

NOTE:

01. THE GROUP & UNIT CODE ON DRAWING SHOW "00" FOR COMMON PACKAGE THEREFORE, CONSIDER "11" FOR UNIT 1, "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 : NECP

04. CCC : CHEMICAL CLEANING CONNECTION

05. [X] : CONNECTION FOR VENT FUNNEL DRAIN

06. [L] : LOCAL MAINTENANCE DRAIN FOR VISUAL CHECK

07. THE SCOPE OF THESE PITs AND RELATED ITEMS AS BELOW

- HOOK UP DESIGN : BY BHI
- STANCHION LOCATION DESIGN : BY SECCO III
- IO LIST : BY SEPCO III
- VFD CONTROL LOGIC : BY SEPCO III
- HOOK UP MATERIALS, STANCHION, CONDUIT, CABLES ETC SUPPLY BY SEPCO III
- PIPING MATERIAL, PIPE, FITTING, VALVE BY SEPCO III
- PIPING ROUTING INFORMATION : BY BHI

REFERENCE DRAWINGS:

DRAWING NO.	DRAWING TITLE

HOLD LIST:

REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED
A2	25-MAR-25	ISSUE FOR APPROVAL	K.J.LEE	W.J.OH	S.H.YOO
A1	24-MAR-25	ISSUE FOR APPROVAL	K.J.LEE	W.J.OH	S.H.YOO
04	27-MAR-25	ISSUE FOR APPROVAL	K.J.LEE	W.J.OH	S.H.YOO

PROJECT : PP12 CCPP EXPANSION PROJECT

PRINCIPAL BUYER : SAUDI POWER PROCUREMENT COMPANY

PROJECT COMPANY : SAUDI ELECTRICITY COMPANY

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

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

SUB SUPPLIER : BHI CO., LTD.

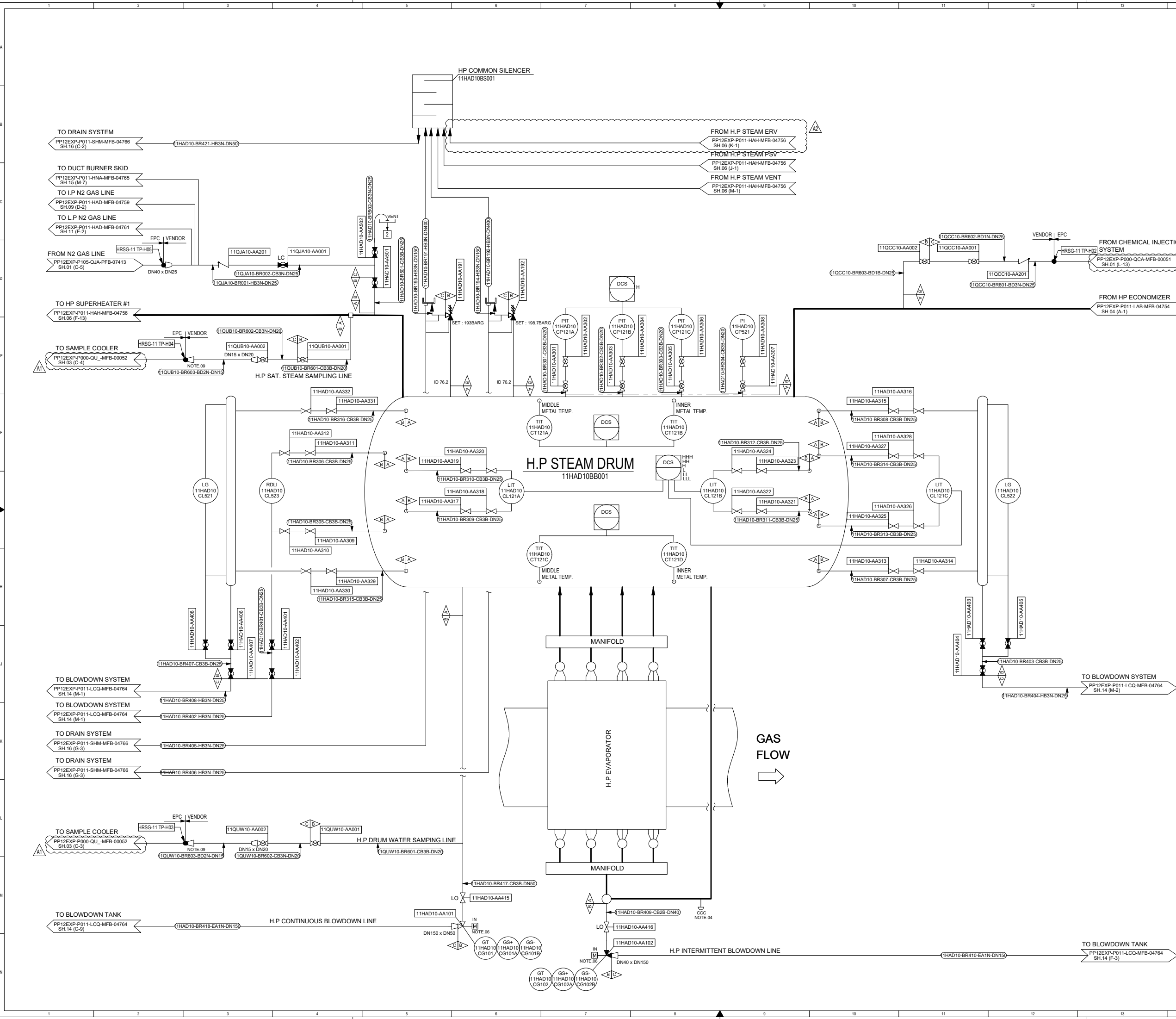
DATE : 07-MAR-25 NAME : K.J.LEE TITLE : HRSG P&I DIAGRAM FOR H.P. FEED WATER SYSTEM

DESIGNED : 07-MAR-25 W.J.OH

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

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

ORG. NO. : PP12EXP-P011-LAB-MFB-04754 SCALE : None SHT. 04 OF 18 REV. A2



NOTE:

01. THE GROUP & UNIT CODE ON DRAWING SHOW "00" FOR COMMON PACKAGE THEREFORE, CONSIDER "11" FOR UNIT 1, "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 : NBEF

04. CCC : CHEMICAL CLEANING CONNECTION

05. □ : STEAM SAMPLING NOZZLE

06. LOCATE HRSG DRUM INTERMITTENT AND CONTINUOUS BLOWDOWN VALVES AS CLOSE AS PRACTICAL TO BLOWDOWN TANK.

07. [X] : CONNECTION FOR VENT FUNNEL DRAIN

08. [Symbol] : LOCAL MAINTENANCE DRAIN FOR VISUAL CHECK

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

REFERENCE DRAWINGS:

DRAWING NO.	DRAWING TITLE

HOLD LIST:

REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED

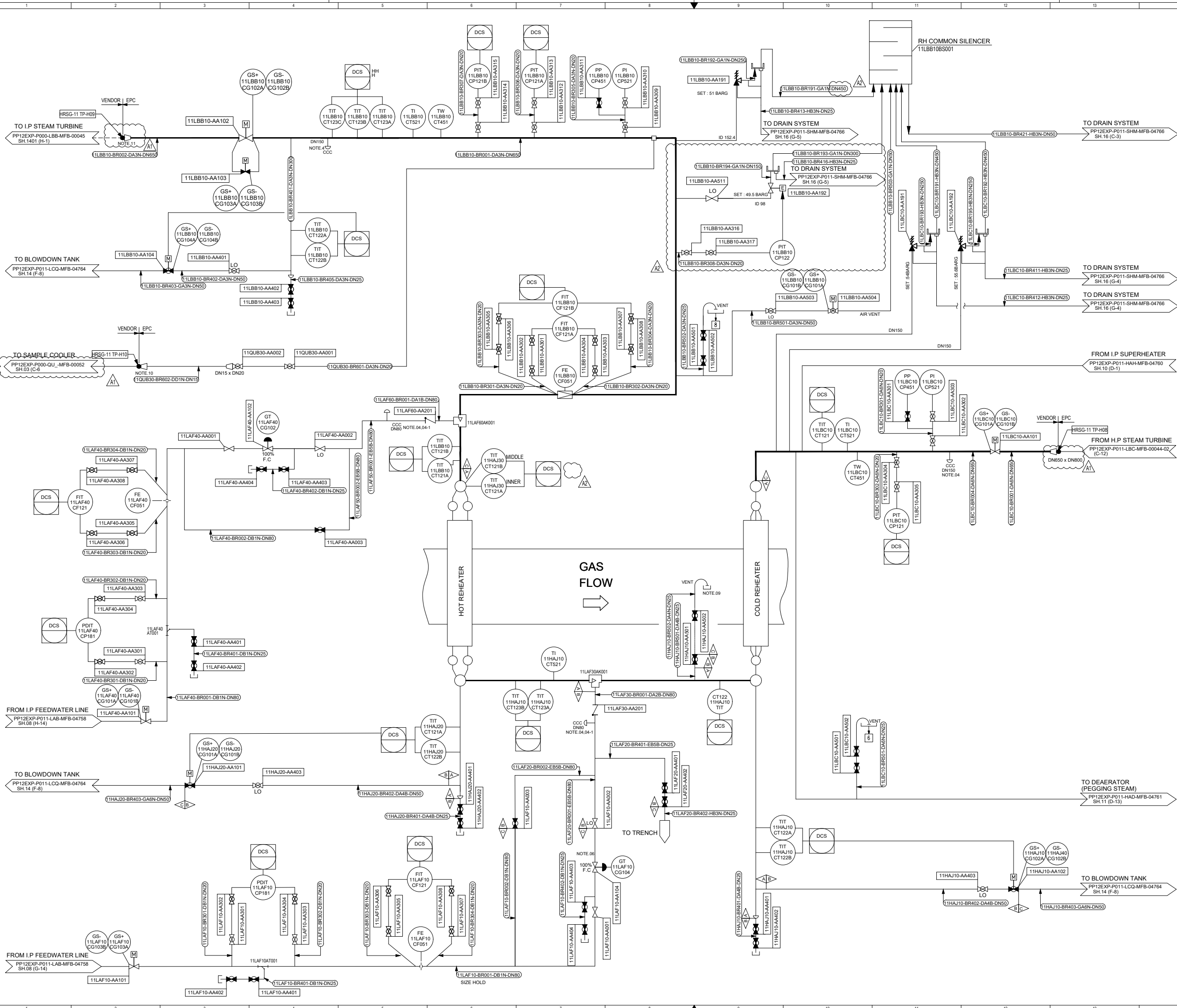
PROJECT : PP12 CCPP EXPANSION PROJECT

PRINCIPAL BUYER:	SAUDI POWER PROCUREMENT COMPANY
PROJECT COMPANY:	SAUDI ELECTRICITY COMPANY
PROJECT COMPANY'S CONSULTANT:	FICHTNER FICHTNER GMBH & Co. KG
EPC CONTRACTOR CONSORTIUM:	SEPCO III ELECTRIC POWER CONSTRUCTION CO. LTD. DOOSAN ENERBILITY
SUB SUPPLIER:	DOOSAN CO., LTD.

DATE	NAME	TITLE:
07-MAR-25	KJLEE	HRSG P&I DIAGRAM FOR H.P. STEAM DRUM SYSTEM
07-MAR-25	KJLEE	
07-MAR-25	WJCHOI	
07-MAR-25	SHYOO	

DRG. NO.: PP12EXP-P011-HAD-MFB-04755 SCALE: None SHT. 05 OF 18 REV. A2

As 11 (8mm x 84mm)



NOTE:

01. THE GROUP & UNIT CODE ON DRAWING SHOW "00" FOR COMMON PACKAGE. 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 : REP
C : NBEF

04. CCC : CHEMICAL CLEANING CONNECTION
04-1. FOR PRESSURE TEST PROVISION AS WELL.

05. □ : STEAM SAMPLING NOZZLE

06. TCV SHALL BE LOCATED LOWER THAN SPRAY NOZZLE.

07. [X] : CONNECTION FOR VENT FUNNEL DRAIN

08. [Symbol] : LOCAL MAINTENANCE DRAIN FOR VISUAL CHECK

09. THE HEIGHT/ST POINT VENT (IT WILL BE CLOSED WITH TREADED CAP)

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

11. FOR EACH UNIT TP, REDUCER ITR PIECE END BEVEL SHALL BE CONSIDER AS BELOW.
- UNIT 11/12/13 : ID680MM/WT30 X DN650 x AW730

REFERENCE DRAWINGS:

DRAWING NO.	DRAWING TITLE

HOLD LIST:

REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED

PROJECT : PP12 CCPP EXPANSION PROJECT

PRINCIPAL BUYER : SAUDI POWER PROCUREMENT COMPANY

PROJECT COMPANY : SAUDI ELECTRICITY COMPANY

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

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

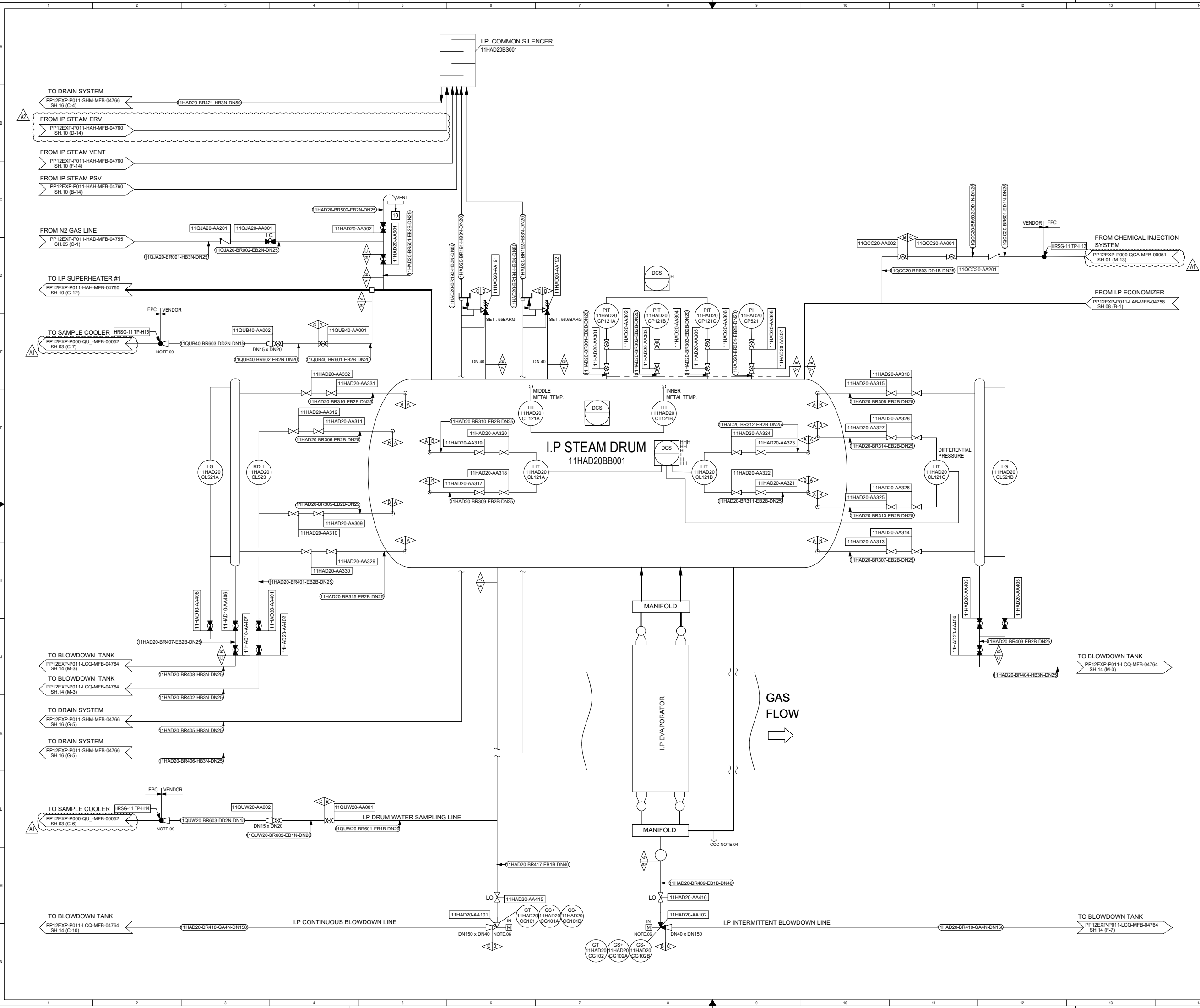
SUB SUPPLIER : BHI CO., LTD.

