

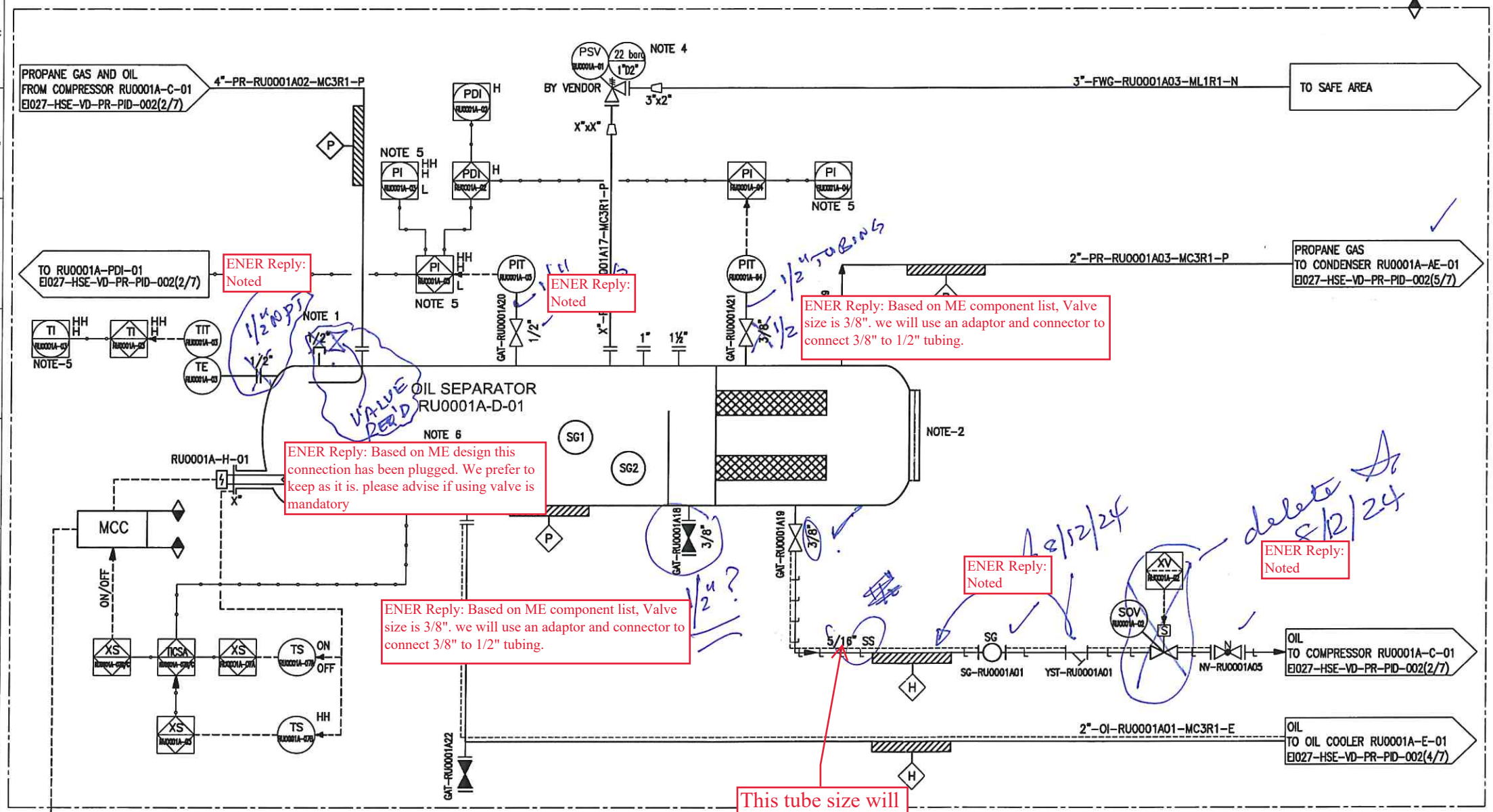




TAG NO.	RU0001A-D-01
SERVICE	OIL SEPARATOR
DESIGN PRESS. (BARG)	22
DESIGN TEMP. (°C)	-29/100
ID x L (mm)	590 x 2250

REFERENCE DRAWING	DWG NO.	REV.

