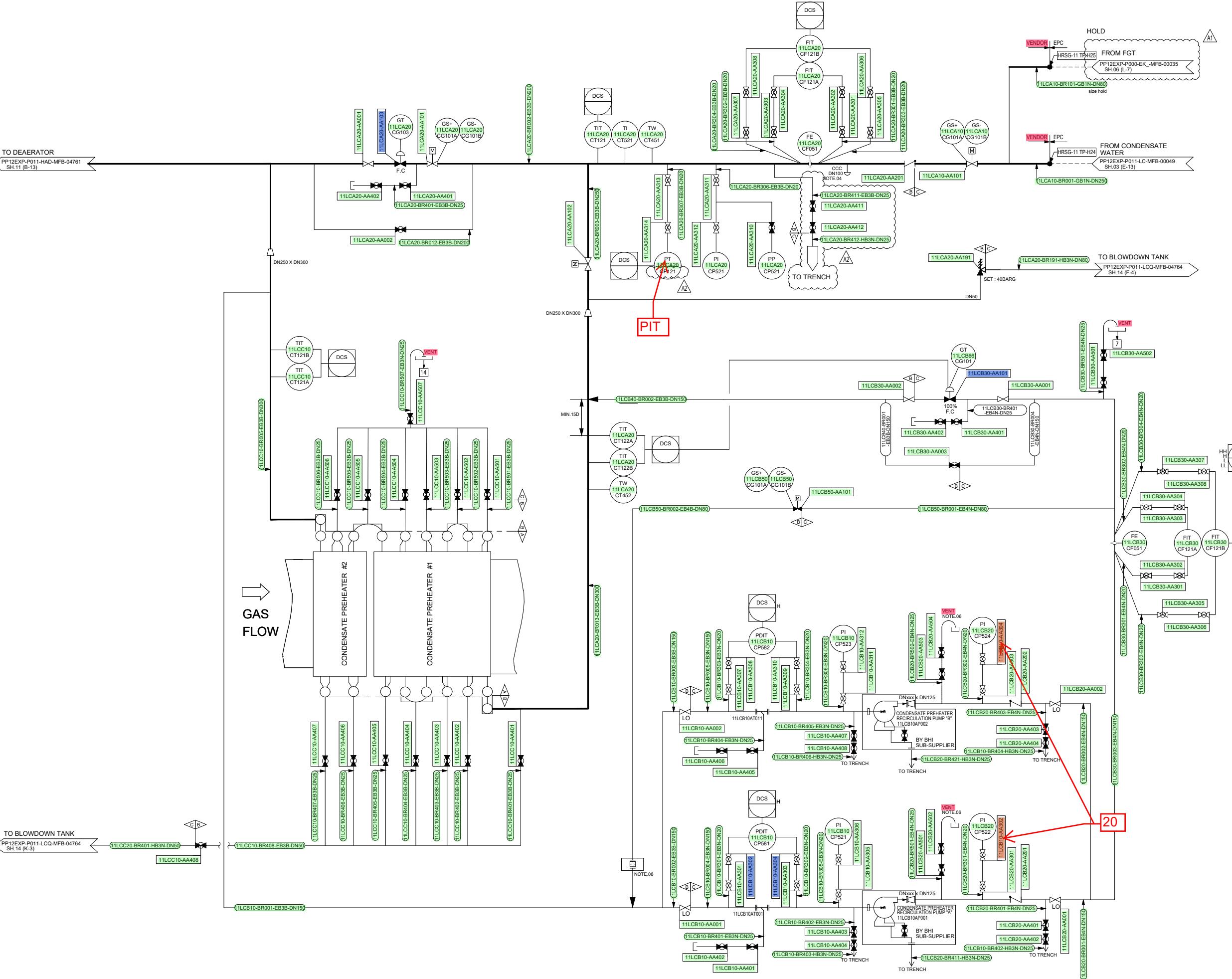
REFERENCE DRAWINGS:

DRAWING NO. DRAWING TITLE

HOLD LIST:

A2	DATE	NAME	TITLE
A2	25-APR-25	K.J.LEE	PP12 EXP-P011-HAD-MFB-04759
A1	26-MAR-25	K.J.LEE	ISSUE FOR APPROVAL
A4	07-MAR-25	K.J.LEE	ISSUE FOR APPROVAL
REV. DATE		PREPARED CHECKED APPROVED	
PROJECT:			
PRINCIPAL BUYER:			Saudi Power Procurement Company
PROJECT COMPANY:			Saudi Electricity Company
PROJECT COMPANY'S CONSULTANT:			Fichtner GmbH & Co. KG
EPC CONTRACTOR CONSORTIUM:			SEPCO III Electric Power Construction Co. Ltd.
SUB SUPPLIER:			DOOSAN ENERBILITY
PREPARED	07-MAR-25	K.J.LEE	HRSG P&I DIAGRAM FOR I.P. FEED WATER SYSTEM
DESIGNED	07-MAR-25	K.J.LEE	
CHECKED	07-MAR-25	W.J.HOI	
APPROVED	07-MAR-25	S.H.YOO	
DRG. NO.:	PP12EXP-P011-LAB-MFB-04758		
SCALE:	None	SHT: 08 OF 18	REV. A2





NOTE :

01. THE GROUP & UNIT CODE ON DRAWING SHOW "11" FOR UNIT 1.
THEREFORE, CONSIDER "12" FOR UNIT 2, "13" FOR UNIT 3.

02. SCOPE

 VENDOR | EPC V : BHI
E : EPC

03. CODE LIMIT PIPING

 A : BOILER PROPER
B : BEP
C : NBEP

04. CCC : CHEMICAL CLEANING CONNECTION

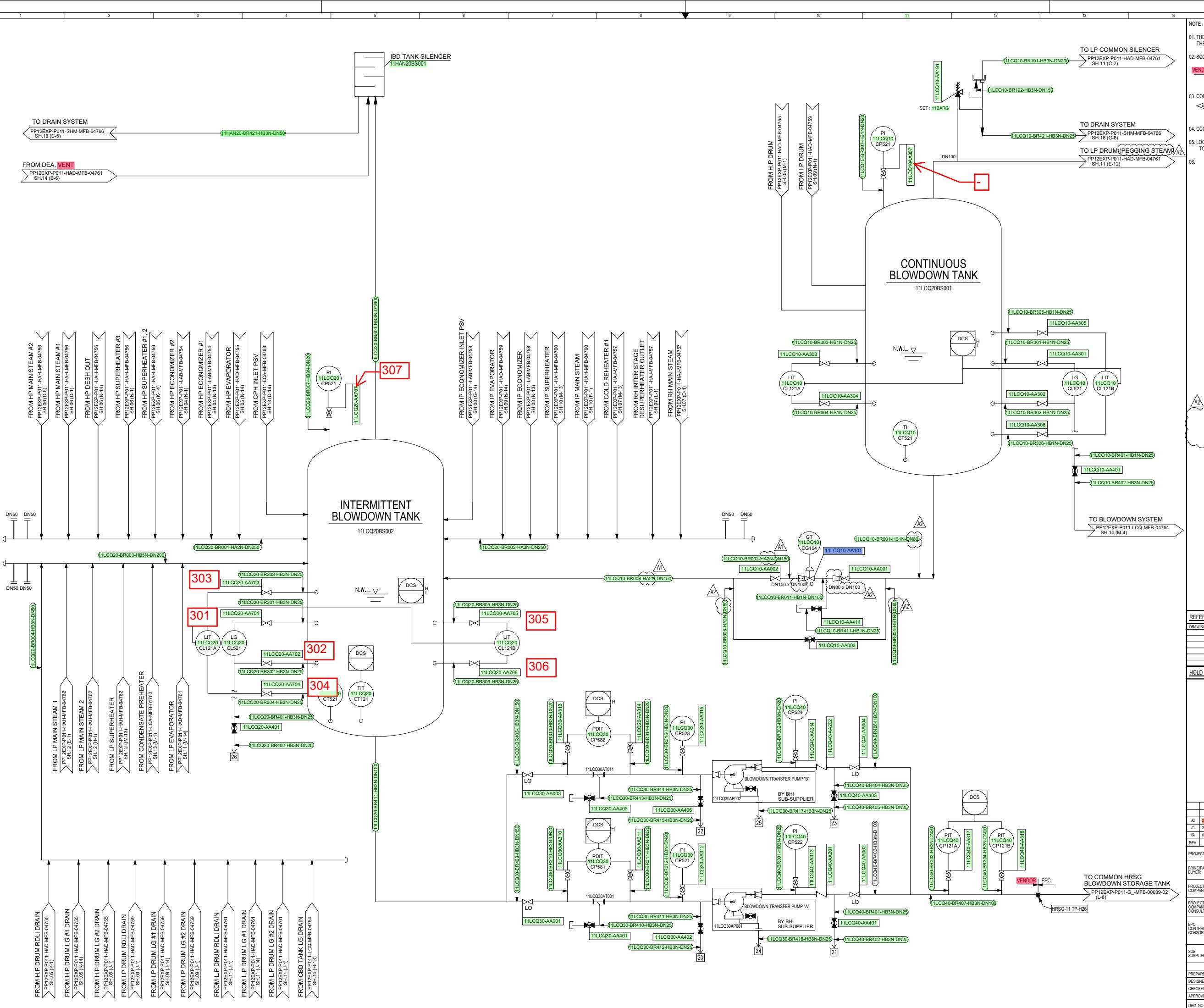
05. : CONNECTION FOR **VENT** FUNNEL DRAIN (REFER TO SH.16)