PREPARED : 07-MAR-25 KJLEE
DESIGNED : 07-MAR-25 WJCHOI
CHECKED : 07-MAR-25 SHYOO
APPROVED : 07-MAR-25 SHYOO

HRSG P&I DIAGRAM FOR REHEATER SYSTEM

DRG. NO. : PP12EXP-P011-HAJ-MFB-04757 SCALE : None SHT: 07 OF 18 REV. A2

As 11/18mm x 841mm



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: NBEF

04. CCC: CHEMICAL CLEANING CONNECTION

05. ☐ : STEAM SAMPLING NOZZLE

06. LOCATE HRSG DRUM INTERMITTENT AND CONTINUOUS BLOWDOWN AS CLOSE AS PRACTICAL TO BLOWDOWN TANK

07. ☒ : CONNECTION FOR VENT FUNNEL DRAIN (REFER TO SH.16)

08. : LOCAL MAINTENANCE DRAIN FOR VISUAL CHECK

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

REFERENCE DRAWINGS:	
DRAWING NO.	DRAWING TITLE

HOLD LIST:	
REV.	DATE

REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED

PROJECT: **PP12 CCPP EXPANSION 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. DOOSAN ENERBILITY

SUB SUPPLIER: DOOSAN ENEBRITY

DATE	NAME	TITLE:
07-MAR-25	K.J.LEE	HRSG P&I DIAGRAM FOR I.P. STEAM DRUM SYSTEM
07-MAR-25	K.J.LEE	
07-MAR-25	W.J.OHOI	
07-MAR-25	S.H.YOO	

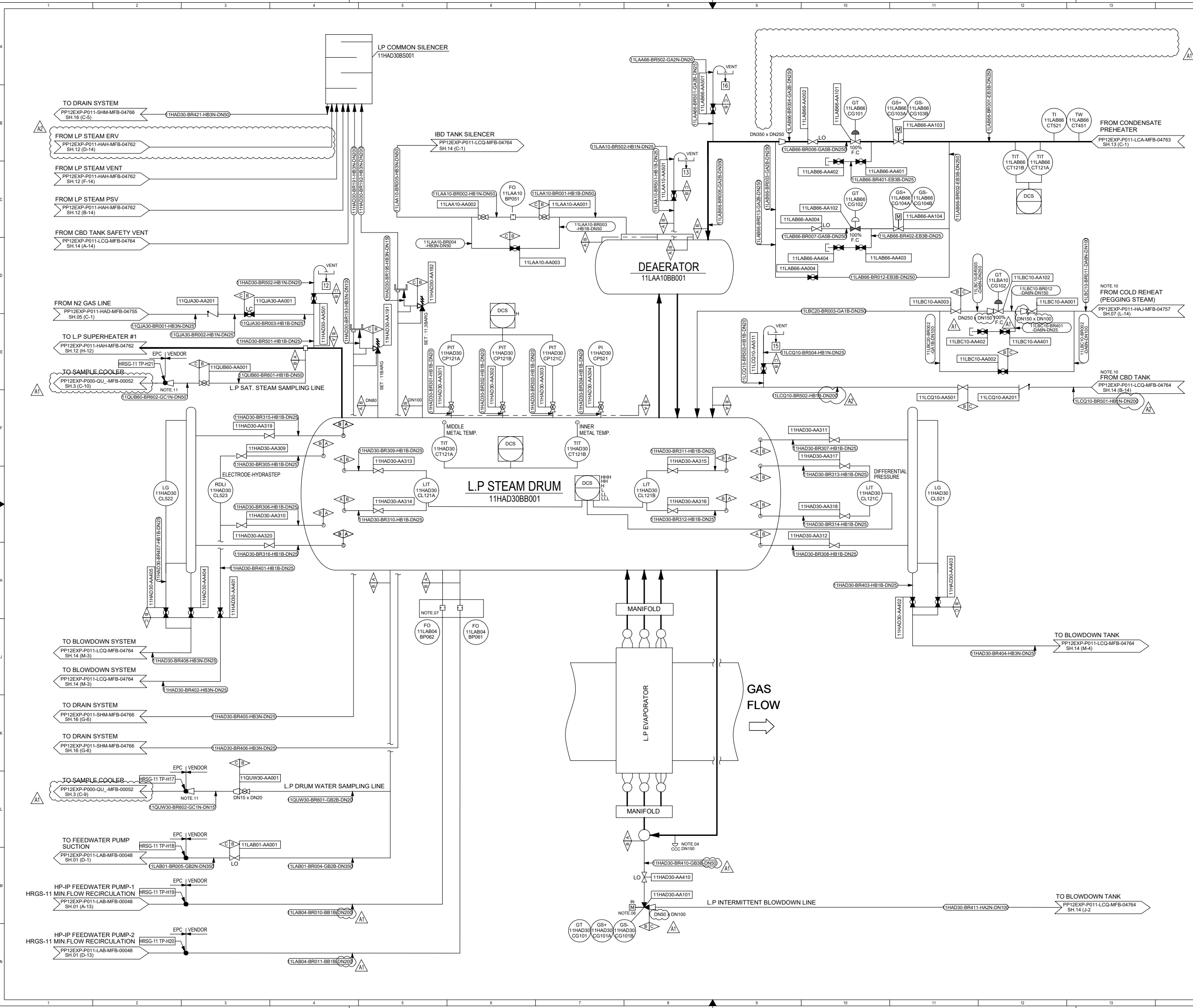
DRG. NO.: PP12EXP-P011-HAD-MFB-04759

SCALE: None

SHT. 09 OF 18

REV. A2

AS 11 (8mm x 84mm)



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: NEEP

04. CCC: CHEMICAL CLEANING CONNECTION

05. □: STEAM SAMPLING NOZZLE

06. LOCATE HRSG DRUM INTERMITTENT AND CONTINUOUS BLOWDOWN AS CLOSE AS PRACTICAL TO BLOWDOWN TANK

07. THESE RESTRICT ORIFICES WILL BE SUPPLIED BY OTHERS
ALSO, THEY SHALL BE LOCATED AS CLOSE AS POSSIBLE TO LP DRUM.

08. X: CONNECTION FOR VENT FUNNEL DRAIN (REFER TO SH.16)

09. LOCAL MAINTENANCE DRAIN FOR VISUAL CHECK

10. IT IS RECOMMENDED THAT VALVES TO BE LOCATED TO HIGHER POSITION THAN THE LP DRUM NOZZLE TO AVOID CONDENSATE ACCUMULATION.

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

REFERENCE DRAWINGS:

DRAWING NO.	DRAWING TITLE

HOLD LIST:

REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED

PROJECT: PP12 CCPP EXPANSION PROJECT

PRINCIPAL BUYER:	SAUDI POWER PROCUREMENT COMPANY
PROJECT COMPANY:	SAUDI ELECTRICITY COMPANY
PROJECT COMPANY'S CONSULTANT:	FICHTNER FICHTNER GMBH & Co. KG
EPC CONTRACTOR CONSORTIUM:	SEPCO III ELECTRIC POWER CONSTRUCTION CO. LTD. DOOSAN ENERLITY
SUB SUPPLIER:	DOOSAN CO., LTD.

