

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

COPE

NDOR | EPC V : BHI
E : EPC

CODE LIMIT PIPING

A : BOILER PROPER
B : BEP
C : NBEPE

CC : CHEMICAL CLEANING CONNECTION
FOR PRESSURE TEST PROVISION AS WELL

: STEAM SAMPLING NOZZLE

CV SHALL BE LOCATED LOWER THAN SPRAY NOZZLE.

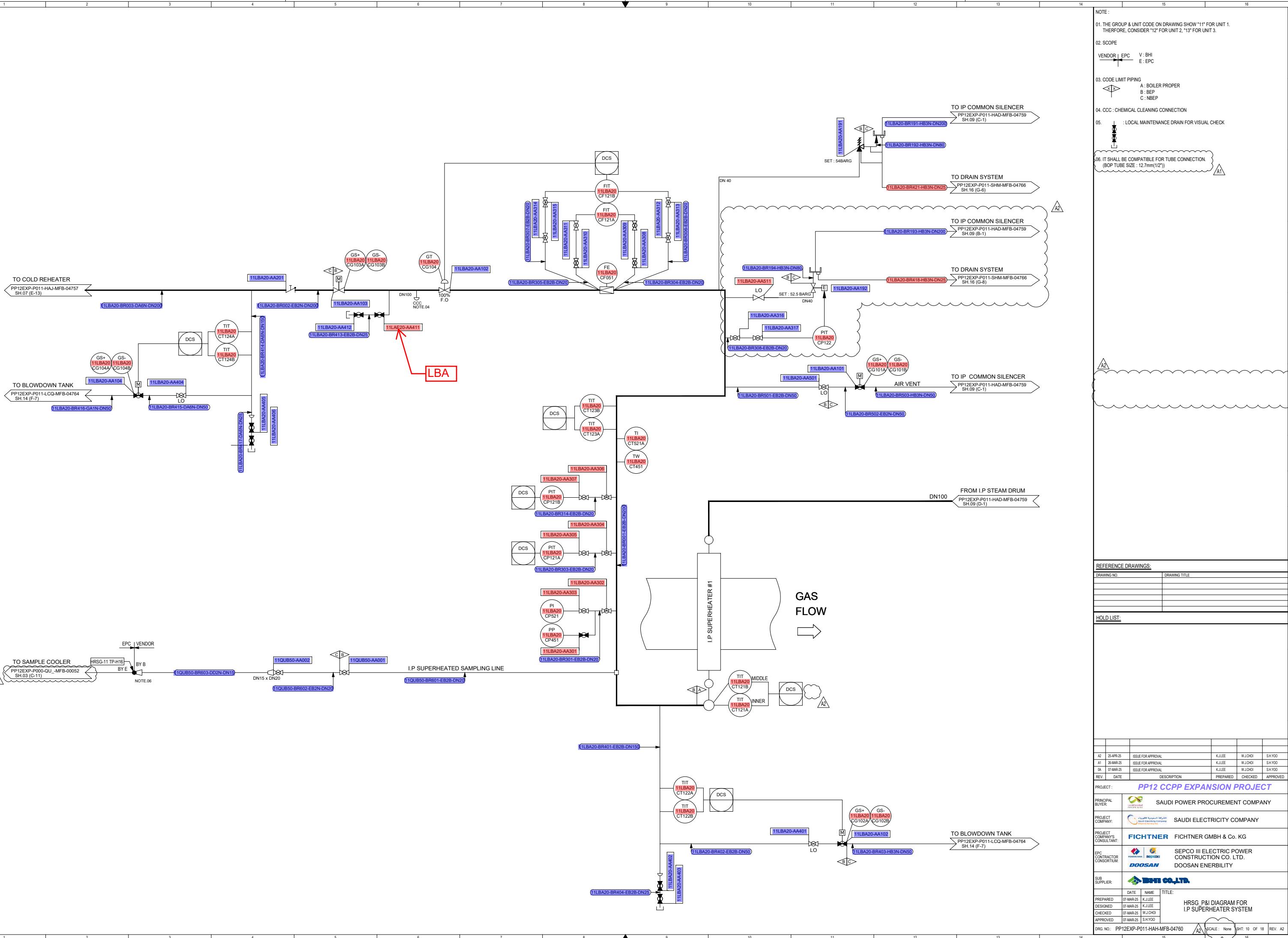
: CONNECTION FOR VENT FUNNEL DRAIN

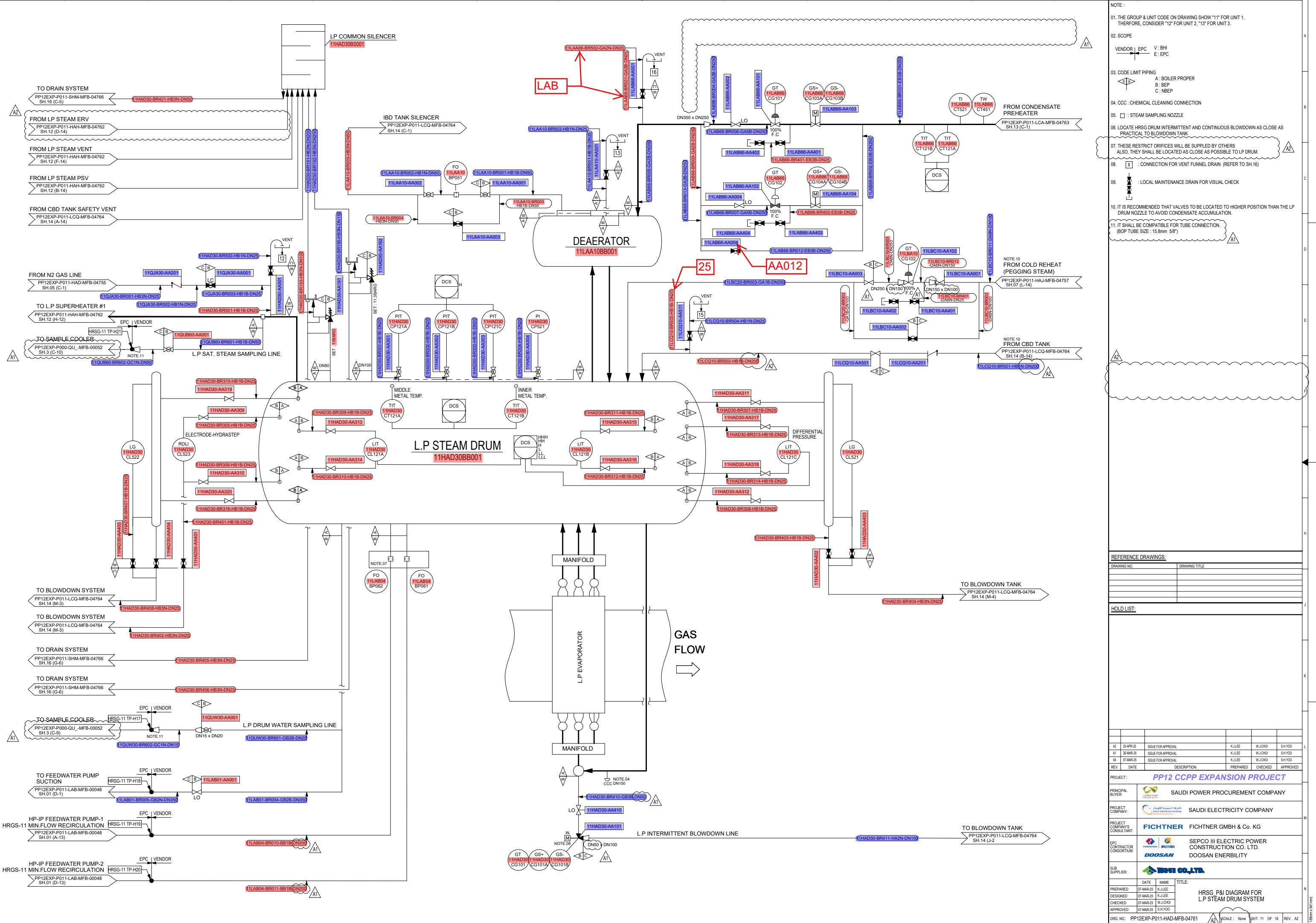
: LOCAL MAINTENANCE DRAIN FOR VISUAL CHECK

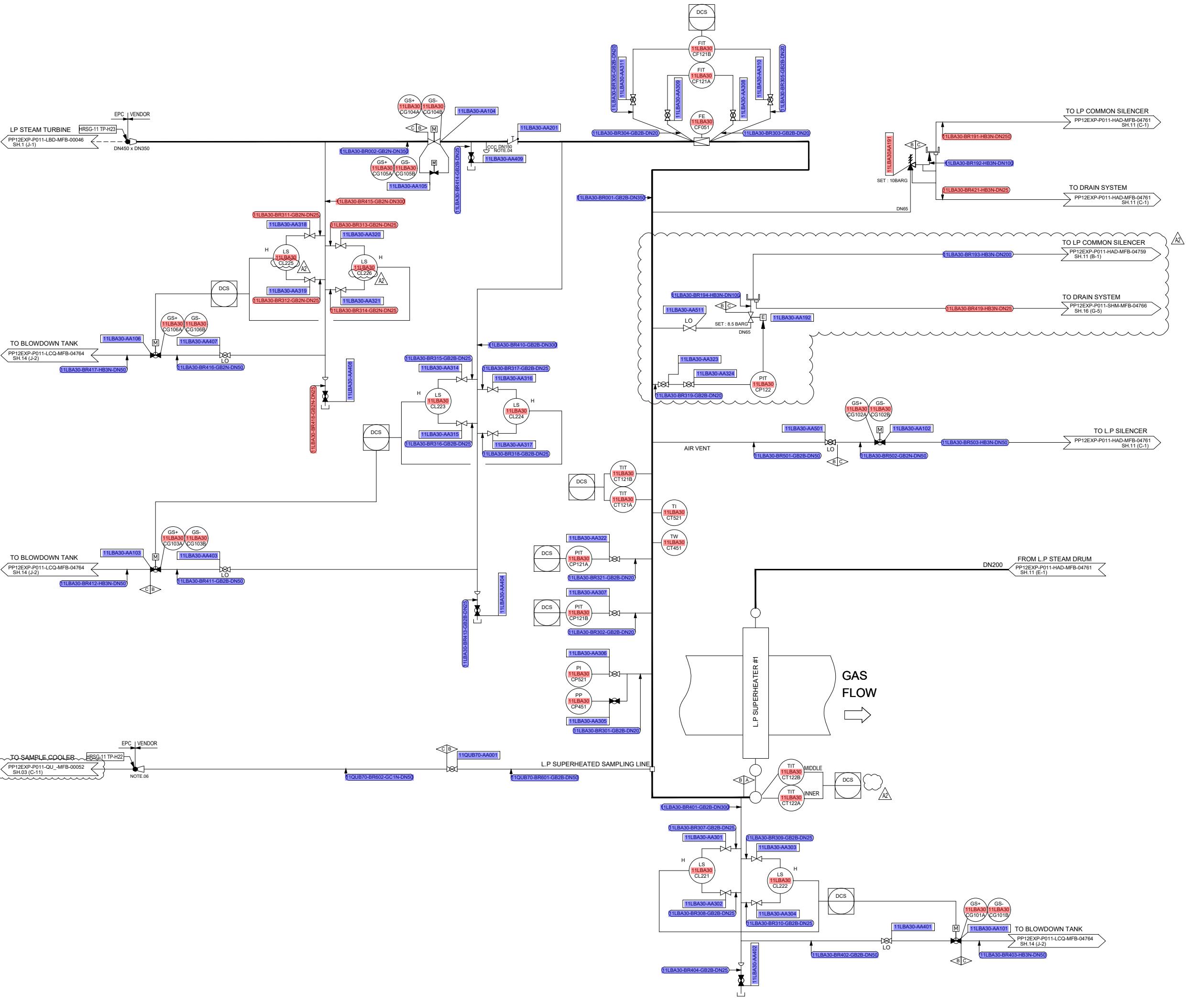
THE HEIGHTST POINT VENT (IT WILL BE CLOSED WITH TREADED CAP)