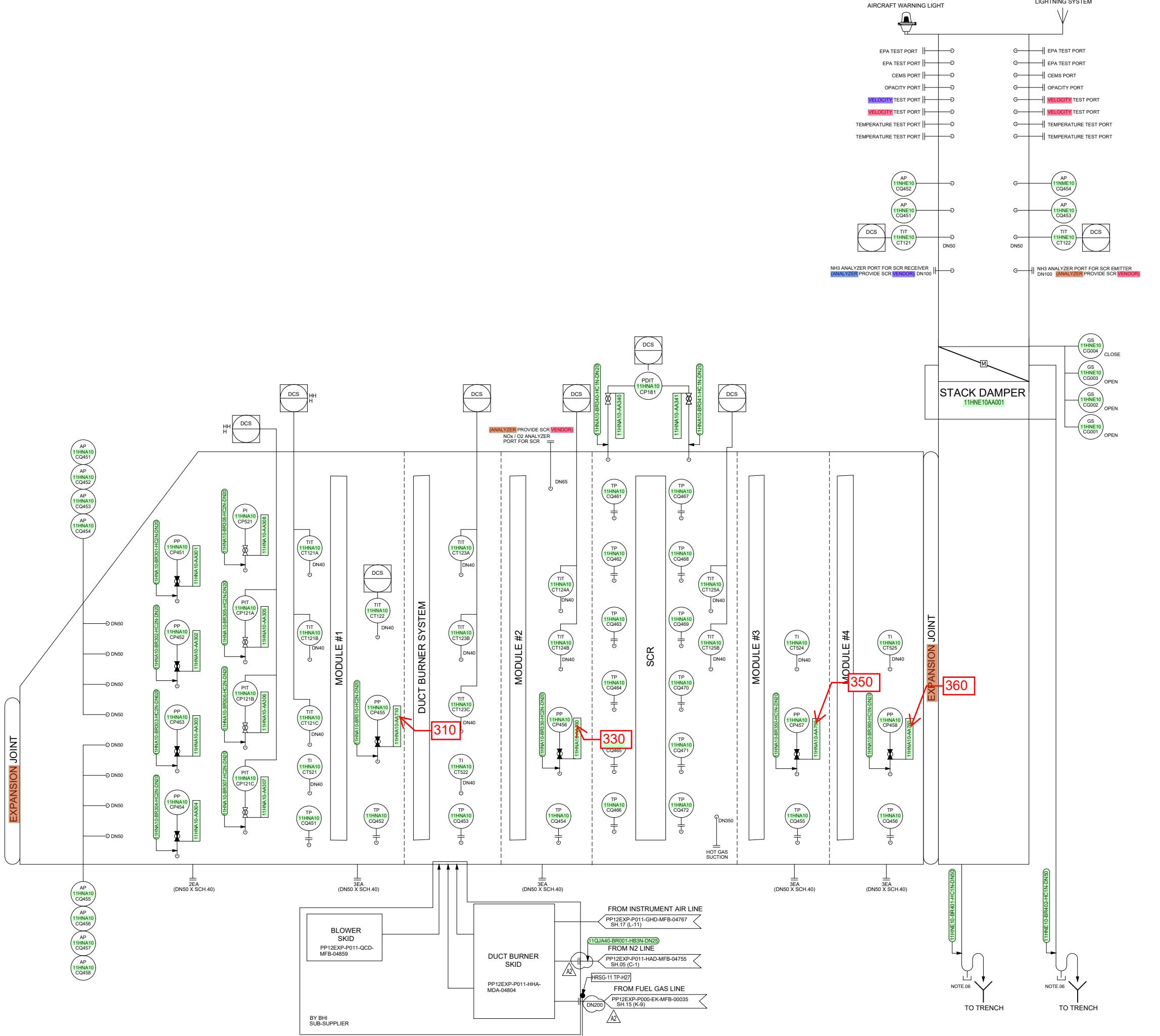
06. THE HIGHEST POINT **VENT** (IT WILL BE CLOSED WITH TREADED CAP)

