

AE-2101A
 1ST STAGE GAS COMPRESSION AIR
 COOLER TRAIN #A
 DESIGN DUTY : 391.3 RW
 DESIGN PRESS : 22 barg
 DESIGN TEMP : 155 °C

NOTES

- 1- MANUAL LOUVER CONTROL.
- 2- HALF OF FANS SHALL BE EQUIPPED WITH VARIABLE PITCH AUTOMATIC SYSTEM TO CONTROL FLUID OUTLET TEMPERATURE.
- 3- TEMPERATURE TO BE ADJUSTED BY BLADE CONTROL SYSTEM.

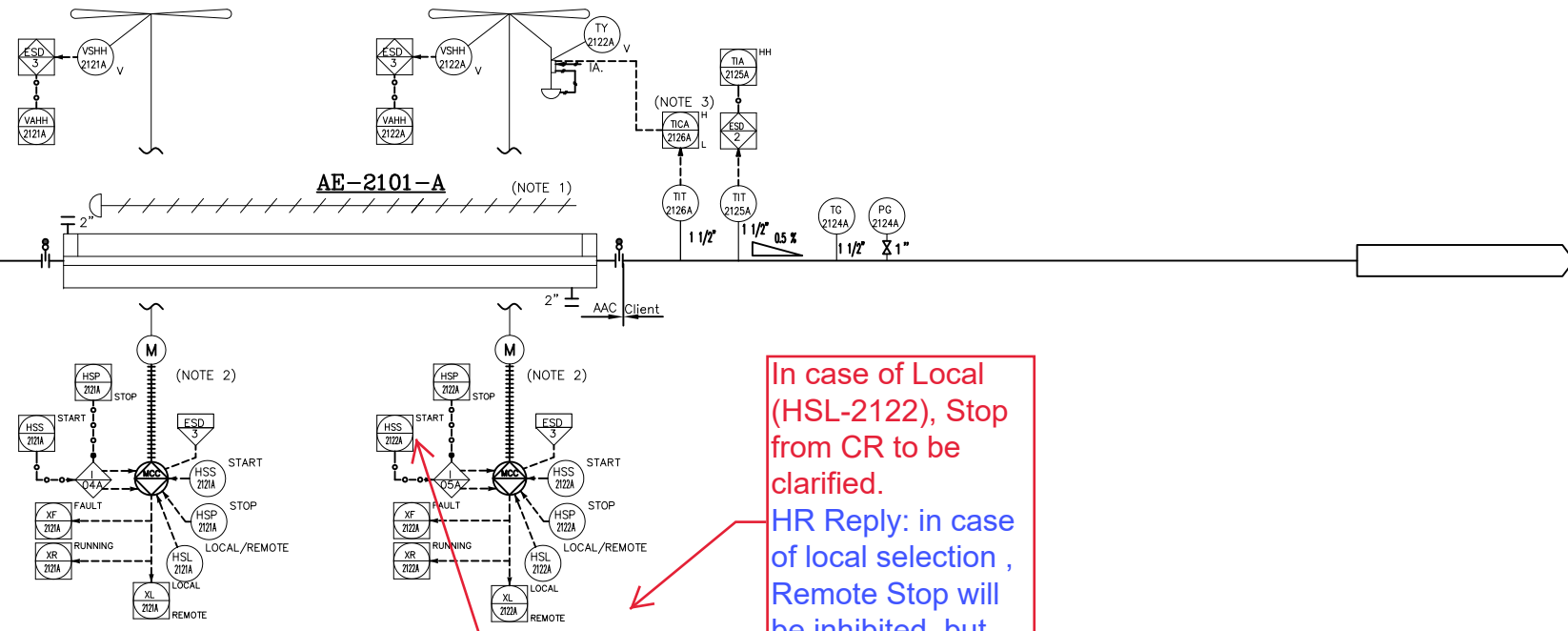
LEGEND

REFERENCE DRAWING	DRG. No.

KEY PLAN

Inlet / Outlet Line number shall be specified.
 H.R. shall be added as per project P&ID.

ACC. to Tube bundle drawing Doc and Datasheet, PI and TI shall be shown. Datasheet and Spare Parts for these Gauges shall be provided.
 HR Reply: Vendor to clarify. there are PG and TG out of cooler boundary . if additional PG and TG are required in tube bundle , these tags shall be added in vendor P&ID. otherwise discrepancy of documents shall be modified.



In case of Local (HSL-2122), Stop from CR to be clarified.
 HR Reply: in case of local selection , Remote Stop will be inhibited. but ESD is still alive.