- NOTES:
- 1- OIL TOP UP & VACUUM CONNECTION.
  - 2- INSPECTION HOLE.
  - 3- STOP CHECK VALVE FOR PREVENT SPIN BACK.
  - 4- SIZE OF PSV WILL BE FINALIZED ON NEXT STAGE.
  - 5- SIGNAL ROUT TO DCS.
  - 6- IN CASE OF LOW OIL LEVEL, THE OIL HEATER TO BE TRIPPED.
  - 7- SET TEMPERATURE FOR ELECTRICAL TRACING IS 30°C.



ENER Reply: Noted

ENER Reply: Noted

ENER Reply: Based on ME component list, Valve size is 3/8". we will use an adaptor and connector to connect 3/8" to 1/2" tubing.

ENER Reply: Based on ME design this connection has been plugged. We prefer to keep as it is. please advise if using valve is mandatory

ENER Reply: Based on ME component list, Valve size is 3/8". we will use an adaptor and connector to connect 3/8" to 1/2" tubing.

ENER Reply: Noted

ENER Reply: Noted

This tube size will be 1/2"

HOLDE:

EQUIPMENT LIST:

KEY PLAN:


	ISSUED FOR APPROVAL (IFA)	A.M.	F.SH.	A.M.
REV.	ISSUE DATE	DESCRIPTION	PREPARED	CHECKED

CLIENT

CONSULTING ENGINEER

PROJECT:

DRAWING TITLE:  
PROCESS & INSTRUMENTATION DIAGRAM (P&ID)-RU

DRAWING NO.	REV	SIZE	SCALE	SHEET
EI027-HSE-VD-PR-PID-002	00	A3	NTC	3 of 7

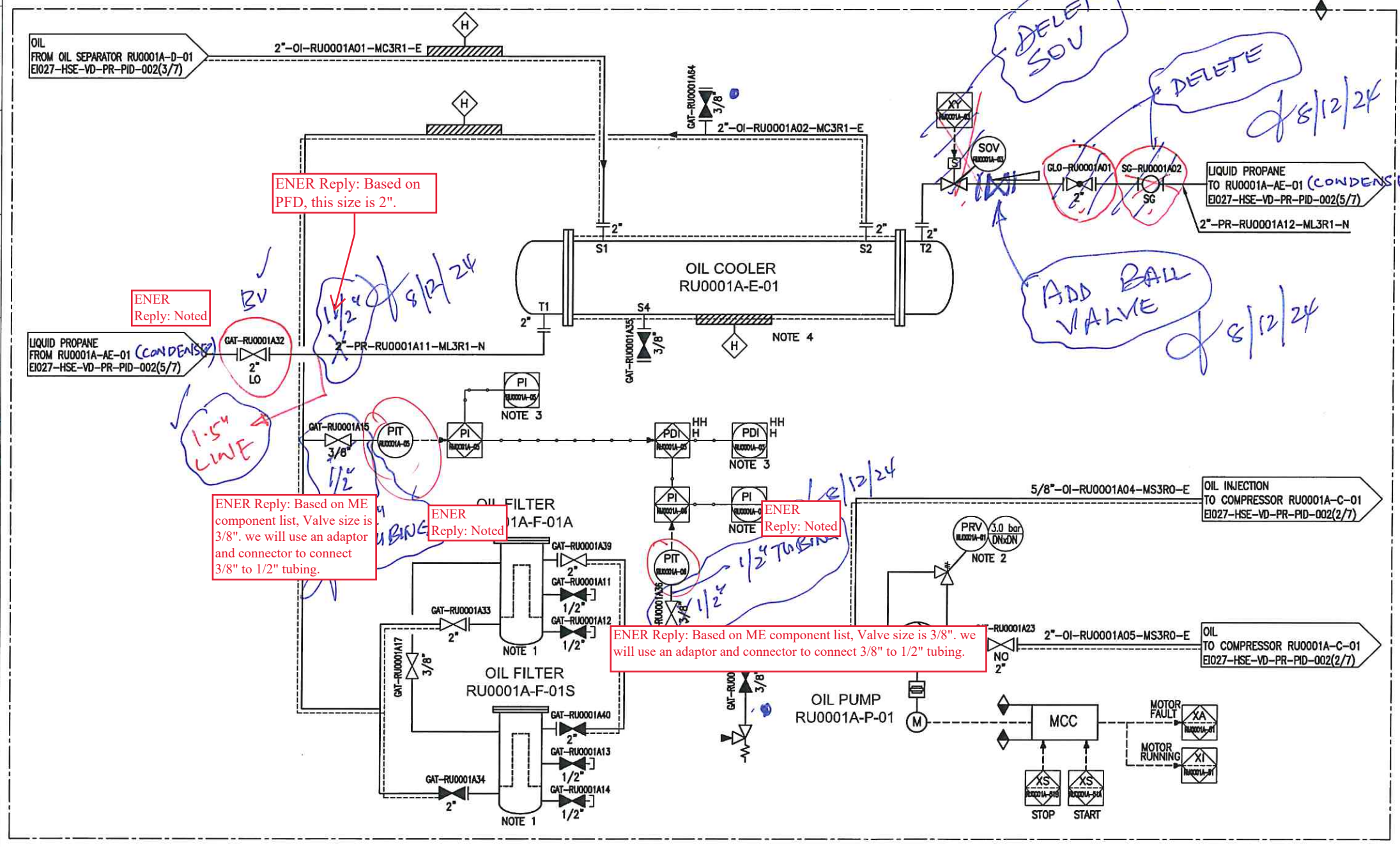
TAG NO.	RU0001A-E-01
SERVICE	OIL COOLER
DESIGN PRESS. (BARG)	S: 30, T:30
DESIGN TEMP. (°C)	S:5/100, T:-45/100
DESIGN DUTY (kW)	24.7
ID x L (mm)	139.7 x 2200
TYPE	AEH