07. : LOCAL MAINTENANCE DRAIN FOR **VISUAL** CHECK



08. THE RESTRICT ORIFICE WILL BE SUPPLIED BY SUB-SUPPLIER

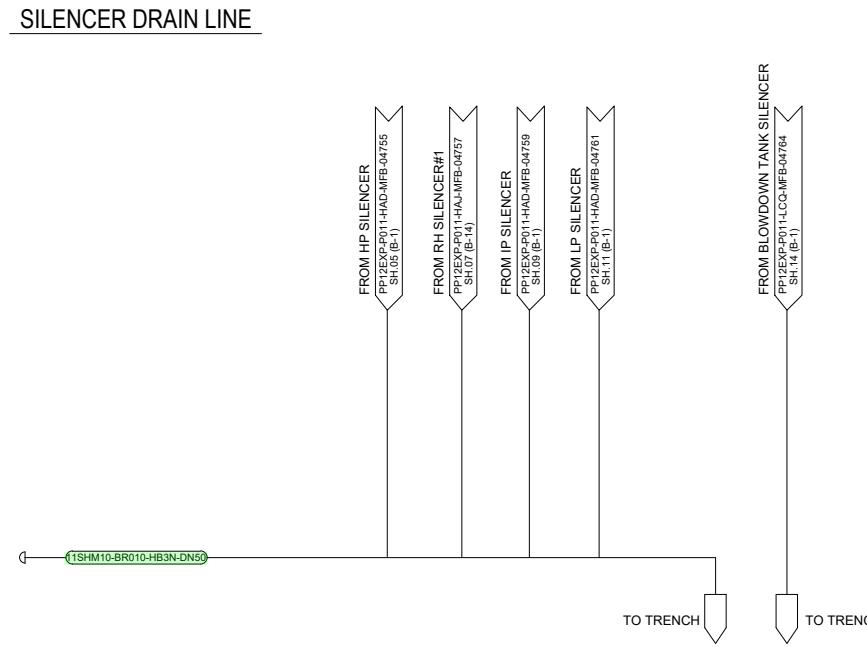




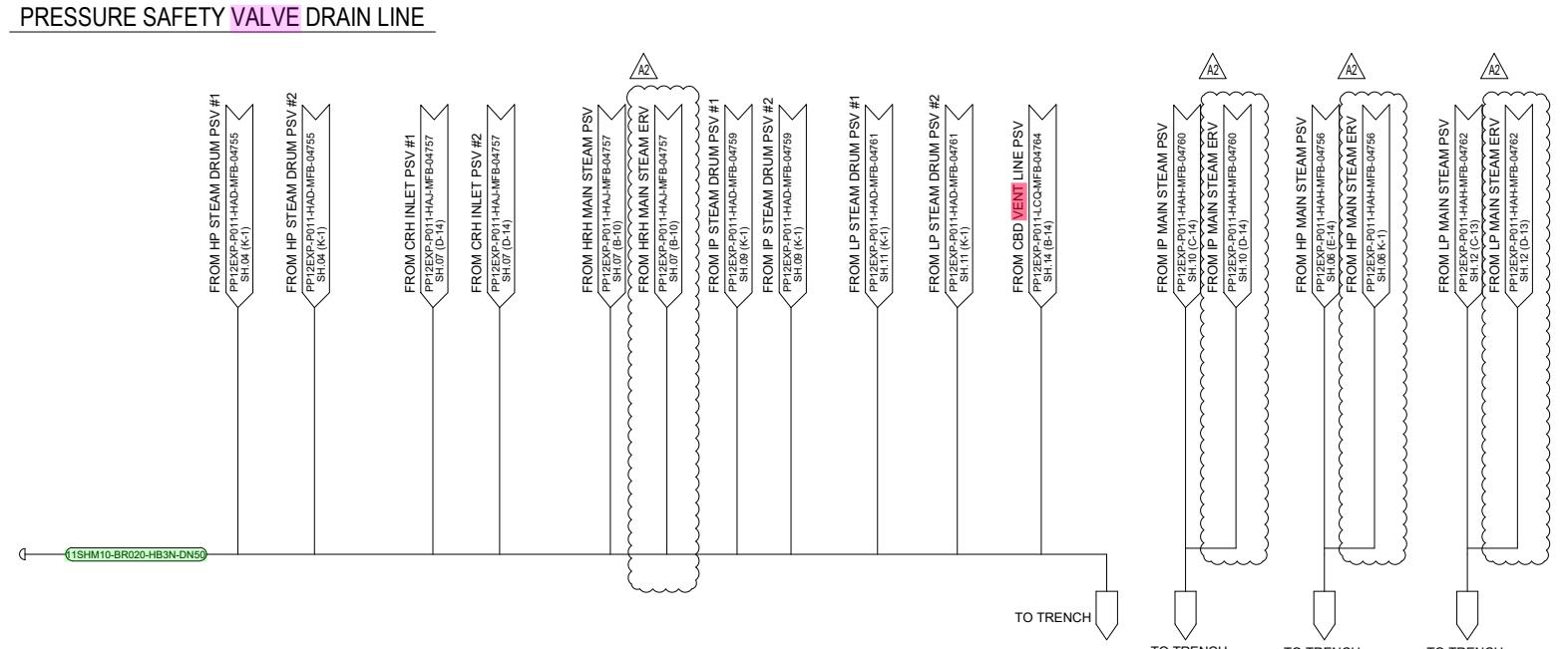
NOTE :