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

FOR EACH UNIT TP, REDUCER /TR PIECE END BEVEL SHALL BE CONSIDER AS BELOW
UNIT 11/12/13 : ID860xMW730 X DN650 x AW730







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

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

VENDOR | EPC V : BHI
 E : EPC

3. CODE LIMIT PIPING

B : BEP
C : NBEP

4. CCC : CHEMICAL CLEANING CONNECTION

5. : LOCAL MAINTENANCE DRAIN FOR VISUAL CHECK

6. IT SHALL BE COMPATIBLE FOR TUBE CONNECTION.
(BOP TUBE SIZE : 15.8mm 5/8")

41

PP12 CCPP EXPANSION PROJECT

Saudi Power Procurement Company

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 FICHTNER GMBH & Co. KG

**DOOSAN INFRACORE KOREA
CONSTRUCTION CO., LTD.**
DOOSAN ENERGY

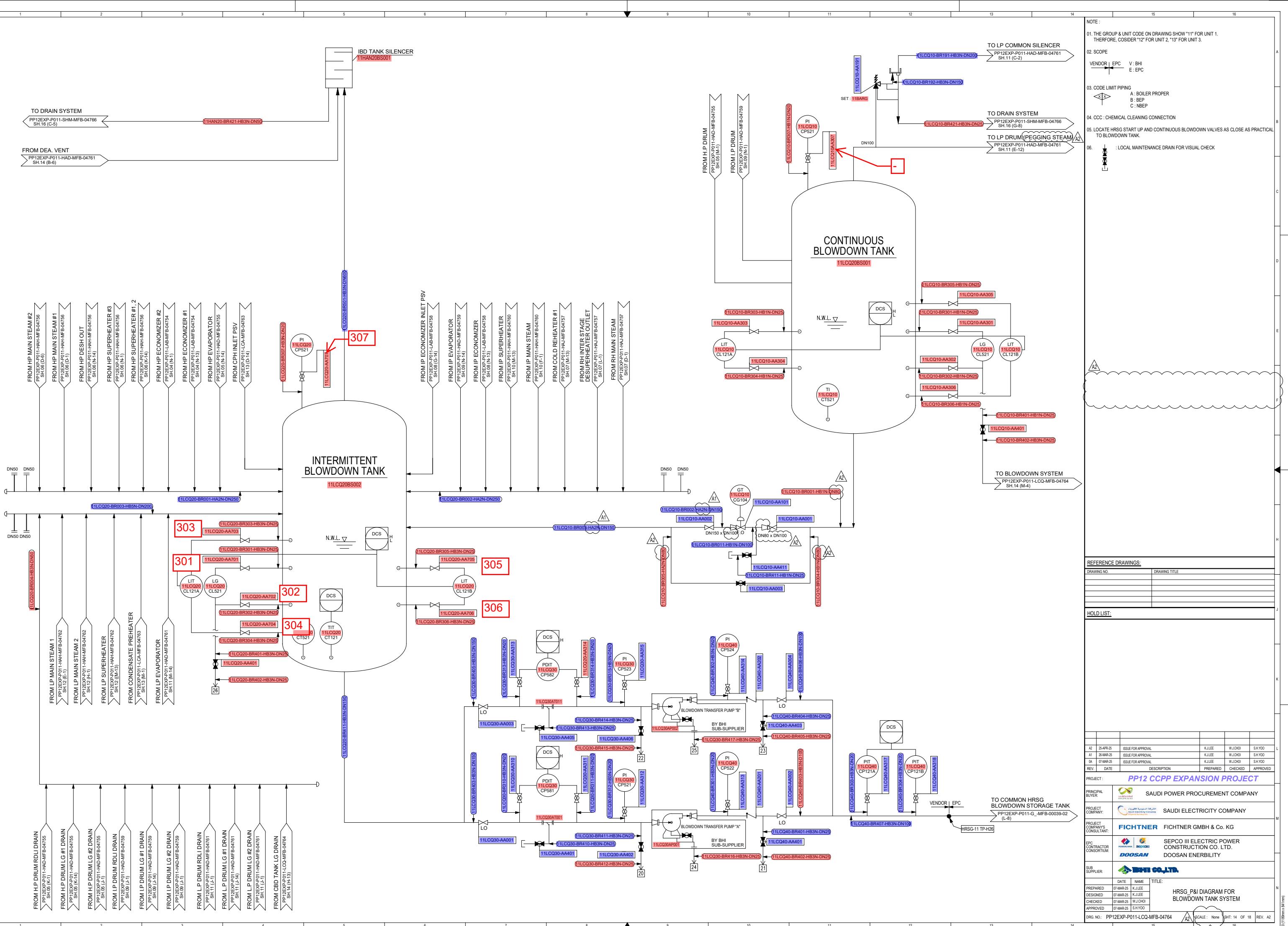
2022-12

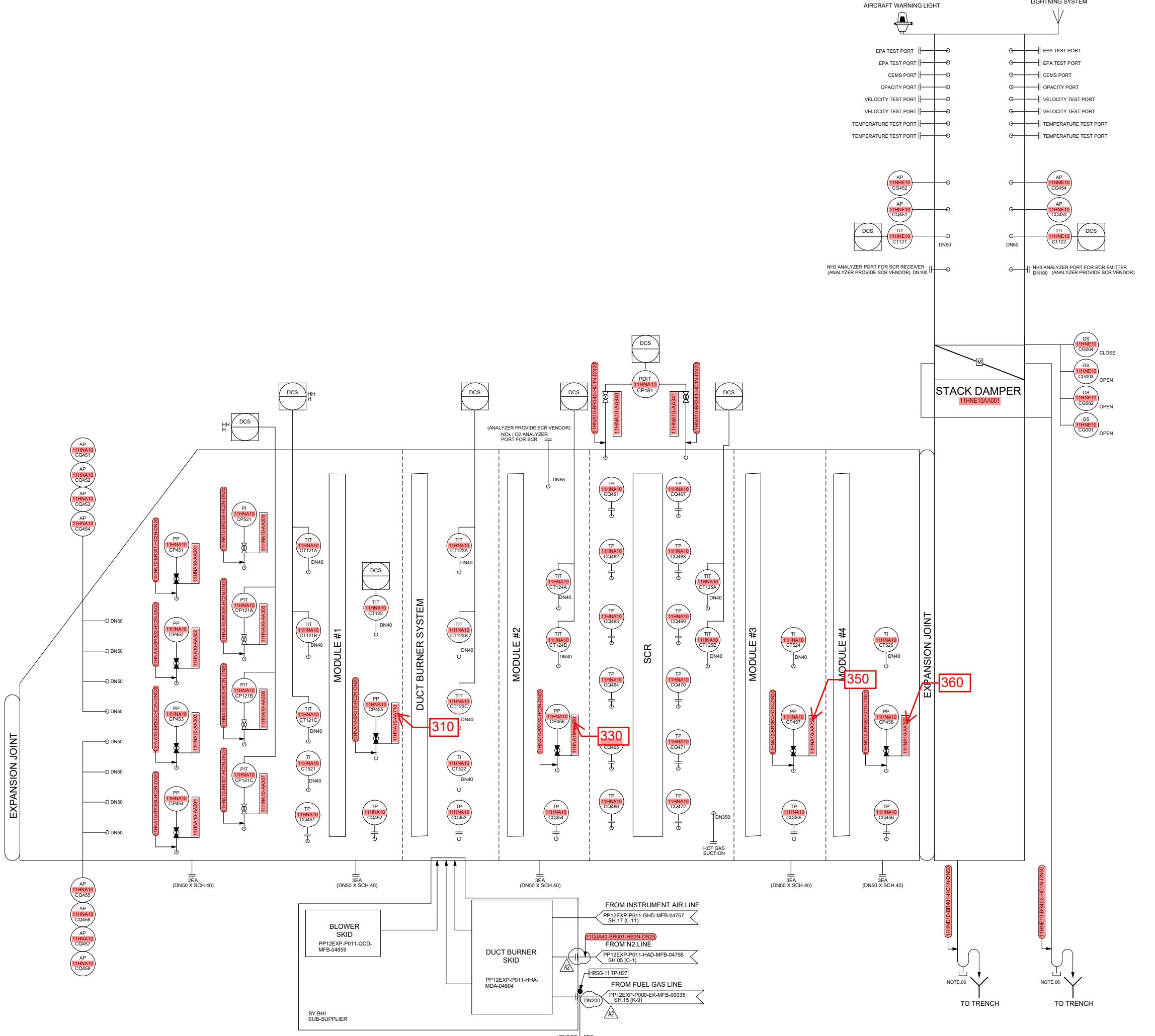
NAME **TITLE:**

HRSG_P&I DIAGRAM FOR L.P SUPERHEATER SYSTEM

5 S.H.YOO

15 16





NOTE :