DATE	NAME	TITLE
07-MAR-25	K.J.LEE	
07-MAR-25	K.J.LEE	
07-MAR-25	W.J.OH	
07-MAR-25	S.H.YOO	

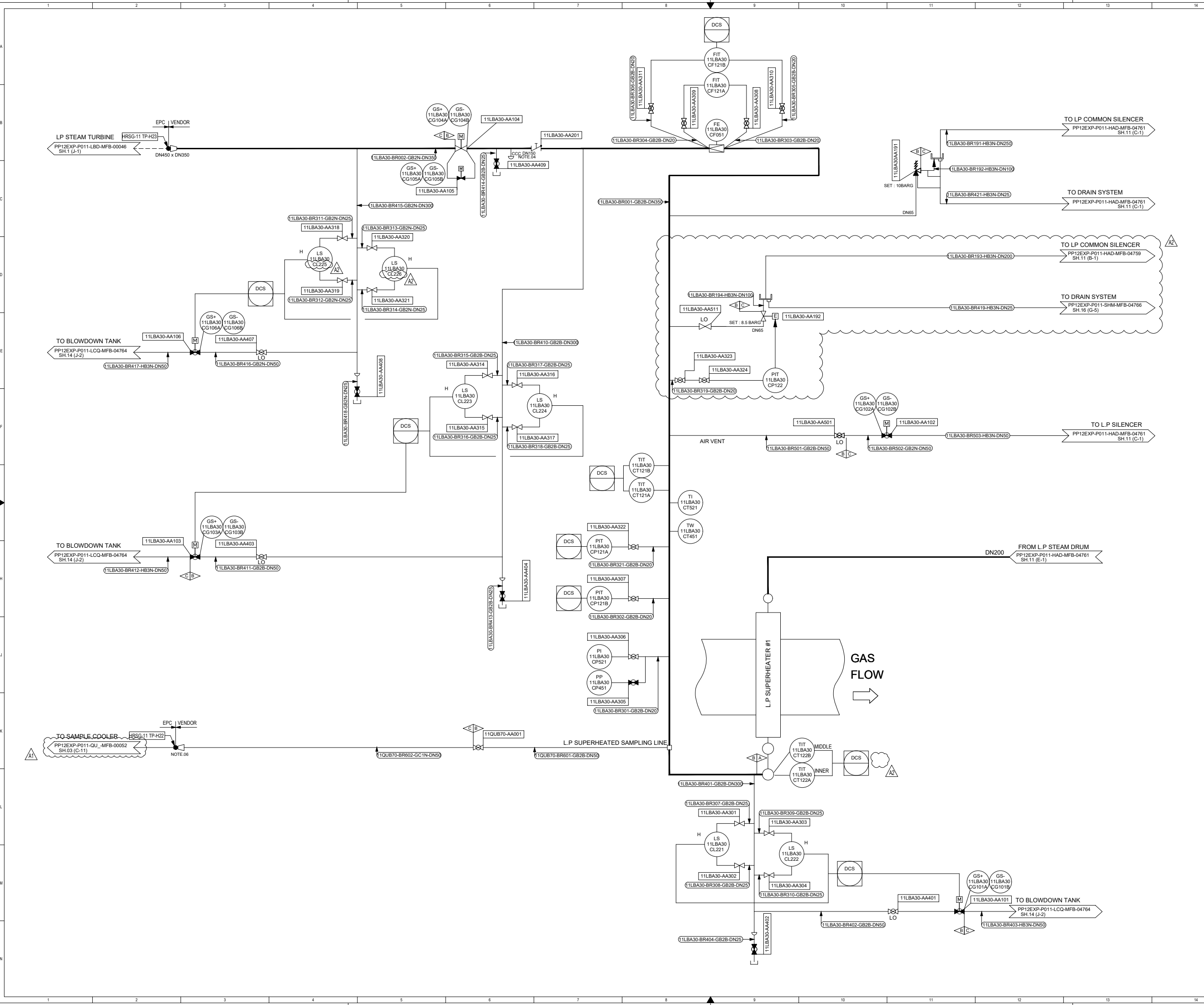
HRSG P&I DIAGRAM FOR L.P. STEAM DRUM SYSTEM

DRG. NO.: PP12EXP-P011-HAD-MFB-04761

SCALE: None

SHT: 11 OF 18

REV. A2



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

03. CODE LIMIT PIPING

A : BOILER PROPER
B : BEP
C : NBP

04. CCC : CHEMICAL CLEANING CONNECTION

05. : LOCAL MAINTENANCE DRAIN FOR VISUAL CHECK

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

REFERENCE DRAWINGS:

DRAWING NO.	DRAWING TITLE

HOLD LIST:

REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED

PROJECT : **PP12 CCPP EXPANSION PROJECT**

PRINCIPAL BUYER : **SAUDI POWER PROCUREMENT COMPANY**

PROJECT COMPANY : **SAUDI ELECTRICITY COMPANY**

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

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

SUB SUPPLIER : **DOOSAN CO., LTD.**

DATE : 07-MAR-25 NAME : K.J.LEE TITLE : **HRSG P&I DIAGRAM FOR L.P SUPERHEATER SYSTEM**

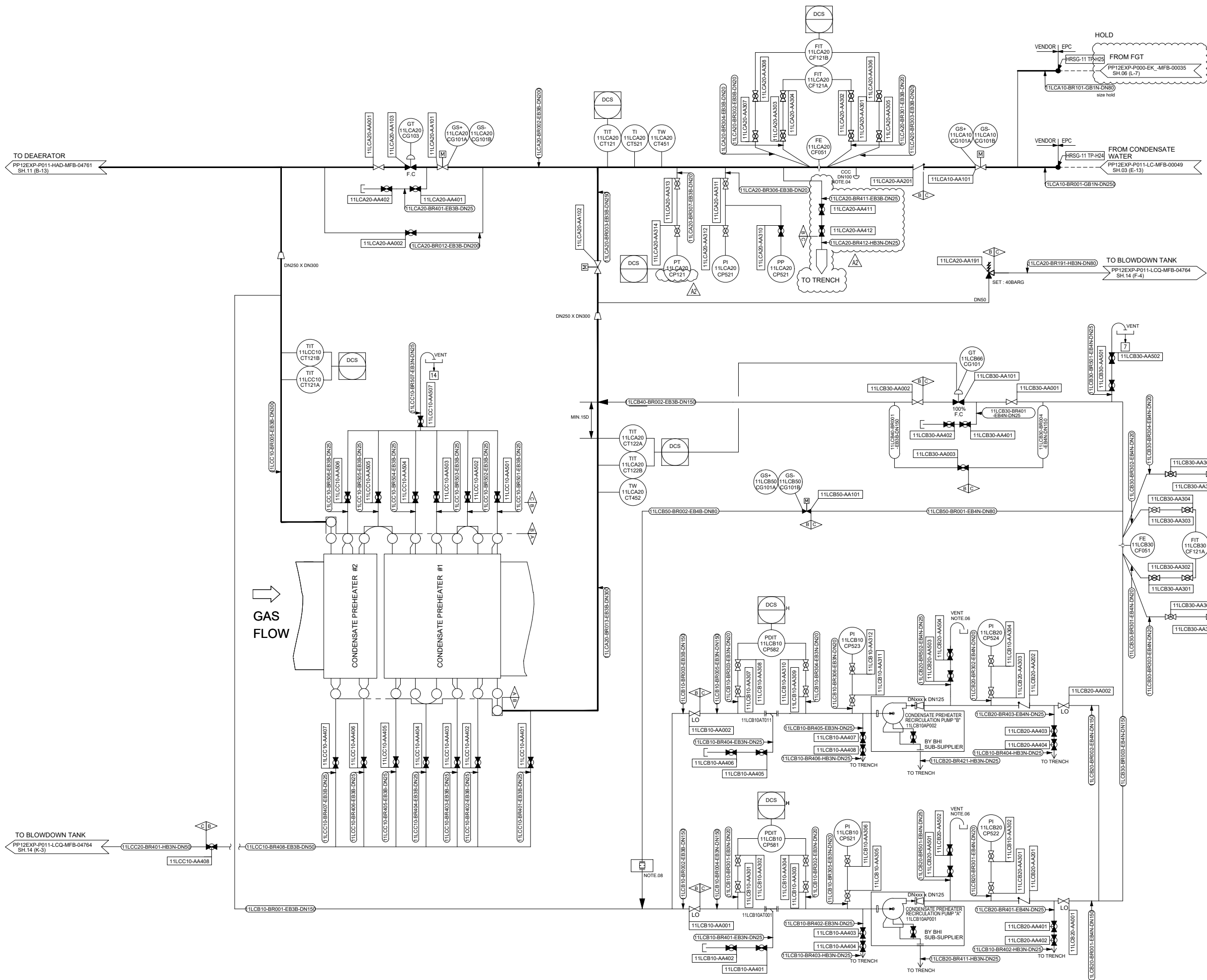
DESIGNED : 07-MAR-25 W.J.OHOI

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

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

DRG. NO. : PP12EXP-P011-HAH-MFB-04762 SCALE : None SMT: 12 OF 18 REV. A2

As 11 (8mm x 84mm)



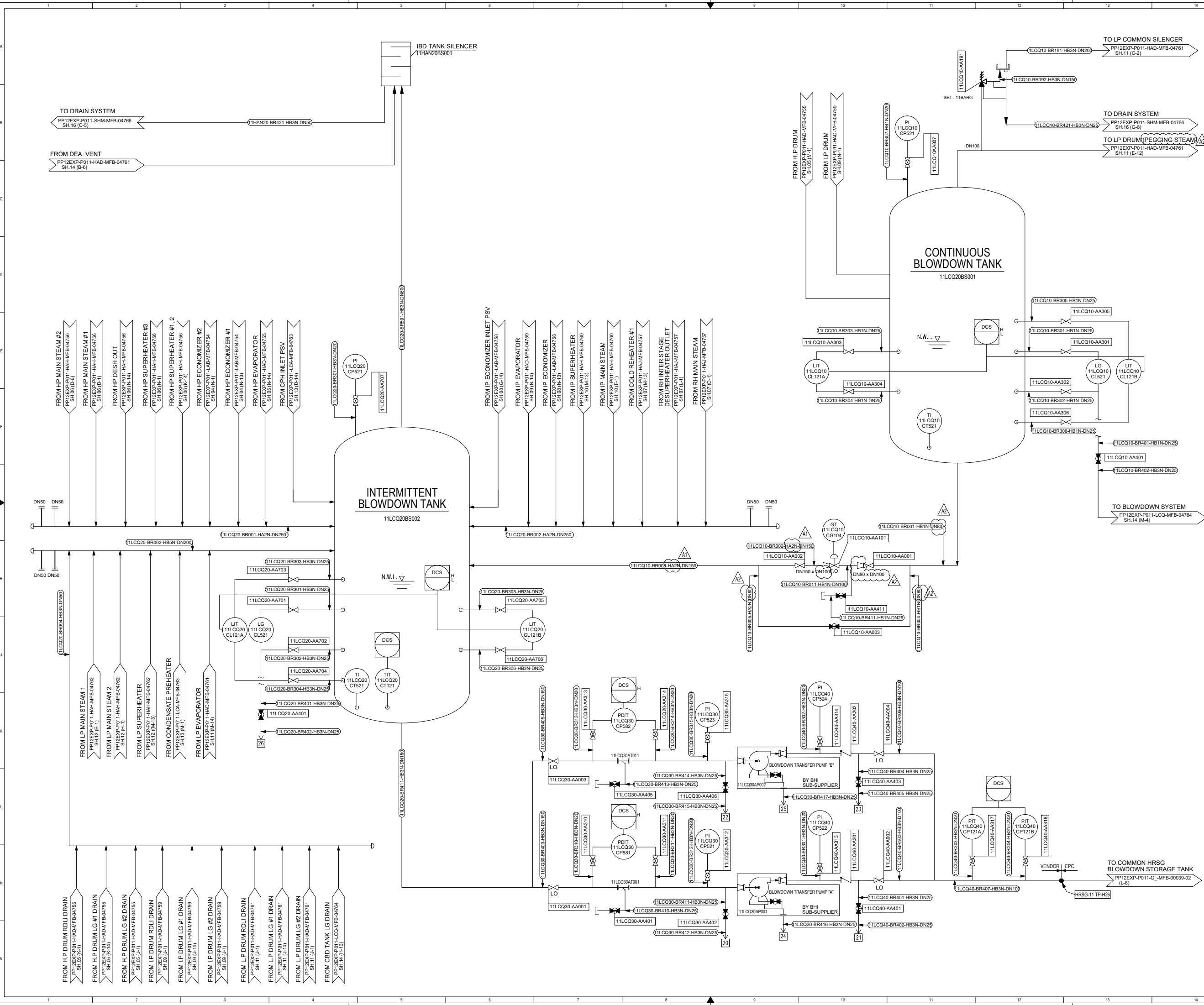
- NOTE:
01. THE GROUP & UNIT CODE ON DRAWING SHOW "11" FOR UNIT 1.
THEREFORE, COSIDER "12" FOR UNIT 2, "13" FOR UNIT 3.
02. SCOPE
- VENDOR | EPC V : BHI
E : EPC
03. CODE LIMIT PIPING
- A : BOILER PROPER
B : BEP
C : NBEF
04. CCC : CHEMICAL CLEANING CONNECTION
05. [X] : CONNECTION FOR VENT FUNNEL DRAIN (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

REFERENCE DRAWINGS:	
DRAWING NO.	DRAWING TITLE

HOLD LIST:

REV	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED
A2	25-MAR-25	ISSUE FOR APPROVAL	K.J.LEE	W.J.OH	S.H.YOO
A1	28-MAR-25	ISSUE FOR APPROVAL	K.J.LEE	W.J.OH	S.H.YOO
01	27-MAR-25	ISSUE FOR APPROVAL	K.J.LEE	W.J.OH	S.H.YOO

PROJECT : PP12 CCPP EXPANSION PROJECT		
PRINCIPAL BUYER:	SAUDI POWER PROCUREMENT COMPANY	
PROJECT COMPANY:	SAUDI ELECTRICITY COMPANY	
PROJECT COMPANY'S CONSULTANT:	FICHTNER FICHTNER GMBH & Co. KG	
EPC CONTRACTOR CONSORTIUM:	SEPCO III ELECTRIC POWER CONSTRUCTION CO. LTD. DOOSAN ENERLITY	
SUB SUPPLIER:	BHI CO., LTD.	
DATE	NAME	TITLE
PREPARED 07-MAR-25	K.J.LEE	
DESIGNED 07-MAR-25	K.J.LEE	
CHECKED 07-MAR-25	W.J.OH	
APPROVED 07-MAR-25	S.H.YOO	
HRSG P&I DIAGRAM FOR CONDENSATE PREHEATER SYSTEM		
DRG. NO.: PP12EXP-P011-LCA-MFB-04763		



NOTE:

- THE GROUP & UNIT CODE ON DRAWING SHOW "11" FOR UNIT 1. THEREFORE, COSIDER "12" FOR UNIT 2, "13" FOR UNIT 3.
- SCOPE
- CODE LIMIT PIPING
- CCC : CHEMICAL CLEANING CONNECTION
- LOCATE HRSG START UP AND CONTINUOUS BLOWDOWN VALVES AS CLOSE AS PRACTICAL TO BLOWDOWN TANK.
- LOCAL MAINTENANCE DRAIN FOR VISUAL CHECK

REFERENCE DRAWINGS:

DRAWING NO.	DRAWING TITLE

HOLD LIST:

REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED
A2	25-MAR-25	ISSUE FOR APPROVAL	KJLEE	WJCHOI	SHYOO
A1	28-MAR-25	ISSUE FOR APPROVAL	KJLEE	WJCHOI	SHYOO
01	27-MAR-25	ISSUE FOR APPROVAL	KJLEE	WJCHOI	SHYOO

PROJECT: PP12 CCPP EXPANSION PROJECT

PRINCIPAL BUYER: SAUDI POWER PROCUREMENT COMPANY

PROJECT COMPANY: SAUDI ELECTRICITY COMPANY

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

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

SUB SUPPLIER: BHI CO., LTD.