- THE GROUP & UNIT CODE ON DRAWING SHOW "11" FOR UNIT 1.
THEREFORE, CONSIDER "12" FOR UNIT 2, "13" FOR UNIT 3.
2. SCOPE
- VENDOR** : EPC V : BHI
E : EPC
3. CODE LIMIT PIPING
A : BOILER PROPER
B : BEP
C : NBEP
4. CCC : CHEMICAL CLEANING CONNECTION
5. EA : QUANTITY OF DRAIN POINT
6. PROVISION FOR INITIAL WATER FILLING

REFERENCE DRAWINGS:			
DRAWING NO.		DRAWING TITLE	
HOLD LIST:			
A2	25-APR-25	ISSUE FOR APPROVAL	K.J.LEE W.J.CHOI S.H.YOO
A1	26-MAR-25	ISSUE FOR APPROVAL	K.J.LEE W.J.CHOI S.H.YOO
QA	07-MAR-25	ISSUE FOR APPROVAL	K.J.LEE W.J.CHOI S.H.YOO
EV.	DATE	DESCRIPTION	PREPARED CHECKED APPROVED
PROJECT : PP12 CCPP EXPANSION PROJECT			
PRINCIPAL OWNER:	 SAUDI POWER PROCUREMENT COMPANY		
PROJECT COMPANY:	 SAUDI ELECTRICITY COMPANY		
PROJECT COMPANY'S CONSULTANT:	FICHTNER FICHTNER GMBH & Co. KG		
CONTRACTOR CONSORTIUM:	 SEPCO III ELECTRIC POWER CONSTRUCTION CO. LTD. DOOSAN DOOSAN ENERBILITY		
JB SUPPLIER:	 BMT CO., LTD.		
DATE	NAME	TITLE:	
REARED	07-MAR-25	K.J.LEE	
DESIGNED	07-MAR-25	K.J.LEE	
HECKED	07-MAR-25	W.J.CHOI	
PROVED	07-MAR-25	S.H.YOO	
HRSG_P&I DIAGRAM FOR CASING SYSTEM			
RG. NO.: PP12EXP-P011-HNA-MFB-04765		A2	SCALE: None SHT: 15 OF 18 REV. A2
15		16	



BD TANK AREA DRAIN LINE



FUNNEL DRAIN LINE



THE GROUP & UNIT CODE ON DRAWING SHOW "11" FOR UNIT 1.
 THEREFORE, CONSIDER "12" FOR UNIT 2, "13" FOR UNIT 3.

