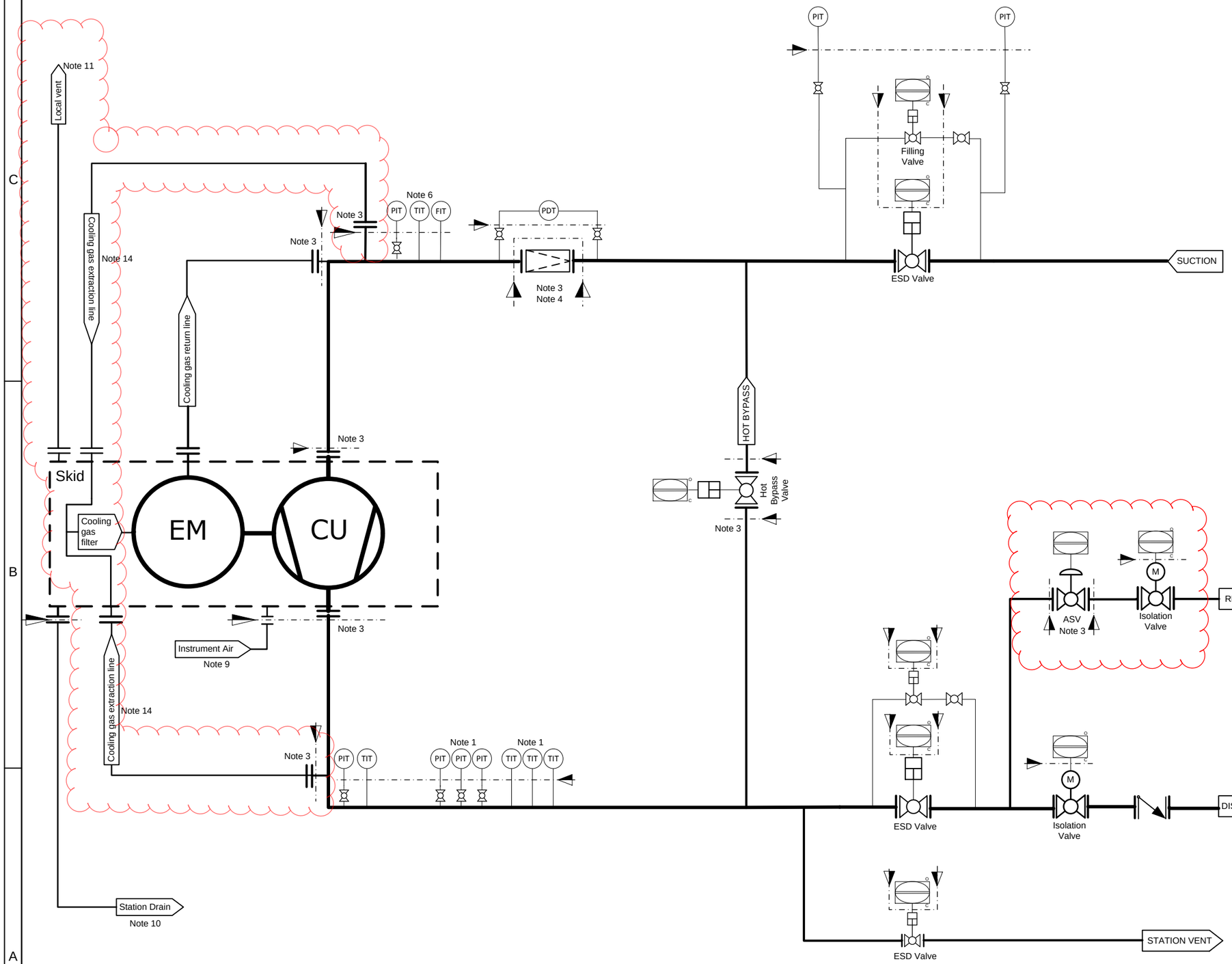

LEGEND:

- EMCS Supplier / Client — Battery Limits
- Hand operated valve
- Pneumatic operated valve
- Control valve
- Motor operated valve
- Check valve
- Strainer
- UCS Control
- Flanged connection

NOTES:

Note 1: Over pressure 2oo3 (ESD of EMCS)
Over temperature 2oo3 (ESD of EMCS)

Note 2: Instrumentation hook-ups and battery limits as per doc. C4G-J173-ILF-GENER-MAR-DIA-102; see “Instrument“ for the EMCS scope

Note 3: Counter flanges, bolts, washers, gaskets in the scope of the EMCS Supplier

Note 4: Pipe spooling for the compressor suction strainer in the scope of EMCS Supplier

Note 5: All instruments and actuators shown in this schematics are controlled by the UCS

Note 6: Flow measurement for surge protection; the location, type and requirements for connection to the process pipe shall be defined in the offer

Note 7: Electrical, I&C and telecom interfaces as per Annex 1 and Annex 1, Attachment 1.11

Note 8: Station process flow as per Annex 1, Attachment 1.14

Note 9: Instrument air supply parameters and quality as per Annex 1

Note 10: The EMCS Supplier shall include in the offer the requirements for connection to the station drain

Note 11: Design requirements for the local EMCS vents as per Annex 1; local EMCS vents in the scope of the EMCS Supplier

Note 12: Layout of station process piping as per Annex 1, Attachment 1.12

Note 13: The EMCS supplier shall confirm in the offer the requirements for the hot bypass valve

Note 14: The cooling gas extraction line from CU suction or discharge in scope of the EMCS Supplier

ABBREVIATIONS:

ASV	Anti-surge Valve
CU	Compressor Unit
EM	Electro Motor
EMCS	Electro Motor Compressor Set
ESD	Emergency Shut Down
FIT	Flow Indicator/Transmitter
I&C	Instrumentation and Controls
PIT	Pressure Indicator/Transmitter
PDT	Pressure Differential Transmitter
TIT	Temperature Indicatior/Transmitter
UCS	Unit Control System

REV.	DATE	ISSUE, SCOPE OF REVISION	PREPARED	CHECKED	APPROVED
003	16.11.2017	Update–Comments NET4GAS	Fanaca	Foltín	Schorling
002	01.08.2017	Update–Comments NET4GAS	Fanaca	Foltín	Schorling
001	20.07.2017	Update–Comments NET4GAS	Fanaca	Foltín	Schorling
000	18.05.2017	APP	Fanaca	Foltín	Schorling

NET4GAS

ILF CONSULTING ENGINEERS

PHASE:

PROJECT:
CAPACITY FOR GAS – C4G
Compressor Station Jirkov 73 bar

DRAWING TITLE:
Mechanical Interfaces for EMCS – Schematics
Annex 1, Attachment 1.10

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