TAG NO.	RU0001A-P-01
SERVICE	OIL PUMP
TYPE	SCREW PUMP
DESIGN PRESS. (BARG)	23
DESIGN TEMP. (°C)	5 / 100
RATED POWER (kW)	2.5

TAG NO.	RU0001A-F-01A/S
SERVICE	OIL FILTER
DESIGN PRESS. (BARG)	23
DESIGN TEMP. (°C)	5/100
ID x L (mm)	MAYEKAWA

REFERENCE DRAWING	DWG NO.	REV.

- NOTES:
- 1- ONE OPERATING / ONE STAND-BY.
  - 2- DP=3 BAR.
  - 3- SIGNAL ROUT TO DCS.
  - 4- HEAT TRACING TO BE TURNED OFF DURING COMPRESSOR START.
  - 5- SET TEMPERATURE FOR ELECTRICAL TRACING IS 30°C.



ENER Reply: Based on PFD, this size is 2".

ENER Reply: Noted

ENER Reply: Based on ME component list, Valve size is 3/8". we will use an adaptor and connector to connect 3/8" to 1/2" tubing.

ENER Reply: Noted

ENER Reply: Based on ME component list, Valve size is 3/8". we will use an adaptor and connector to connect 3/8" to 1/2" tubing.

DELETE SOV 8/12/24

DELETE 8/12/24

ADD BALL VALVE 8/12/24

HOLDE:

EQUIPMENT LIST:

KEY PLAN:

REV.	ISSUE DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED
00					

CLIENT:

CONSULTING ENGINEER:

PROJECT:

DRAWING TITLE:

PROCESS & INSTRUMENTATION DIAGRAM (P&ID)-RU

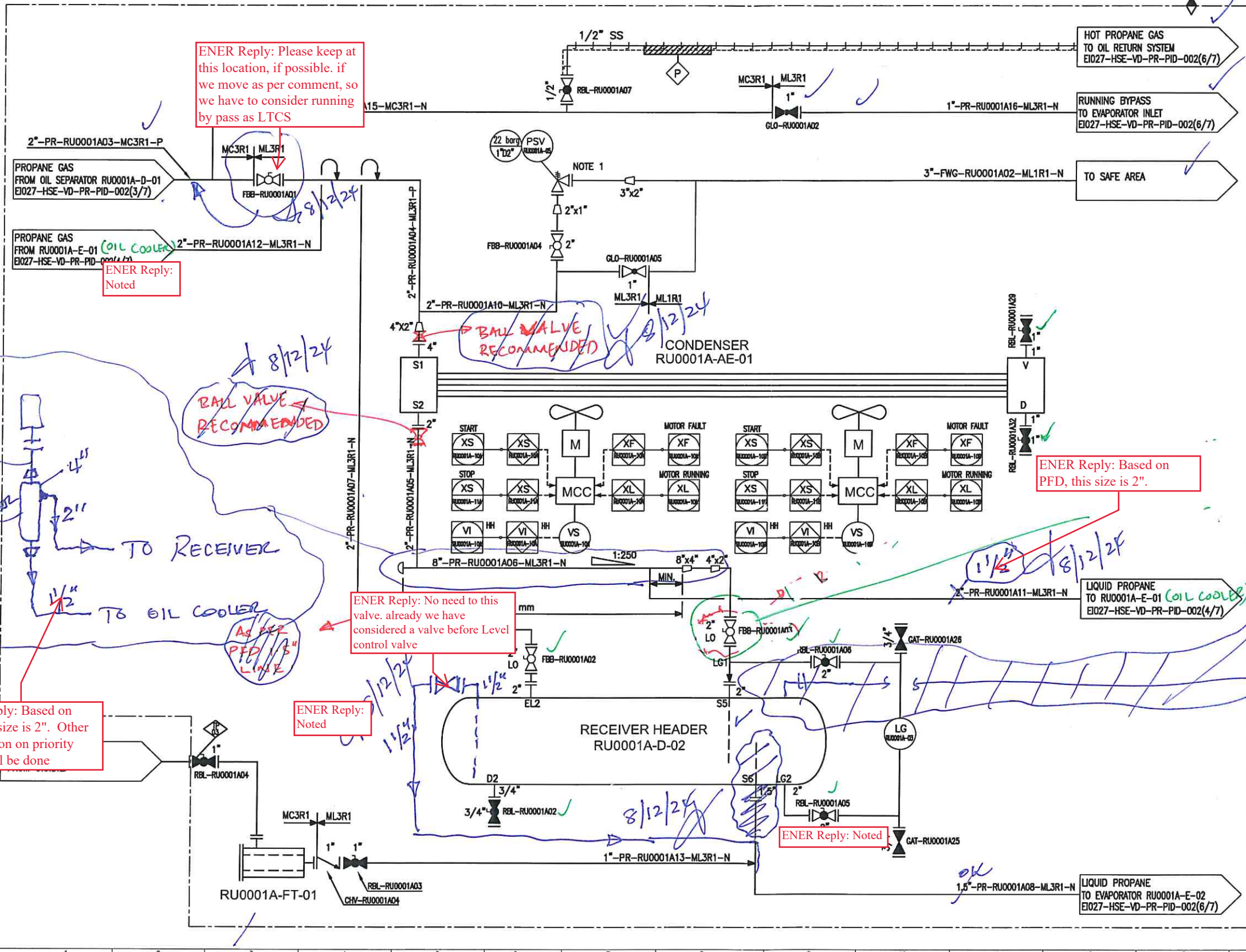
DRAWING NO.	REV.	SIZE	SCALE	SHEET
EI027-HSE-VD-PR-PID-002	00	A3	NTC	4 of 7

TAG NO.	RU0001A-E-01
SERVICE	CONDENSER
DESIGN PRESS. (BARG)	22.0+FV
DESIGN TEMP. (°C)	-45/120
DESIGN DUTY (kW)	257

TAG NO.	RU0001A-D-02
SERVICE	RECEIVER HEADER
DESIGN PRESS. (BARG)	22.0+FV
DESIGN TEMP. (°C)	-45/120
ID x L (mm)	335x5050

REFERENCE DRAWING	DWG NO.	REV.