DATE: 07-MAR-25 NAME: KJLEE TITLE: HRSG P&I DIAGRAM FOR BLOWDOWN TANK SYSTEM

DESIGNED: 07-MAR-25 WJCHOI

CHECKED: 07-MAR-25 SHYOO

APPROVED: 07-MAR-25 SHYOO

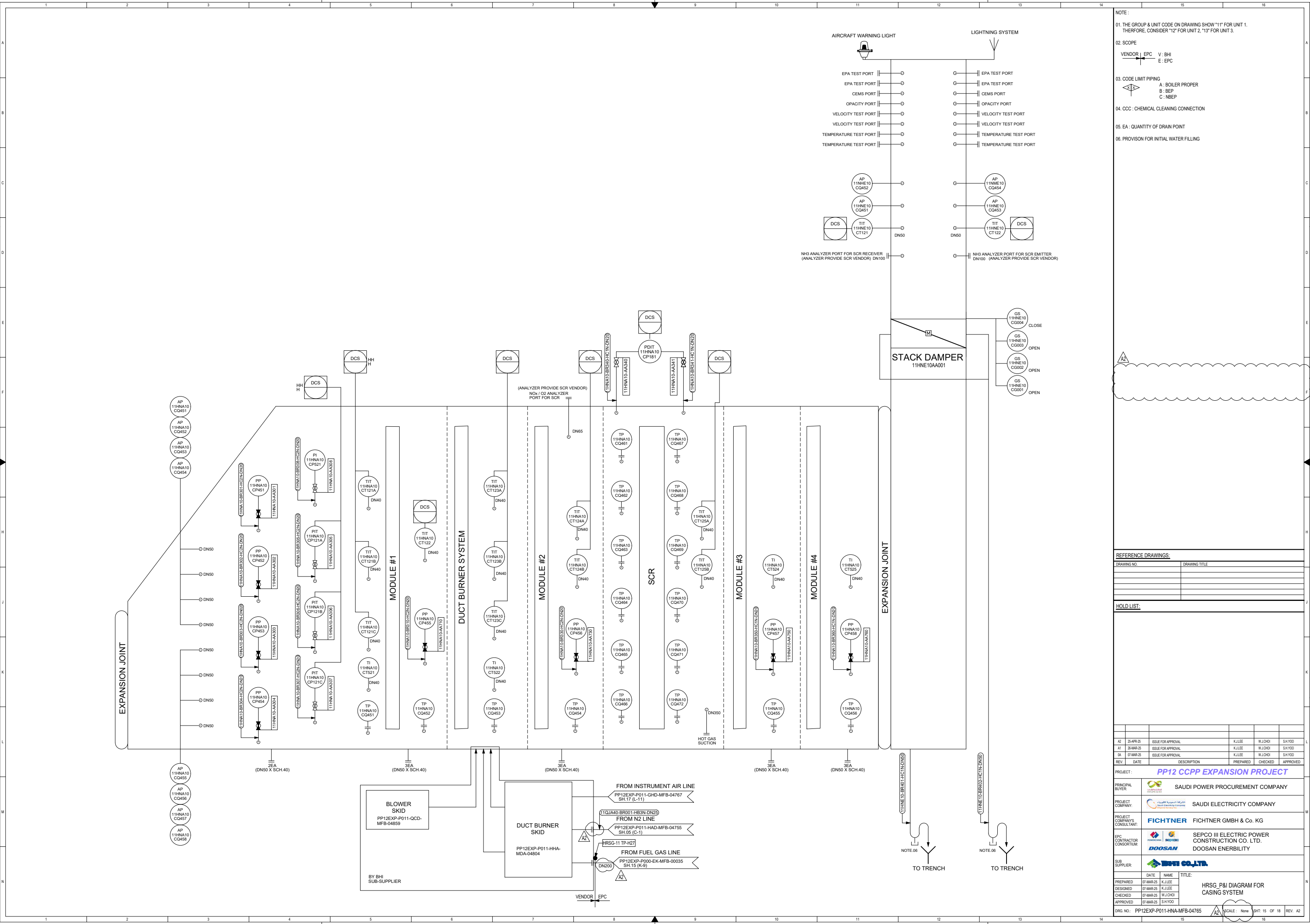
DRG. NO.: PP12EXP-P011-LCQ-MFB-04764

SCALE: None

SHT: 14 OF 18

REV: A2

As 11 (8mm x 84mm)



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 : NBEF

04. CCC : CHEMICAL CLEANING CONNECTION

05. EA : QUANTITY OF DRAIN POINT

06. PROVISION FOR INITIAL WATER FILLING

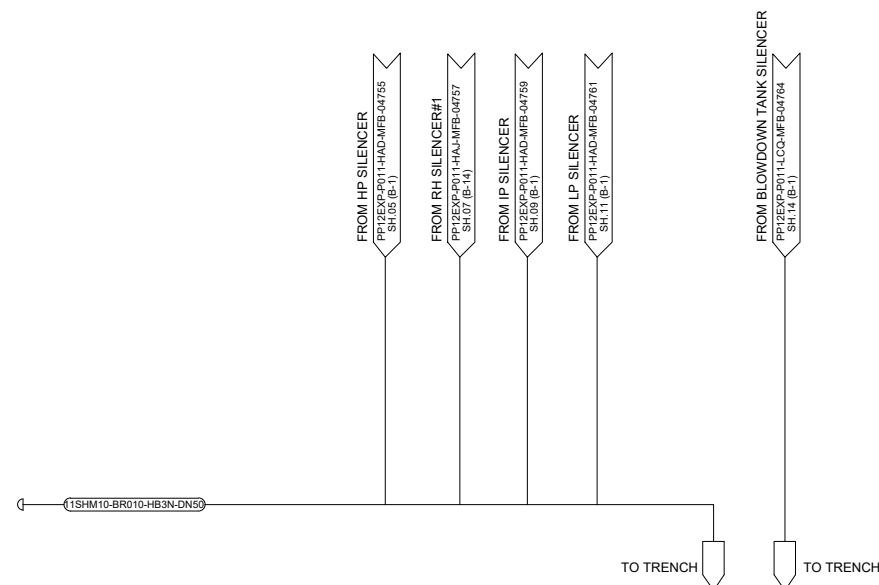
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DRAWING NO.	DRAWING TITLE