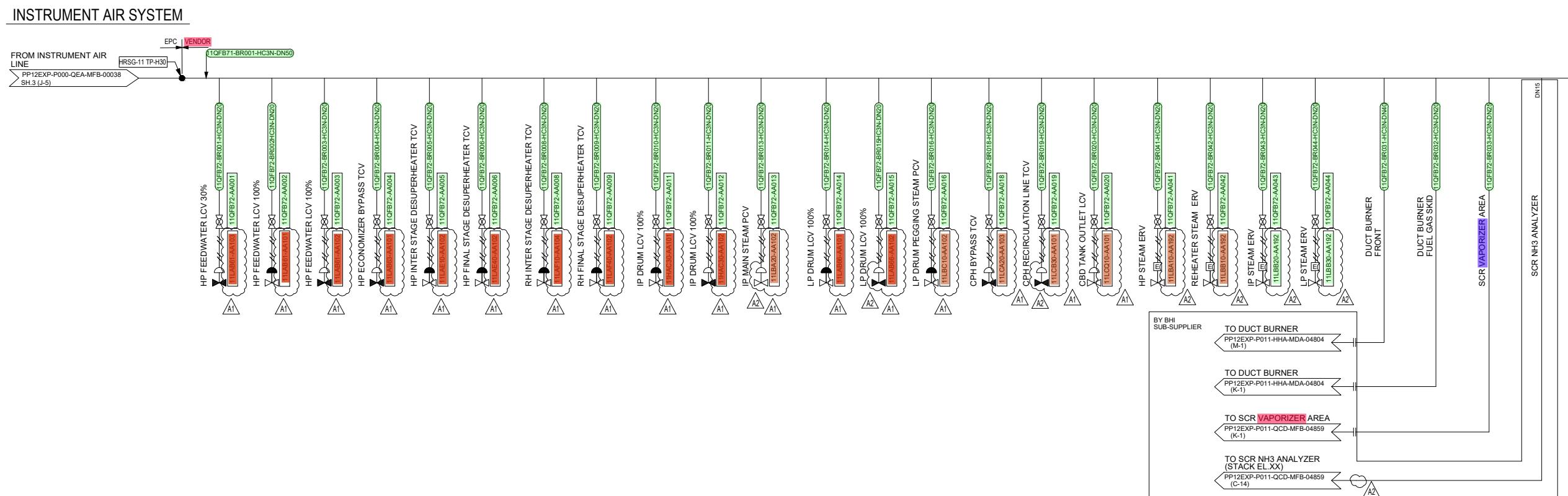
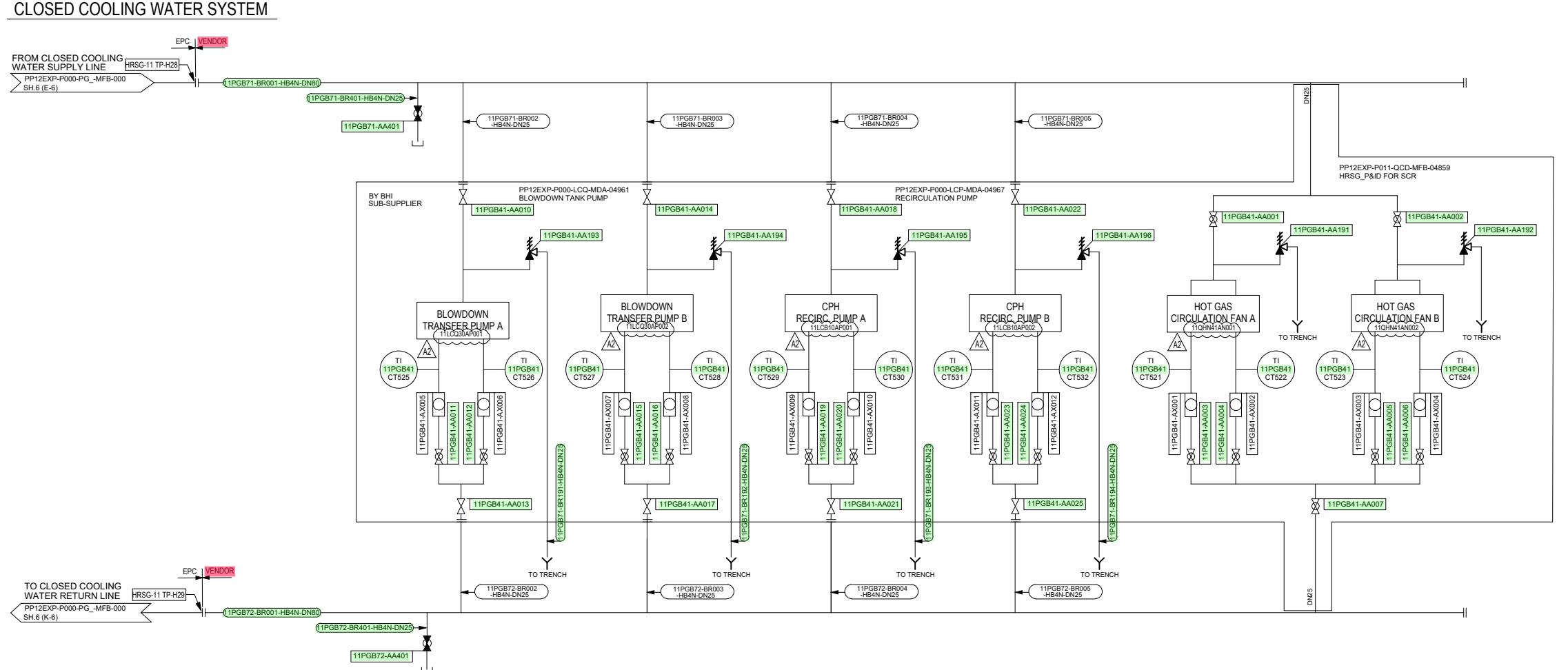
SCOPE