NOTES:  
 1- SIZE OF PSV WILL BE FINALIZED ON NEXT STAGE.  
 2- MANUAL FAN PITCH HAS BEEN CONSIDERED FOR EACH FAN.  
 3- SET TEMPERATURE FOR ELECTRICAL INSULATIONS IS 30°C.



ENER Reply: Please keep at this location, if possible. if we move as per comment, so we have to consider running by pass as LTCS

ENER Reply: Noted

BALL VALVE RECOMMENDED

BALL VALVE RECOMMENDED

ENER Reply: Based on PFD, this size is 2".

ENER Reply: No need to this valve. already we have considered a valve before Level control valve

ENER Reply: Noted

ENER Reply: Based on PFD, this size is 2". Other modification on priority header will be done

ENER Reply: Noted

AG REED TO DELETE. IGNORE COMMENT NOZZLE ON RECEIVER WILL BE DELETED

EQUIPMENT LIST:			
KEY PLAN:			
ISSUED FOR APPROVAL (IFA)	A.K.	F.SI.	A.M.
REV. ISSUE DATE	DESCRIPTION	PREPARED	CHECKED APPROVED
CLIENT			
CONSULTING ENGINEER			
PROJECT:			
DRAWING TITLE:			
PROCESS & INSTRUMENTATION DIAGRAM (P&ID)-RU			
DRAWING NO.	REV. SIZE	SCALE	SHEET
EI027-HSE-VD-PR-PID-002	00 A3	NTC	5 of 7

TAG NO.	RU0001A-E-02
SERVICE	EVAPORATOR
DESIGN PRESS. (barg)	S: 22.0+ <i>FV</i> , T: 6.8+ <i>FV</i>
DESIGN TEMP. (°C)	S: -45/120, T: 85
DESIGN DUTY (kW)	166.6
SHELL ID x TUBE L (mm)	600-925 x 2300
TEMA TYPE	BKU

REFERENCE DRAWING	DWG NO.	REV.

- NOTES:
- TRAVEL DOWN BLOCK TO BE SET AND LOCKED AT MINIMUM OPENING DURING COMMISSIONING (2 ~ 6%).
  - SIZE OF PSV WILL BE FINALIZED ON NEXT STAGE.
  - AT STAND STILL CONDITION, VALVE NEEDS TO BE CLOSED COMPLETELY DURING START-UP VALVE TO BE OPENED SMOOTHLY.
  - SET TEMPERATURE FOR ELECTRICAL INSULATIONS IS 30°C.