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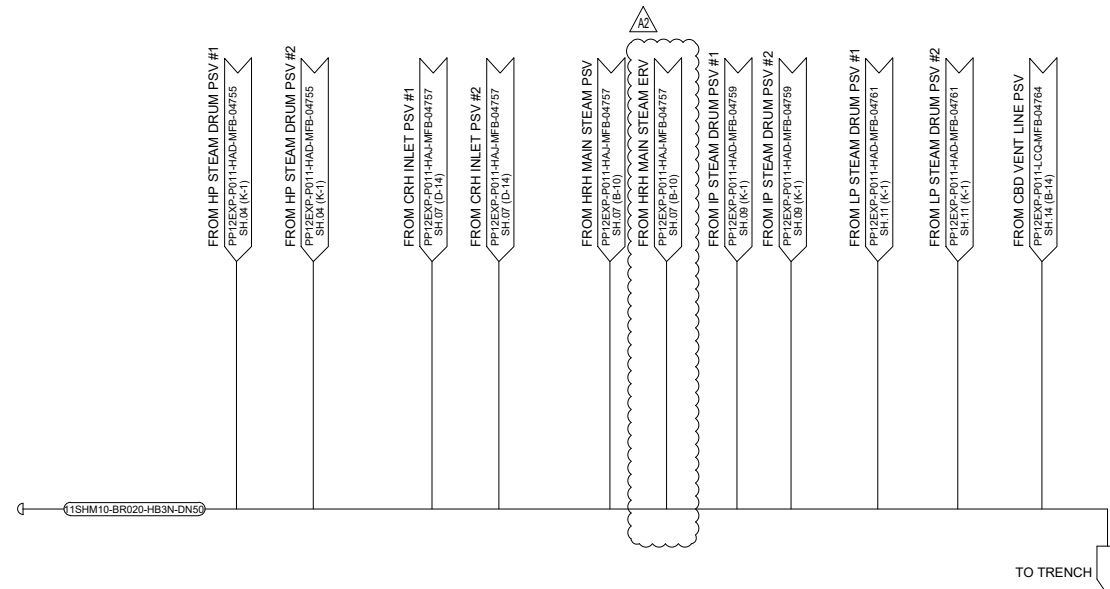
REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED

PROJECT :		PP12 CCPP EXPANSION 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. DOOSAN ENERLITY	
SUB SUPPLIER:		BHI CO., LTD.	
DATE	NAME	TITLE:	
PREPARED	07-MAR-25	K.J.LEE	
DESIGNED	07-MAR-25	K.J.LEE	
CHECKED	07-MAR-25	W.J.OHOI	
APPROVED	07-MAR-25	S.H.YOO	
DRG. NO. : PP12EXP-P011-HNA-MFB-04765		SCALE : None	
SHT: 15		OF 18	
REV. A2			

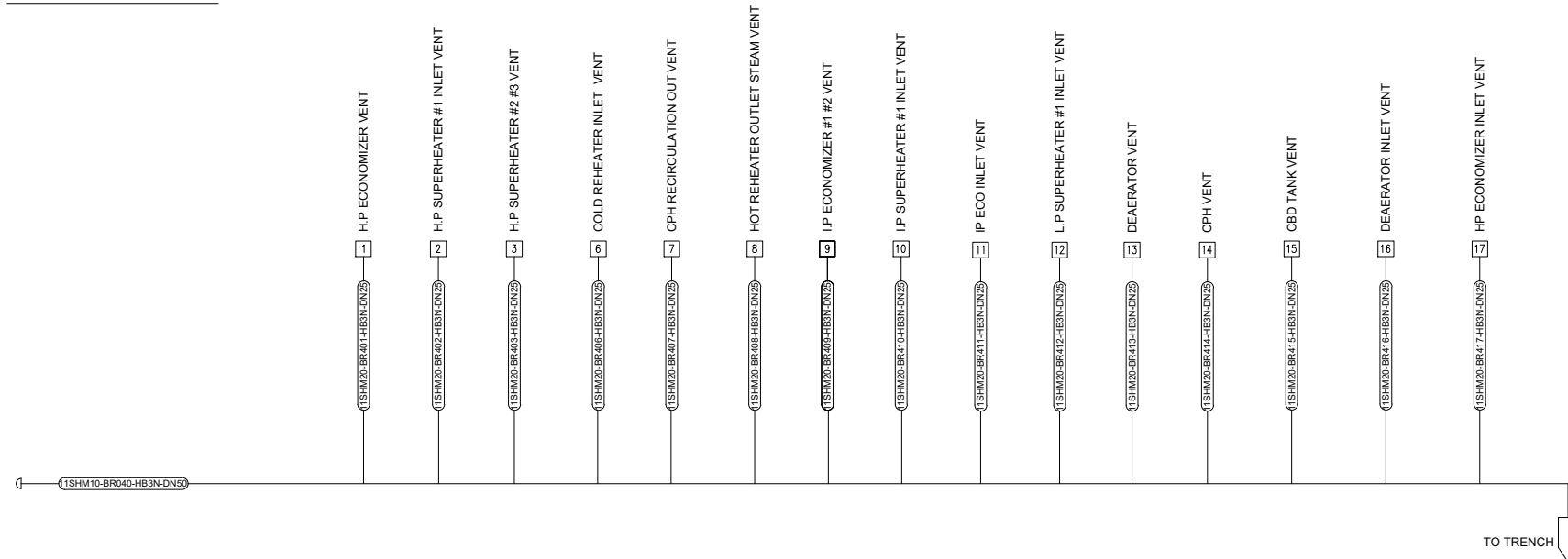
SILENCER DRAIN LINE



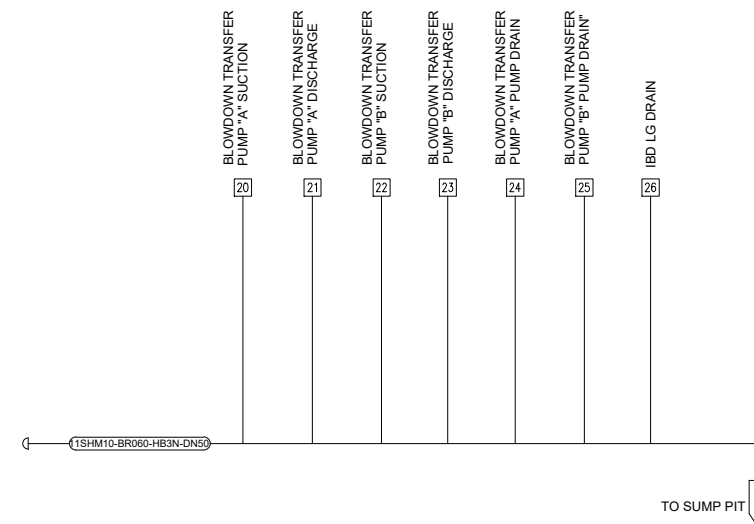
PRESSURE SAFETY VALVE DRAIN LINE



FUNNEL DRAIN LINE



IBD TANK AREA DRAIN LINE



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
F : EPC

03. CODE LIMIT PIPING

 A : BOILER PROPER
 B : BEP
 C : NBEP


04. CCC : CHEMICAL CLEANING CONNECTION

REFERENCE DRAWINGS:	
DRAWING NO.	DRAWING TITLE

HOLD LIST:

REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED
A2	25 APR 25	ISSUE FOR APPROVAL	KJ LEE	WJ DHO	SIX YOO
A1	26 MAR 25	ISSUE FOR APPROVAL	KJ LEE	WJ DHO	SIX YOO
0A	07 MAR 25	ISSUE FOR APPROVAL	KJ LEE	WJ DHO	SIX YOO

PROJECT: PP12 CCPP EXPANSION PROJECT




PRINCIPAL		SAUDI POWER PROCUREMENT COMPANY
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<p>  MINISTARSTVO OBRAZOVANJA I NAUKA REPUBLIKE SRBIJE </p>	<p> POSREDOVANJE U PROMETU POSREDOVANJE U PROMETU POSREDOVANJE U PROMETU </p>
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PROJECT COMPANY: SAUDI ELECTRICITY COMPANY

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

500 SEPCO III ELECTRIC POWER

CONTRACTOR CONSORTIUM:    CONSTRUCTION CO. LTD.
DOOSAN ENERGY


[illegible]

SUPPLIER:	BMT
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	DATE	NAME	TITLE
PREPARED	07-MAR-25	K.J.LEE	HRSC B&I DIAGRAM FOR

DESIGNED	07-MAR-25	K.J.LEE
CHECKED	07-MAR-25	W.J.CHOI

DRAIN SYSTEM

APPROVED	07-MAR-25	S.H.YOO	
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	15	16
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SCALE : Non