VENDOR | EPC V : BHI
 E : EPC

CODE LIMIT PIPING

 A : BOILER PROPER
 B : BEP
 C : NEEP

CCC : CHEMICAL CLEANING CONNECTION



NOTE :

01. THE GROUP & UNIT CODE ON DRAWING SHOW "11" FOR UNIT 1.
THEREFORE, COSIDER "12" FOR UNIT 2, "13" FOR UNIT 3.
02. SCOPE

VENDOR	EPC	V : BHI E : EPC
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03. CODE LIMIT PIPING
 - 
 - A : BOILER PROPER
 - B : BEP
 - C : NBEP
04.  : LOCAL MAINTENENCE DRAIN FOR **VISUAL** CHECK

REFERENCE DRAWINGS:									
DRAWING NO.	DRAWING TITLE								
<u>HOLD LIST:</u>									
REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED				
PP12 CCP EXPANSION PROJECT									
PROJECT:-									
PRINCIPAL BUYER:	 SAUDI POWER PROCUREMENT COMPANY <small>Saudi Power Procurement Company</small>								
PROJECT COMPANY:	 SAUDI ELECTRICITY COMPANY <small>Saudi Electricity Company</small>								
PROJECT COMPANIES CONSULTANT:	 FICHTNER FICHTNER GMBH & Co. KG								
EPIC CONTRACTOR CONSORCIOUM:	 SEPCO III ELECTRIC POWER CONSTRUCTION CO., LTD. DOOSAN ENERBILITY								
SUB SUPPLIER:									
DATE	NAME	TITLE:							
PREPARED	07-MAR-25	K.J.LEE							
DESIGNED	07-MAR-25	K.J.LEE							
CHECKED	07-MAR-25	W.J.CHOI							
APPROVED	07-MAR-25	S.YOO							
 HRSG. P&I DIAGRAM FOR UTILITY SYSTEM (1/2)			SCALE:	None	SHT: 17 OF 18				
DRG. NO.: PP12EXP-P011-GHD-MFB-04767			REV. A2						

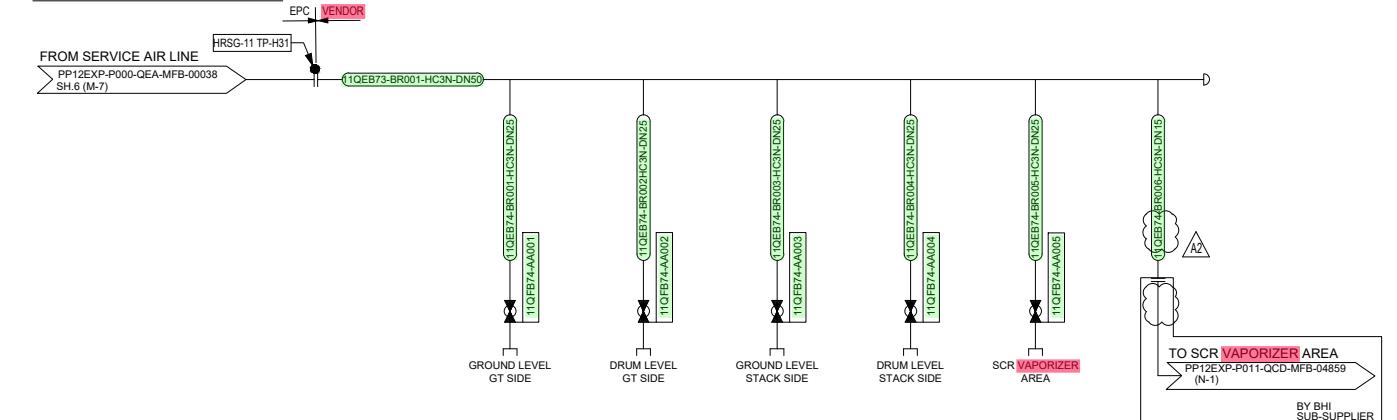
NOTE:
01. THE GROUP & UNIT CODE ON DRAWING SHOW "11" FOR UNIT 1.
THEFORE, CONSIDER "12" FOR UNIT 2, "13" FOR UNIT 3.