ENER Reply: Noted

OK TO KEEP 8/12/24

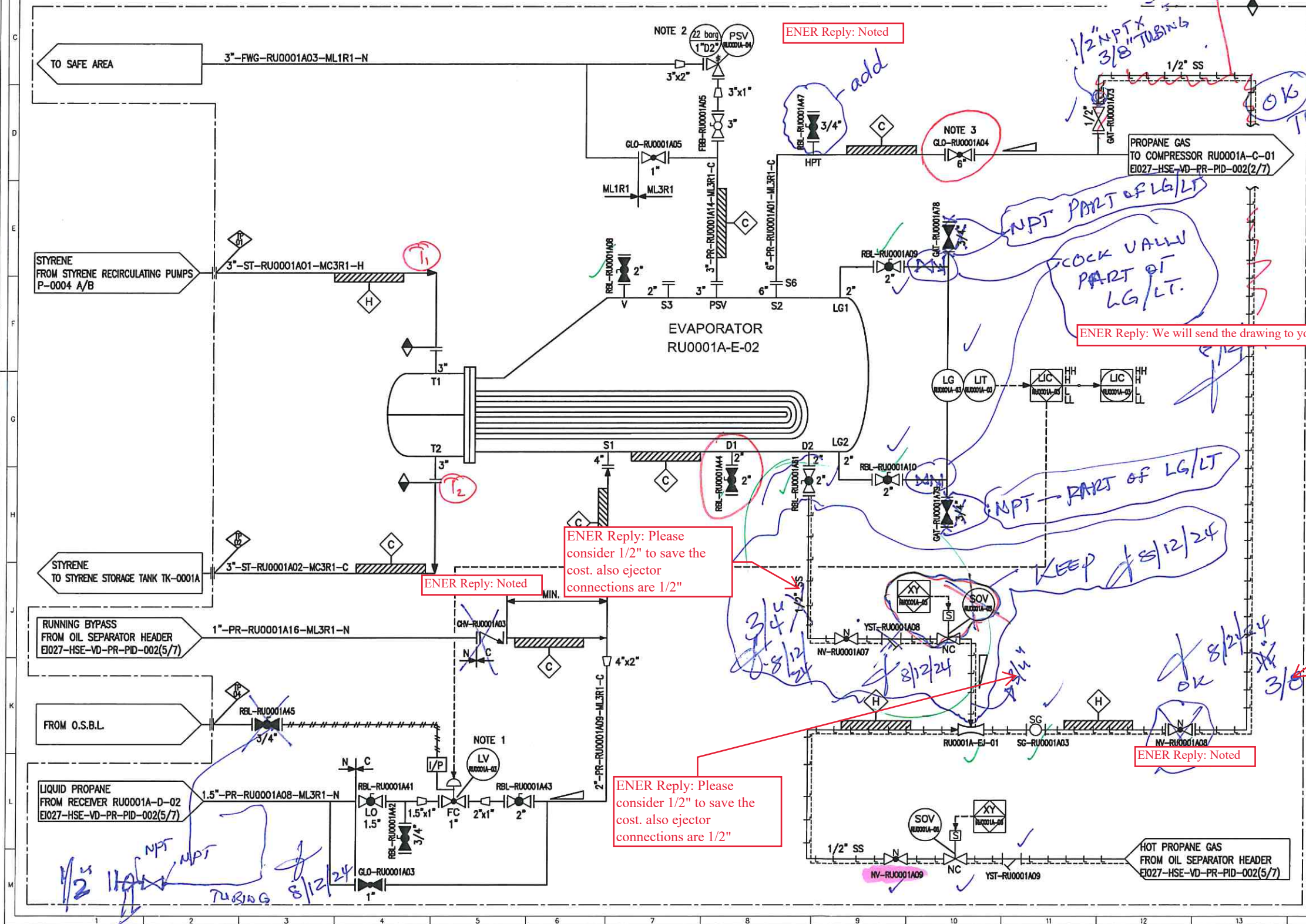
ENER Reply: We will send the drawing to you

ENER Reply: Please keep 1/2"

ENER Reply: Noted

ENER Reply: Please consider 1/2" to save the cost. also ejector connections are 1/2"

ENER Reply: Please consider 1/2" to save the cost. also ejector connections are 1/2"



HOLDE:

EQUIPMENT LIST:

REV.	ISSUE DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED
00		ISSUED FOR APPROVAL (IFA)	A.K.	F.S.H.	A.M.