1. 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

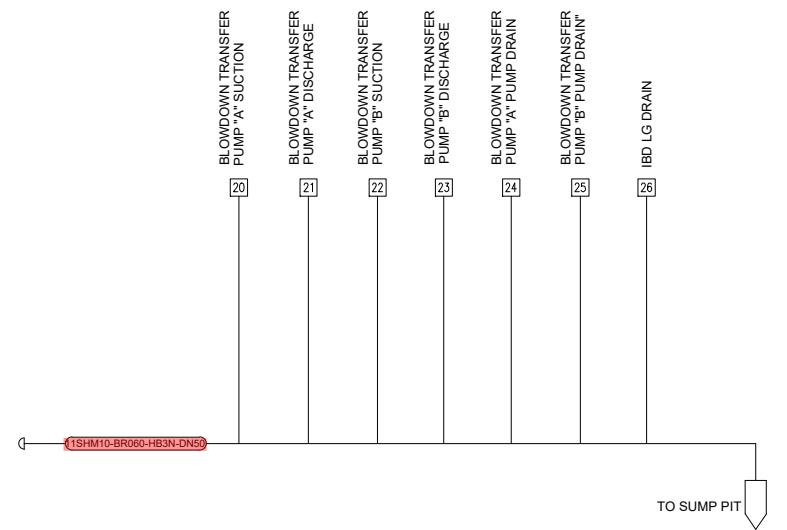
A : BOILER PROPER
B : BEP
C : NBEP
4. CCC : CHEMICAL CLEANING CONNECTION
5. EA : QUANTITY OF DRAIN POINT
6. PROVISION FOR INITIAL WATER FILLING

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
PP12 CCP EXPANSION PROJECT					
PROJECT :	SAUDI POWER PROCUREMENT COMPANY				
PRINCIPAL OWNER:	 SAUDI ARABIA				
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:	 DHI CO.,LTD.				
DATE	NAME	TITLE:	HRSG_P&I DIAGRAM FOR CASING SYSTEM		
REPAURED	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			
RG. NO.: PP12EXP-P011-HNA-MFB-04765			A2	SCALE : None	SHT: 15 OF 18 REV. A2
15			16		

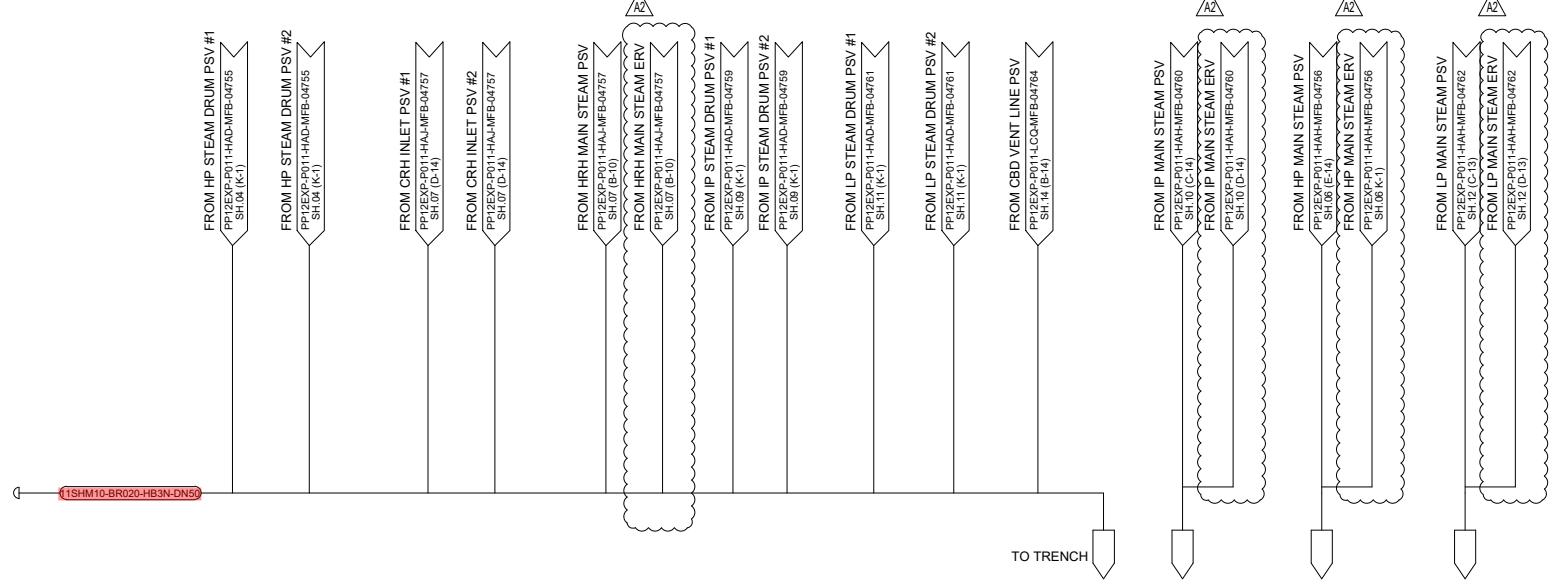
SILENCER DRAIN LINE



IBD TANK AREA DRAIN LINE



PRESSURE SAFETY VALVE DRAIN LINE



REFERENCE DRAWINGS:

DRAWING NO.	DRAWING TITLE
A1	ISSUE FOR APPROVAL
A2	ISSUE FOR APPROVAL
A3	ISSUE FOR APPROVAL

HOLD LIST:

ITEM	DESCRIPTION	PREPARED	CHECKED	APPROVED
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
A4	07-MAR-25 ISSUE FOR APPROVAL	K.J.LEE	W.J.CHOI	S.H.YOO
REV. DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED

PROJECT: PP12 CCP EXPANSION PROJECT

PRINCIPAL BUYER: SAUDI POWER PROCUREMENT COMPANY

PROJECT COMPANY: SAUDI ELECTRICITY COMPANY

PROJECT CONSULTANT: FICHTNER GMBH & Co. KG

EPC CONTRACTOR CONSORTIUM: SEPCO III ELECTRIC POWER CONSTRUCTION CO. LTD. DOOSAN ENERBILITY

SUB SUPPLIER: DOOSAN Enerbility

DATE / NAME: PREPARED: 07-MAR-25 K.J.LEE

DESIGNED: 07-MAR-25 K.J.LEE

CHECKED: 07-MAR-25 W.J.CHOI

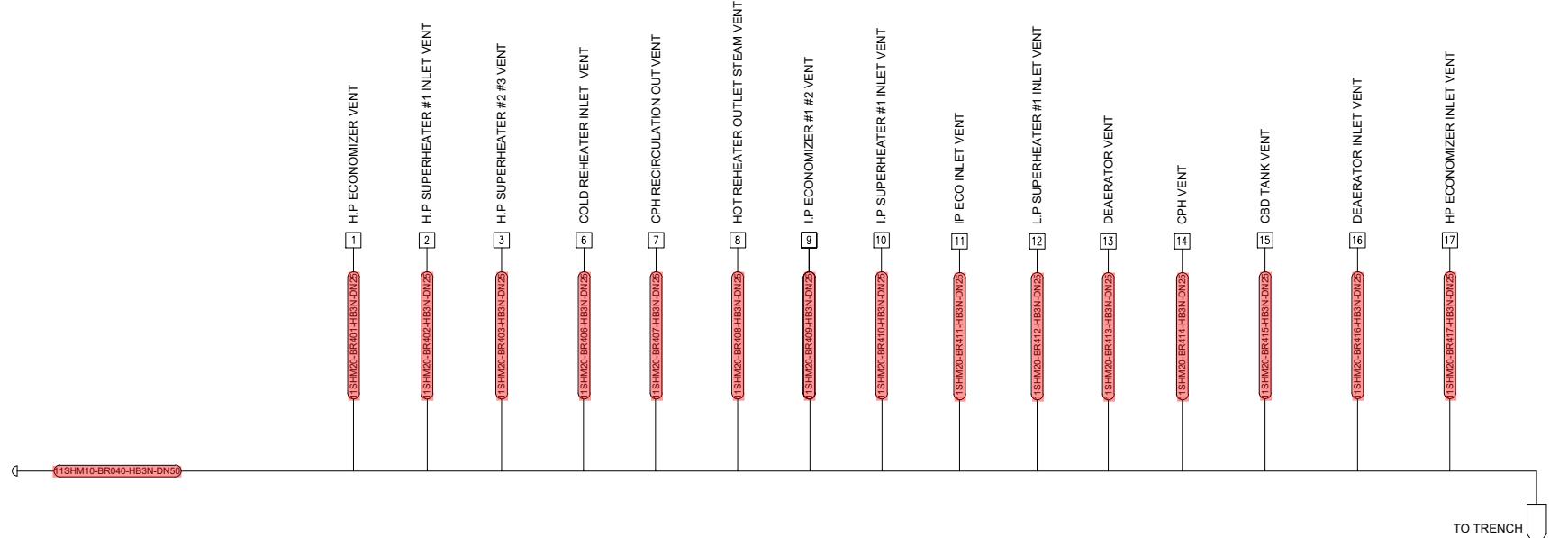
APPROVED: 07-MAR-25 S.H.YOO

TITLE: HRSG_P&I DIAGRAM FOR DRAIN SYSTEM

DRG. NO.: PP12EXP-P011-SHM-MFB-04766

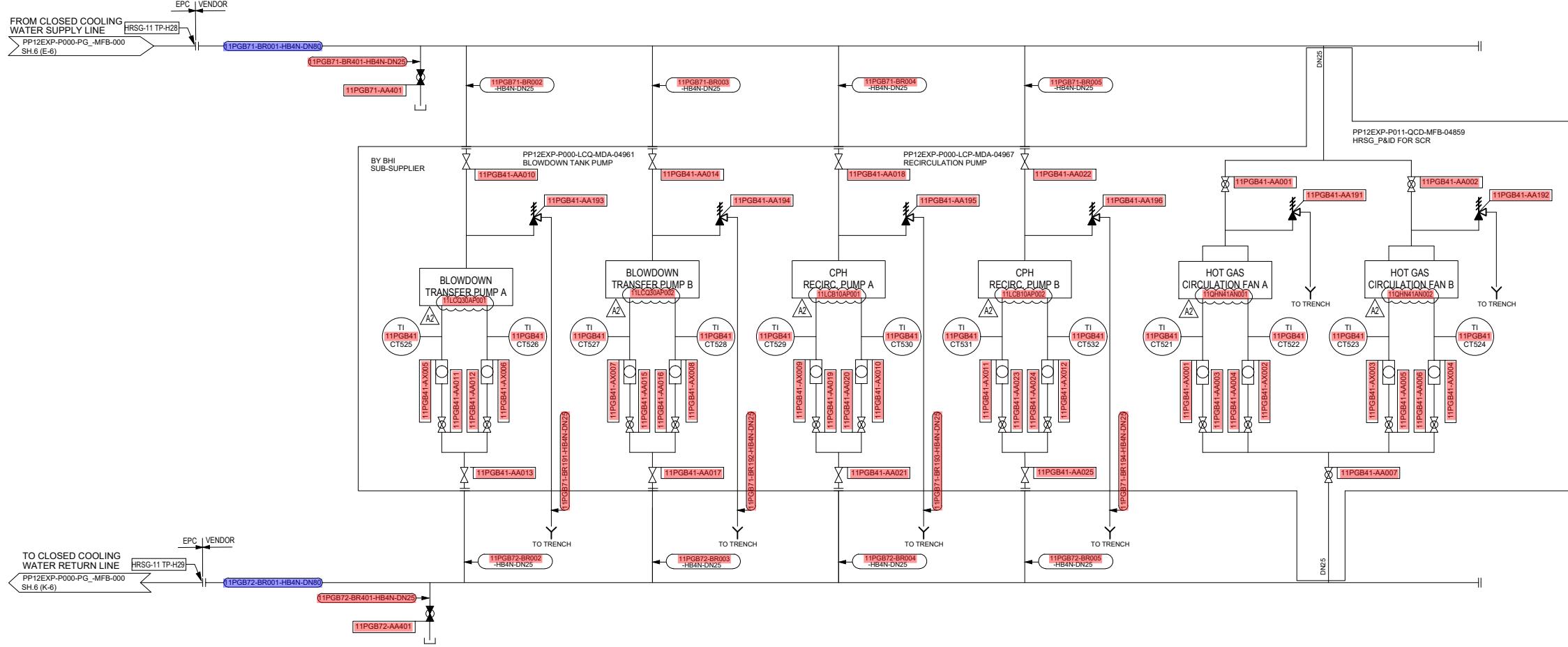
SCALE: None SHT: 16 OF 18 REV. A2

FUNNEL DRAIN LINE



- 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: NEP
04. CCC : CHEMICAL CLEANING CONNECTION

CLOSED COOLING WATER SYSTEM



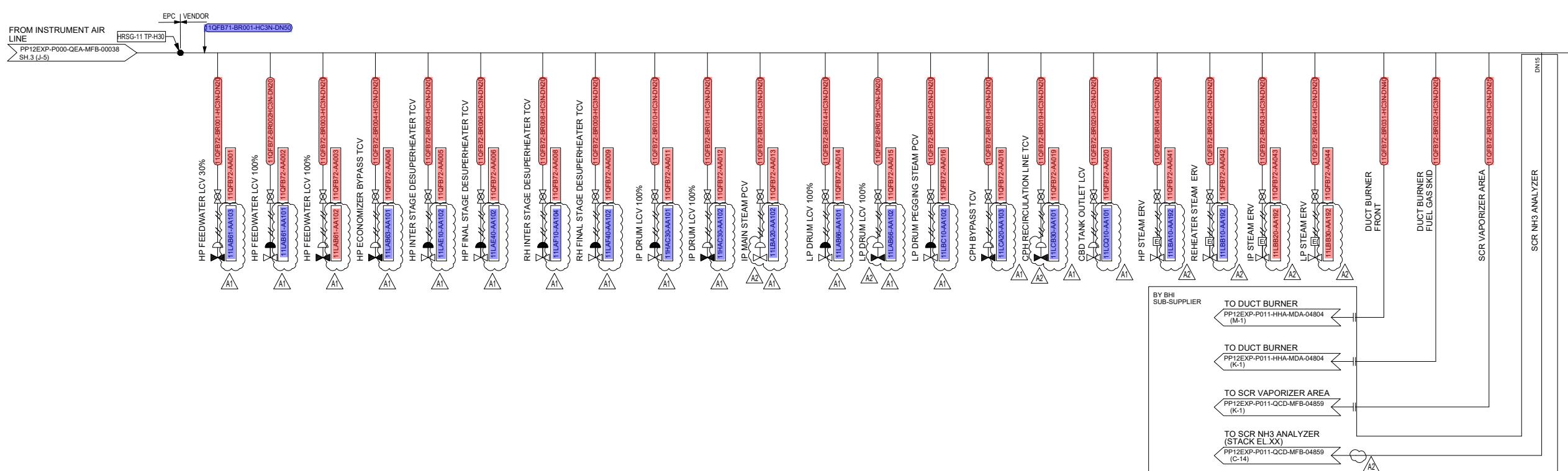
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01. THE GROUP & UNIT CODE ON DRAWING SHOW "11" FOR UNIT 1.
THEFORE, CONSIDER "12" FOR UNIT 2, "13" FOR UNIT 3.