SHT

16 OF

9.0 (1180mm x 841mm)

FROM INSTRUMENT AIR LINE
PP12EXP-P000-QEA-MFB-00038 SH.3 (J-5)

EPC | VENDOR

HRS G-11 TP-H30

1QFB71-BR001-HCSN-DN20

HP FEEDWATER LCV 30%

11LAB61-AA103 11QFB72-AA001

HP FEEDWATER LCV 100%

11LAB61-AA101 11QFB72-AA002

HP FEEDWATER LCV 100%

11LAB61-AA102 11QFB72-AA003

HP ECONOMIZER BYPASS TCV

11LAB65-AA101 11QFB72-AA004

HP INTER STAGE DESUPERHEATER TCV

11LAB10-AA102 11QFB72-AA005

HP FINAL STAGE DESUPERHEATER TCV

11LAB40-AA102 11QFB72-AA006

RH INTER STAGE DESUPERHEATER TCV

11LAB10-AA103 11QFB72-AA008

RH FINAL STAGE DESUPERHEATER TCV

11LAB40-AA102 11QFB72-AA009

IP DRUM LCV 100%

11THAC30-AA101 11QFB72-AA011

IP DRUM LCV 100%

11THAC30-AA102 11QFB72-AA012

IP MAIN STEAM PCV

11LIBA20-AA102 11QFB72-AA013

LP DRUM LCV 100%

11LAB66-AA101 11QFB72-AA014

LP DRUM LCV 100%

11LAB66-AA102 11QFB72-AA015

LP DRUM PEGGING STEAM PCV

11LBC10-AA102 11QFB72-AA016

CPH BYPASS TCV

11LCA20-AA103 11QFB72-AA018

CPH RECIRCULATION LINE TCV

11LCB30-AA101 11QFB72-AA019

CBD TANK OUTLET LCV

11LCG10-AA101 11QFB72-AA020

HP STEAM ERV

11LAB10-AA102 11QFB72-AA041

REHEATER STEAM ERV

11LB810-AA102 11QFB72-AA042

IP STEAM ERV

11LB820-AA102 11QFB72-AA043

LP STEAM ERV

11LB830-AA102 11QFB72-AA044

DUCT BURNER FRONT

11QFB72-BR003-HCSN-DN40

DUCT BURNER FUEL GAS SKID

11QFB72-BR003-HCSN-DN20

SCR VAPORIZER AREA

11QFB72-BR003-HCSN-DN20

SCR NH3 ANALYZER

11QFB72-BR003-HCSN-DN20

DN15

BY BHI SUB-SUPPLIER

TO DUCT BURNER
PP12EXP-P011-HHA-MDA-04804 (M-1)

TO DUCT BURNER
PP12EXP-P011-HHA-MDA-04804 (K-1)

TO SCR VAPORIZER AREA
PP12EXP-P011-QCD-MFB-04859 (K-1)

TO SCR NH3 ANALYZER (STACK EL.XX)
PP12EXP-P011-QCD-MFB-04859 (C-14)

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

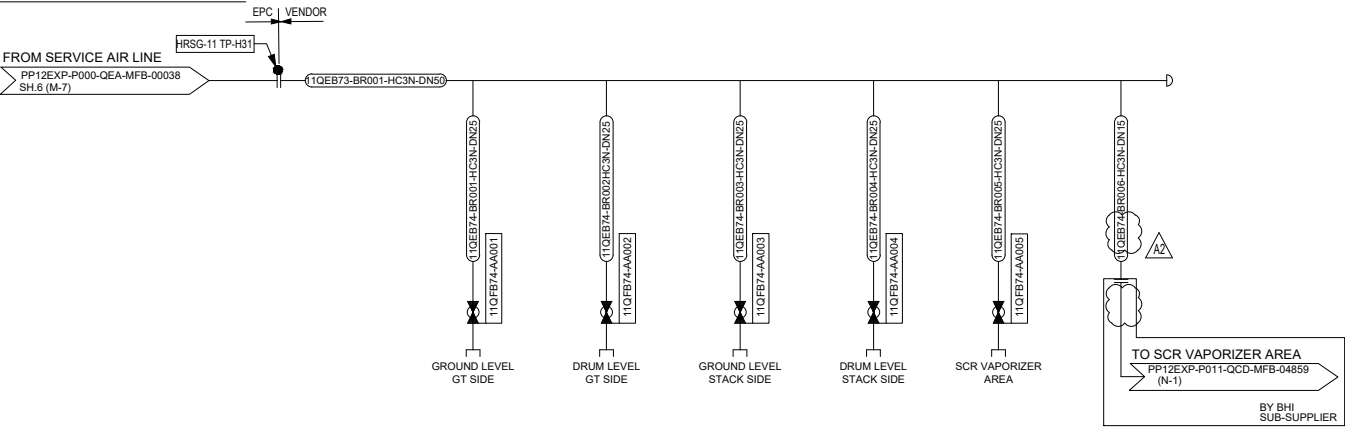
03. CODE LIMIT PIPING

A: BOILER PROPER
B: BEP
C: NBP

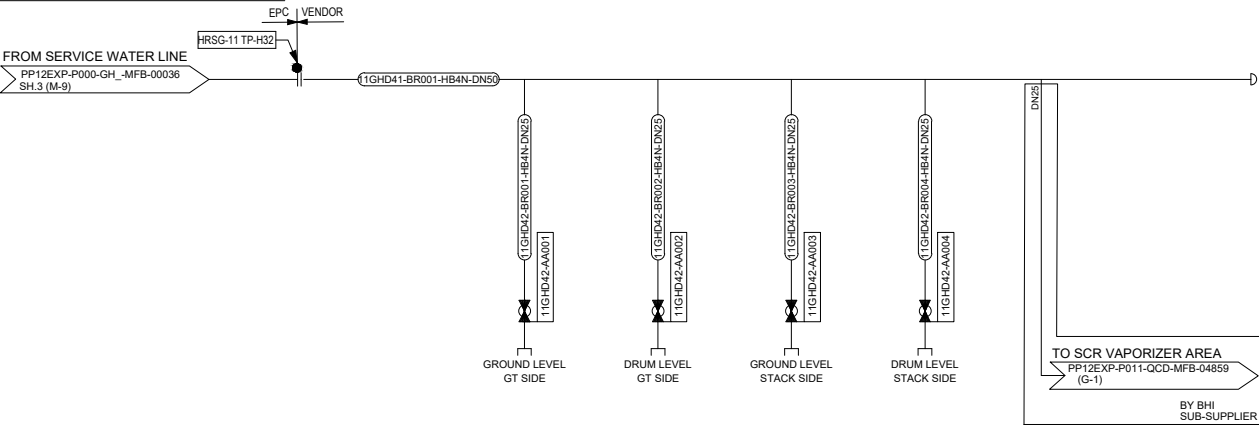
04.  : LOCAL MAINTENANCE DRAIN FOR VISUAL CHECK

[illegible]

SERVICE AIR SYSTEM



SERVICE WATER SYSTEM








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

REFERENCE DRAWINGS:	
DRAWING NO.	DRAWING TITLE

HOLD LIST:					

A2	25-MAR-25	ISSUE FOR APPROVAL	K.J.LEE	W.J.CHOI	S.H.YOO
A1	28-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

PROJECT : PP12 CCPP EXPANSION 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. DOOSAN ENERABILITY
SUB SUPPLIER:	 BHI CO.,LTD.

DATE	NAME	TITLE:
07-MAR-25	K.J.LEE	HRSG_P&I DIAGRAM FOR UTILITY SYSTEM (2/2)
07-MAR-25	K.J.LEE	
07-MAR-25	W.J.CHOI	
07-MAR-25	S.H.YOO	

DRG. NO.: PP12EXP-P011-GHD-MFB-04768

SCALE: None

SHT: 18 OF 18

REV: A2