02. SCOPE

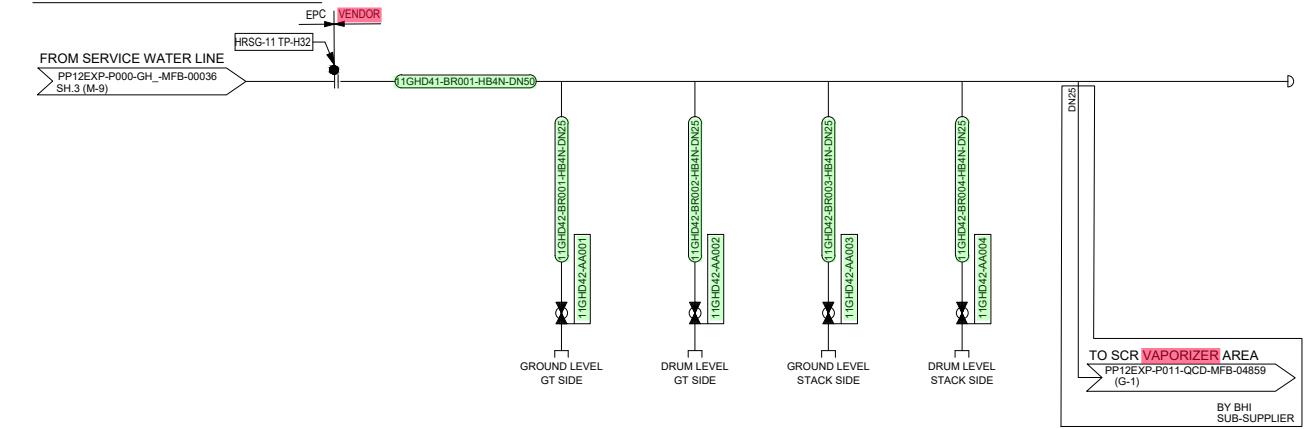
VENDOR EPC V : BHI
E : EPC

03. CODE LIMIT PIPING
 A : BOILER PROPER
B : BEP
C : NBEPE

SERVICE AIR SYSTEM



SERVICE WATER SYSTEM



REFERENCE DRAWINGS:

DRAWING NO.	DRAWING TITLE

HOLD LIST:

A2 25-APR-25 ISSUE FOR APPROVAL K.J.LEE W.J.CHOI S.H.YOO

A1 26-MAR-25 ISSUE FOR APPROVAL K.J.LEE W.J.CHOI S.H.YOO

04 07-MAR-25 ISSUE FOR APPROVAL K.J.LEE W.J.CHOI S.H.YOO

REV. DATE DESCRIPTION PREPARED CHECKED APPROVED

PP12 CCP EXP PROJECT

PRINCIPAL BUYER SAUDI POWER PROCUREMENT COMPANY

PROJECT COMPANY SAUDI ELECTRICITY COMPANY

PROJECT COMPANY'S CONSULTANT FICHTNER FICHTNER GMBH & Co. KG

EPIC CONTRACTOR CONSORTIUM SEPICO III ELECTRIC POWER CONSTRUCTION CO. LTD.

DOOSAN DOOSAN ENERBILITY

SUB SUPPLIER DOOSAN CO., LTD.

DATE NAME TITLE

PREPARED 07-MAR-25 K.J.LEE HRSG_P&I DIAGRAM FOR

DESIGNED 07-MAR-25 K.J.LEE UTILITY SYSTEM (2/2)

CHECKED 07-MAR-25 W.J.CHOI

APPROVED 07-MAR-25 S.H.YOO

DRG. NO.: PP12EXP-P011-GH-MFB-04768 A2 SCALE: None SHT: 18 OF 18 REV. A2