02. SCOPE
VENDOR EPC V: BHI
E: EPC

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

04. : LOCAL MAINTENANCE DRAIN FOR VISUAL CHECK

INSTRUMENT AIR 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
A4	07-MAR-25	ISSUE FOR APPROVAL	K.J.LEE	W.J.CHOI	S.H.YOO
REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED

PP12 CCP EXPANSION PROJECT

PRINCIPAL BUYER SAUDI POWER PROCUREMENT COMPANY

PROJECT COMPANY SAUDI ELECTRICITY COMPANY

PROJECT CONSULTANT FICHTNER GMBH & Co. KG

EPIC CONTRACTOR CONSORTIUM SEPSCO III ELECTRIC POWER CONSTRUCTION CO. LTD. DOOSAN ENERBILITY

SUB-SUPPLIER DOOSAN ENERBILITY

DATE / NAME

PREPARED 07-MAR-25 K.J.LEE

DESIGNED 07-MAR-25 W.J.CHOI

CHECKED 07-MAR-25 S.H.YOO

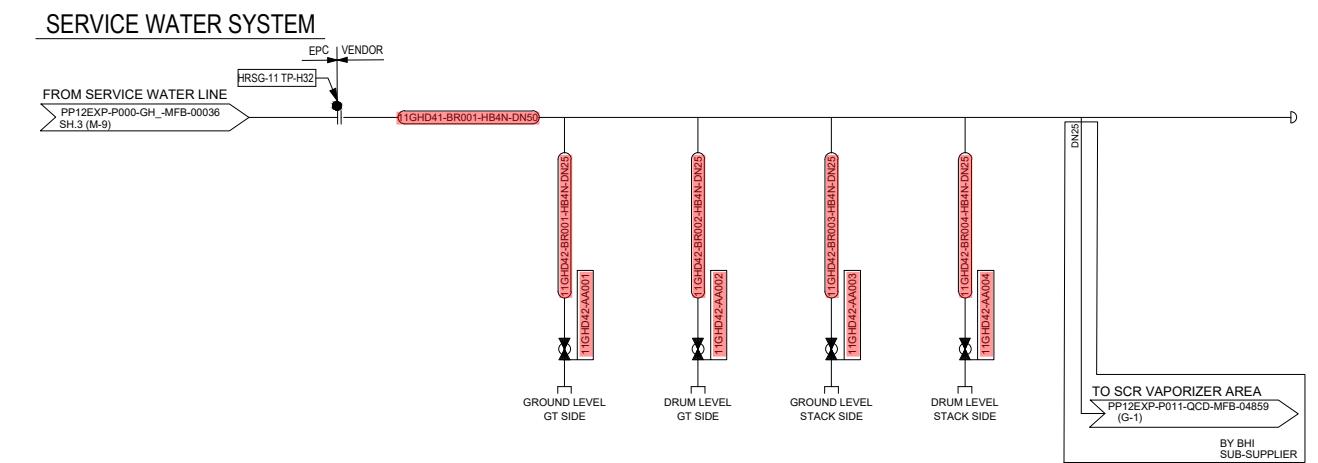
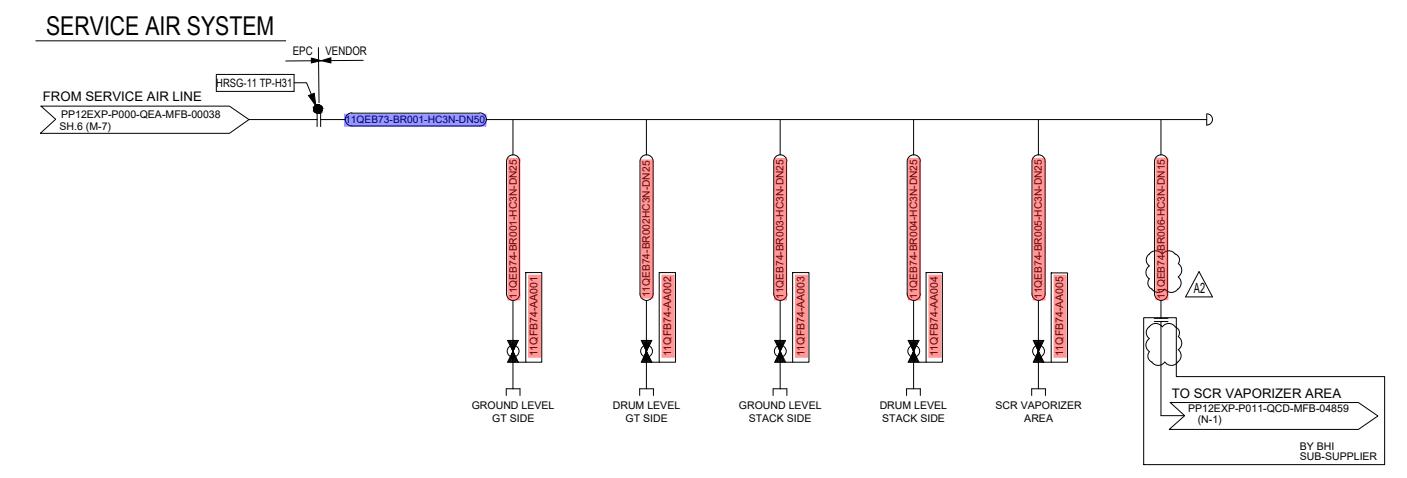
APPROVED 07-MAR-25 S.H.YOO

DRG. NO.: PP12EXP-P011-GHD-MFB-04767

SCALE: None

SHT: 17 OF 18 REV. A2

01189mm x 841mm



OTE :
1. 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 : BH
E : EPC

3. CODE LIMIT PIPING

 A : BOILER PROPER
B : BEP
C : NBEP

12 CCPP EXPANSION PROJECT

SAUDI POWER PROCUREMENT COMPANY

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BOGUSAN ENERGY LTD.

**HRSG P&I DIAGRAM FOR
UTILITY SYSTEM (2/2)**