Remote start condition to be clarified.
 HR Reply: Remote Start is activated by operator via DCS system.

REV.	DATE	DESCRIPTION	BY	DATE	BY	DATE

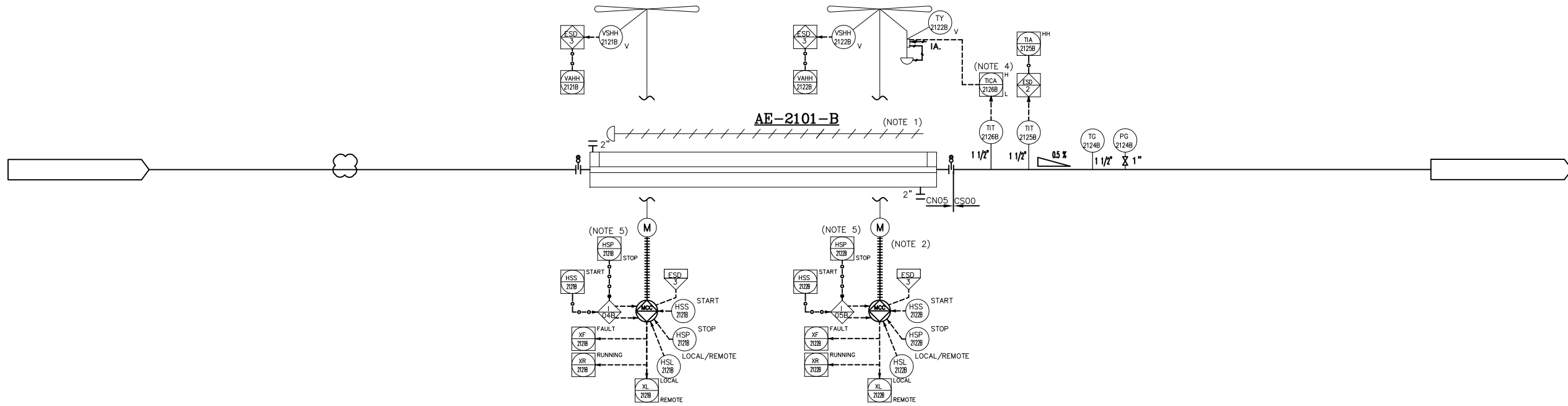
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION
 PROJECT NO.: 971020
 EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES
 EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY
 DRAWING TITLE: P&ID - 1st STAGE GAS COMPRESSION AIR COOLERS
 SCALE: NS SIZE: AS DRAWING NO.: BK-GCS-AA-120-PR-PI-0001 SHEET NO.: 1 OF 6 REV.: V00

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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VENDOR LOGO:
AAC
 Project No: 17208

AE-2101B
 1ST STAGE GAS COMPRESSION AIR
 COOLER TRAIN #B
 DESIGN DUTY : 391.3 kW
 DESIGN PRESS : 22 barg
 DESIGN TEMP : 155 °C



- NOTES**
- 1- MANUAL LOUVER CONTROL.
 - 2- HALF OF FANS SHALL BE EQUIPPED WITH VARIABLE PITCH AUTOMATIC SYSTEM TO CONTROL FLUID OUTLET TEMPERATURE.
 - 3- DELETED.
 - 4- TEMPERATURE TO BE ADJUSTED BY BLADE CONTROL SYSTEM.
 - 5- TO BE PROVIDED BY COOLER VENDOR.
 - 6- PARTIAL STROKE DEVICE TO BE CONSIDERED FOR ALL ESDV'S ACTIVATED BY ESD 1,0.

LEGEND

REFERENCE DRAWING	DRG. No.

KEY PLAN

REV.	DESCRIPTION	BY	DATE	BY	DATE

V00	AUG.2024	IFA	AC	M.FAKHARIAN	M.SADIGHIAN	
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION						
PROJECT NO.: 971020						
EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES			EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY			
DRAWING TITLE: P&ID - 1st STAGE GAS COMPRESSION AIR COOLERS						
SCALE	SIZE	DRAWING NO.		SHEET NO.	REV.	
NS	A3	BK-GCS-AA-120-PR-PI-0001		2 OF 6	V00	