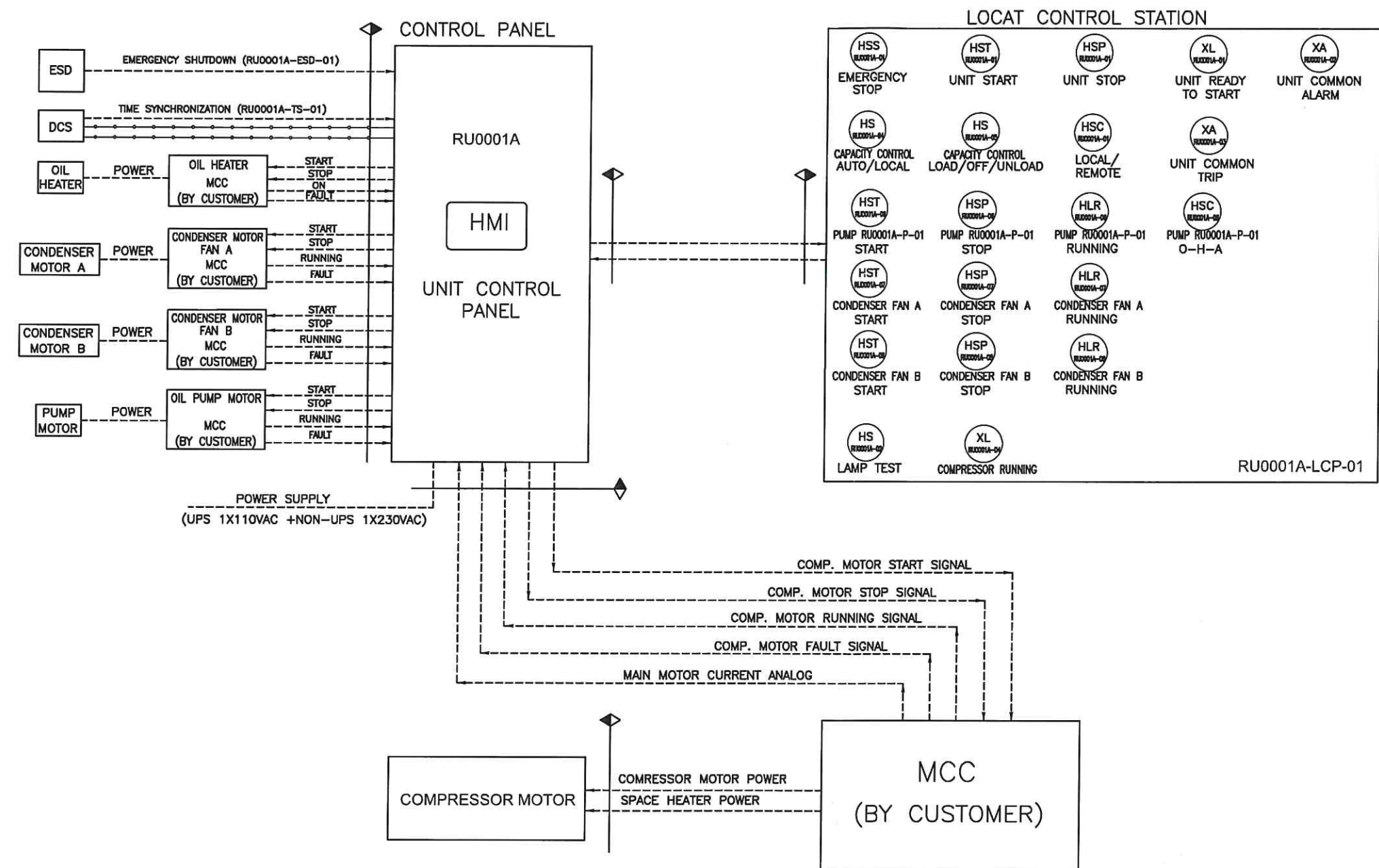
CLIENT

CONSULTING ENGINEER

PROJECT:

DRAWING TITLE:

DRAWING NO.	REV.	SIZE	SCALE	SHEET
EI027-HSE-VD-PR-PID-002	00	A3	NTC	6 of 7



CONNECTION LIST			
NO.	LOCATION	DESCRIPTION	SIZE
TP-01	PACKAGE	CHILLER INLET	3"-300 ANSI RF
TP-02	PACKAGE	CHILLER OUTLET	3"-300 ANSI RF
TP-03	PACKAGE	FILTER DRYER PROPYLENE INLET	1"-300
TP-04	PACKAGE	INSTRUMENT AIR SUPPLY	3/4"-150

REFERENCE DRAWING	DWG NO	REV
NOTES :		
HOLDE:		
EQUIPMENT LIST:		
KEY PLAN :		
00	ISSUED FOR APPROVAL (IFA)	A.K. F.S.H. A.M.
REV. ISSUE DATE	DESCRIPTION	PREPARED CHECKED APPROVED
CLIENT		
CONSULTING ENGINEER		
PROJECT:		
DRAWING TITLE: PROCESS & INSTRUMENTATION DIAGRAM (P&ID)-RU		
DRAWING NO.	REV. SIZE	SCALE SHEET
E1027-HSE-YD-PR-PID-002	00 A3	NTC 7 of 7