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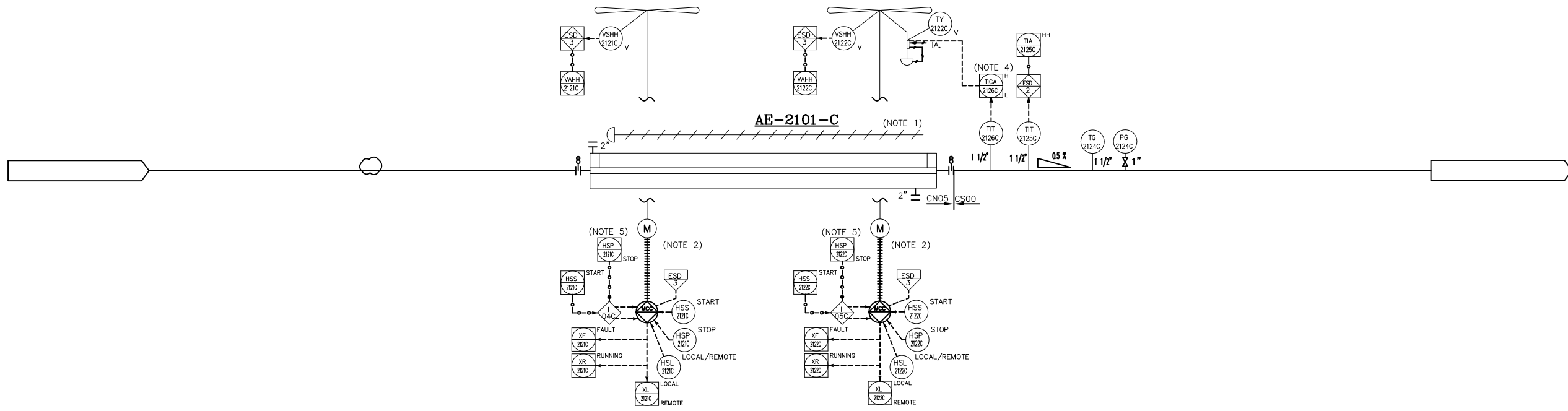
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APPROVED FOR CONSTRUCTION	BY:	DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
					2 OF 6	

VENDOR LOGO:
 AAC
 Project No: 17208

AE-2101C
 1ST STAGE GAS COMPRESSION AIR
 COOLER TRAIN #C
 DESIGN DUTY : 391.3 kW
 DESIGN PRESS. : 22 barg
 DESIGN TEMP. : 155 °C



- NOTES**
- 1- MANUAL LOUVER CONTROL.
 - 2- HALF OF FANS SHALL BE EQUIPPED WITH VARIABLE PITCH AUTOMATIC SYSTEM TO CONTROL FLUID OUTLET TEMPERATURE.
 - 3- DELETED.
 - 4- TEMPERATURE TO BE ADJUSTED BY BLADE CONTROL SYSTEM.
 - 5- TO BE PROVIDED BY COOLER VENDOR.
 - 6- PARTIAL STROKE DEVICE TO BE CONSIDERED FOR ALL ESDV'S ACTIVATED BY ESD 1,0.

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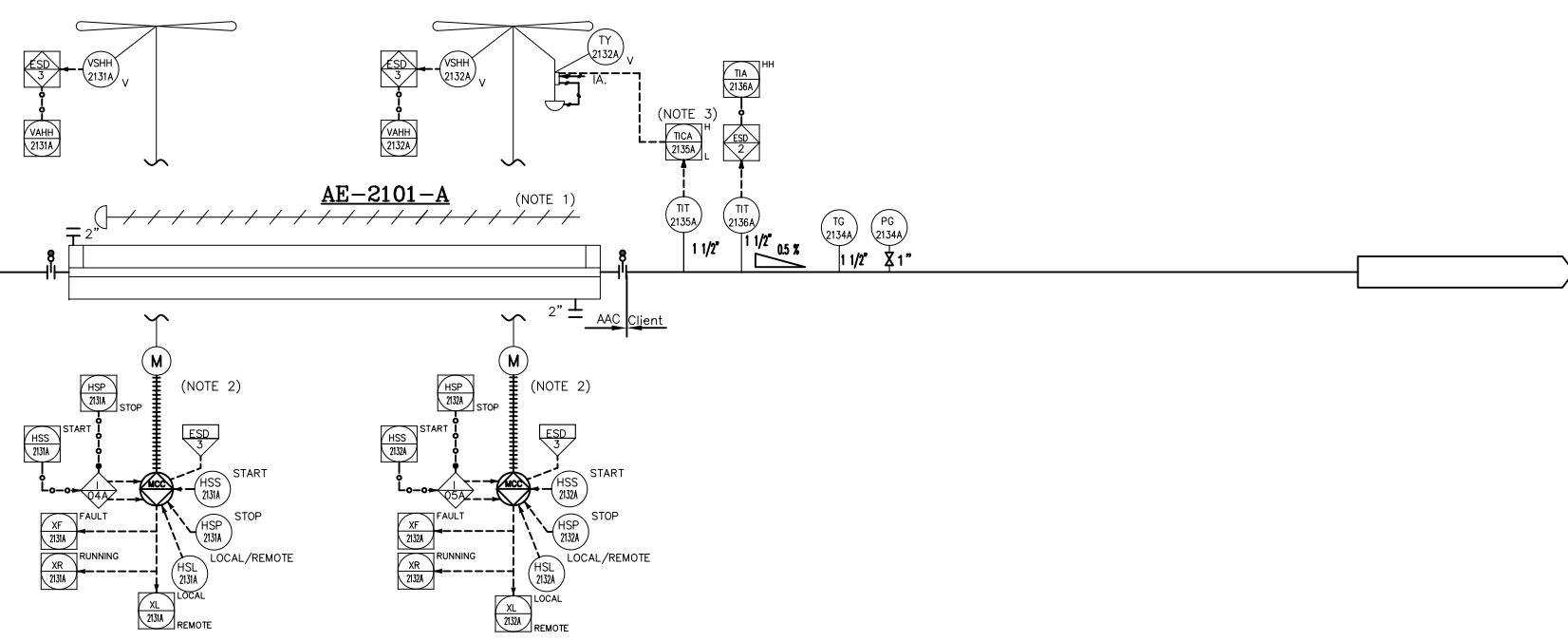
V00	AUG.2024	IFA	AC	M.FAKHARIAN	M.SADIGHIAN	
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION						
PROJECT NO.: 971020						
EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES			EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY			
DRAWING TITLE: P&ID - 1st STAGE GAS COMPRESSION AIR COOLERS						
SCALE	SIZE	DRAWING NO.		SHEET NO.	REV.	
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VENDOR LOGO:

 Project No: 17208

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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
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AE-2102A
 2ND STAGE GAS COMPRESSION AIR
 COOLER TRAIN #A
 DESIGN DUTY : 582 kW
 DESIGN PRESS. : 62 barg
 DESIGN TEMP. : 175 °C



NOTES

- 1- MANUAL LOUVER CONTROL.
- 2- HALF OF FANS SHALL BE EQUIPPED WITH VARIABLE PITCH AUTOMATIC SYSTEM TO CONTROL FLUID OUTLET TEMPERATURE.
- 3- TEMPERATURE TO BE ADJUSTED BY BLADE CONTROL SYSTEM.

LEGEND

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KEY PLAN

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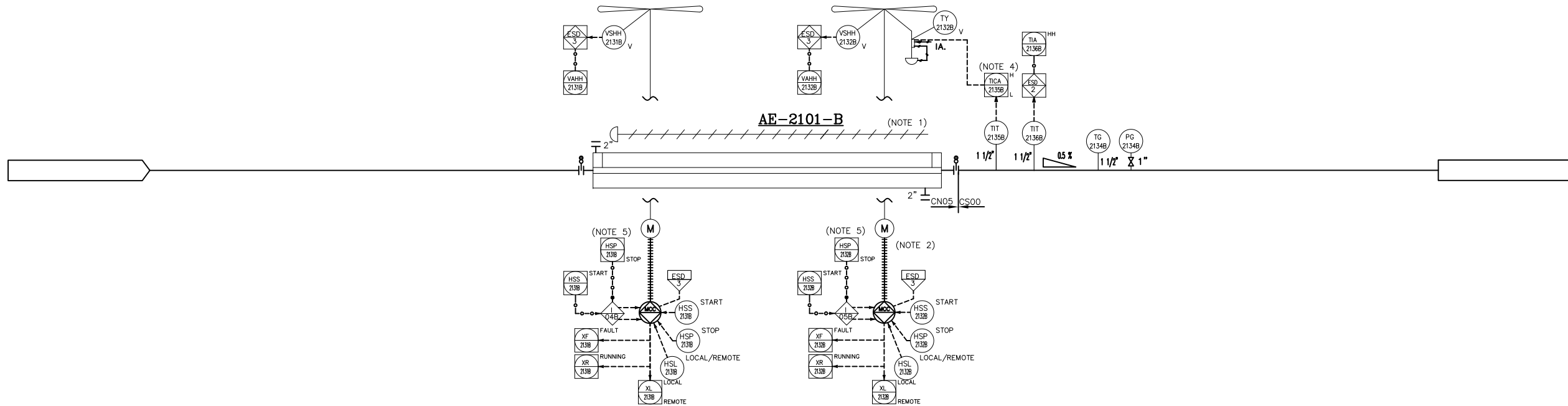
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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION						
PROJECT NO.: 971020						
EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES			EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY PEDCO			
DRAWING TITLE: P&ID - 1st STAGE GAS COMPRESSION AIR COOLERS						
SCALE	SIZE	DRAWING NO.		SHEET NO.	REV.	
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VENDOR LOGO:

 Project No: 17208

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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
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AE-2102B
2ND STAGE GAS COMPRESSION AIR
COOLER TRAIN #B
 DESIGN DUTY : 582 kW
 DESIGN PRESS. : 62 barg
 DESIGN TEMP. : 175 °C



- NOTES**
- 1- MANUAL LOUVER CONTROL.
 - 2- HALF OF FANS SHALL BE EQUIPPED WITH VARIABLE PITCH AUTOMATIC SYSTEM TO CONTROL FLUID OUTLET TEMPERATURE.
 - 3- DELETED.
 - 4- TEMPERATURE TO BE ADJUSTED BY BLADE CONTROL SYSTEM.
 - 5- TO BE PROVIDED BY COOLER VENDOR.
 - 6- PARTIAL STROKE DEVICE TO BE CONSIDERED FOR ALL ESDV'S ACTIVATED BY ESD 1,0.

LEGEND

REFERENCE DRAWING	DRG. No.

KEY PLAN

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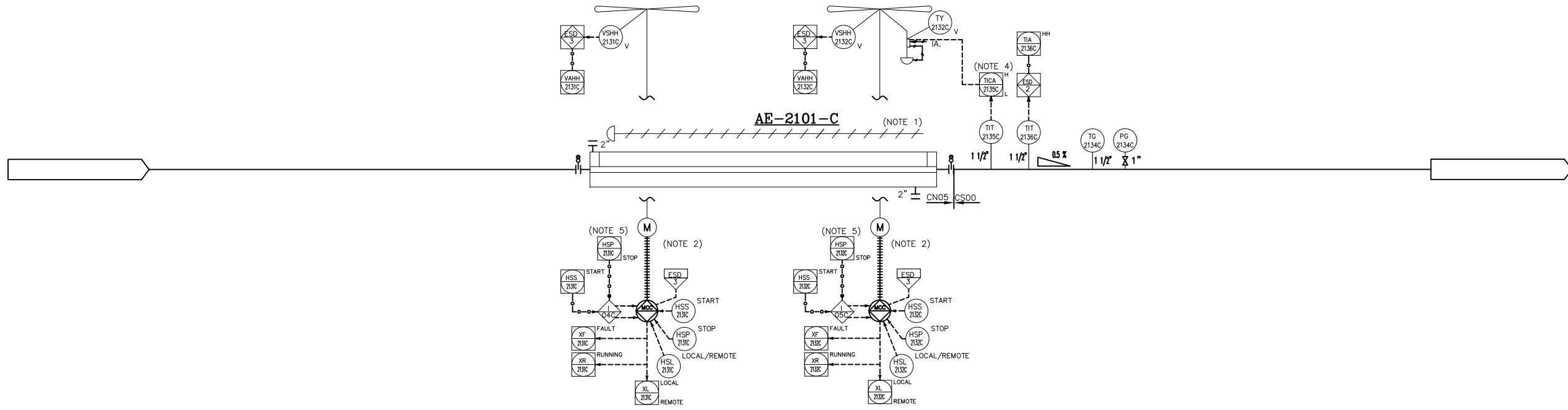
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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION						
PROJECT NO.: 971020						
EPC CONTRACTOR:			EPD/EPC CONTRACTOR (GC):			
HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES			PETROIRAN DEVELOPMENT COMPANY PEDCO			
BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION						
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.		
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED						
APPROVED FOR CONSTRUCTION			BY:		DATE:	
BUDGET REF.	LOCATION	SIZE CLASS	SERIAL NO.	SHEET NO.	REVISION	
NS	AS	BK-GCS-AA-120-PR-PI-0001	5 OF 6	V00	5 OF 6	

VENDOR LOGO:

 Project No: 17208

AE-2102C
 2ND STAGE GAS COMPRESSION AIR
 COOLER TRAIN #C
 DESIGN DUTY : 582 kW
 DESIGN PRESS. : 62 barg
 DESIGN TEMP. : 175 °C



- NOTES**
- 1- MANUAL LOUVER CONTROL.
 - 2- HALF OF FANS SHALL BE EQUIPPED WITH VARIABLE PITCH AUTOMATIC SYSTEM TO CONTROL FLUID OUTLET TEMPERATURE.
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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: P&ID - 1st STAGE GAS COMPRESSION AIR COOLERS

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