

Drawing No
Drawing Title
Date
Originator
Checker
Responsible for Project

To check	Originator	Checker	N/A
Drawing entry: <small>Conform with TCO standard A-ST-2001</small>			
Project title			
Project number			
Plant, Area, Unit Identification			
Drawing number			
Drawing title			
Scale			
Scale bar			
Company's logo			
Key Plan			
General notes <small>(all notes collected in columns and located inside of appropriate notes frame of approved client ISO template, the note frame can be increased if required)</small>			
Reference drawings			
Revision			
Electronic format of drawing: <small>Conform with TCO standard A-ST-2001</small>			
Fonts			
Layers			
Line types			
Dimension type			
Symbols			
Drawing layout: <small>Conform with Piping General arrangement, P&ID, Client standard req's</small>			
Isometric layout (check that isometric contains only one line number)			
Location to grid / equipment / rack			
Field weld location			
Valves and hand wheels orientation			
Structural penetrations			
Pipe Supports			
Hydrotest drain / vents (threaded connection seal weld)			
Dimensions incl. "cut to fit" (not to dimension from the end of spools with "cut to fit" length)			
Coordinates (referenced at North / East)			
Elevations (piping / equipment)			
Distances (from / to)			
Existing line			
Special assemblies			
Orifice tap orientation			

Drawing Lettering / Legends :*Conform with PGA, P&ID, civil/structural drawings*

North arrow orientation

Line continuation

Equipment tag No's

Valve Tag No's

Electrical/Instrument Tag No's

Support Tag No's

Line No's

Fitting's identification

Spool No's (numbers to across 2 or more drawings for one line)

Slope identification

Flow direction

Tie-in points indicated

Insulation and HT identification

Spec / Insulation / Assembly / etc. breaks

Site run or Site supports require to be identified

Holds are properly indicated

Continuation and referenced drawings are indicated

Golden weld (check with NDT per cent and include notes)

Materials other than carbon steel stamp added

MTO:*Conform with item description*

Shop material order:

- Pipe
- Fittings
- Flanges
- Piping specials

Field material order:

- Valves
- Flanges
- Stud bolts (check with length)
- Gaskets (check with size, rate, type)
- Piping specials
- Instruments (referenced "BY INSTS")
- Pipe supports

Position, size, quantity, and description

On consequent revisions after first issue, we do not renumber the items,
i.e. do not rearrange the item numbering, as this leads to problems with
material traceability

Line data *(Checker Only):*


Line spec <i>(ref.to P&ID & Line list)</i>	Insulation <i>(Thickness, HT temp, ref.to N-ST-2001)</i>	Hydrotest <i>(ref. to L-ST-2007 or X-000-L-PRO-0001)</i>	Painting/Coating <i>(ref.to Line list)</i>
Design Pressure <i>(ref.to Line list)</i>	Operating pressure <i>(ref.to Line list)</i>	NDT <i>(type & per cent as per W-ST-2000 / 2011 / 2025)</i>	Hardness test <i>(as per W-ST-2000 / 2011 / 2025)</i>
Design Temperature <i>(ref.to Line list)</i>	Operating temperature <i>(ref.to Line list)</i>	Stress Relief <i>(type & per cent as per W-ST-2000 / 2011 / 2025)</i>	WPS# <i>(compliance W-ST-XXXX with the pipe system code)</i>

*Warning: If there is a line spec break, use separate table***Translation**

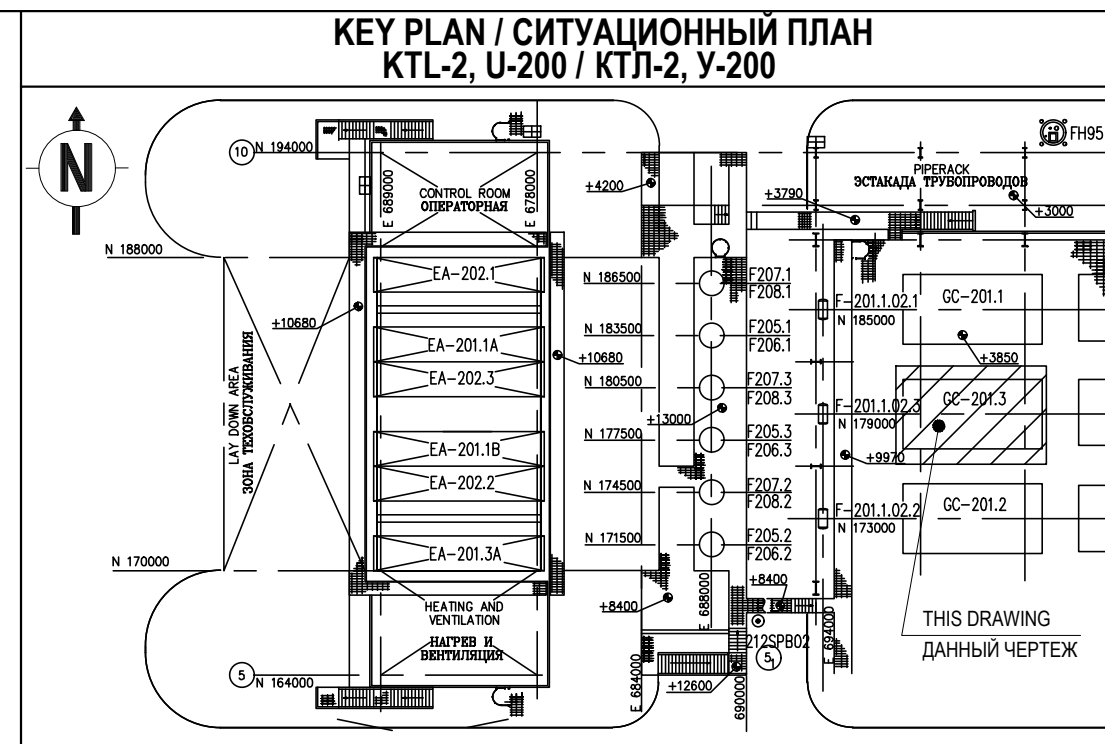


NOTES / ПРИМЕЧАНИЯ

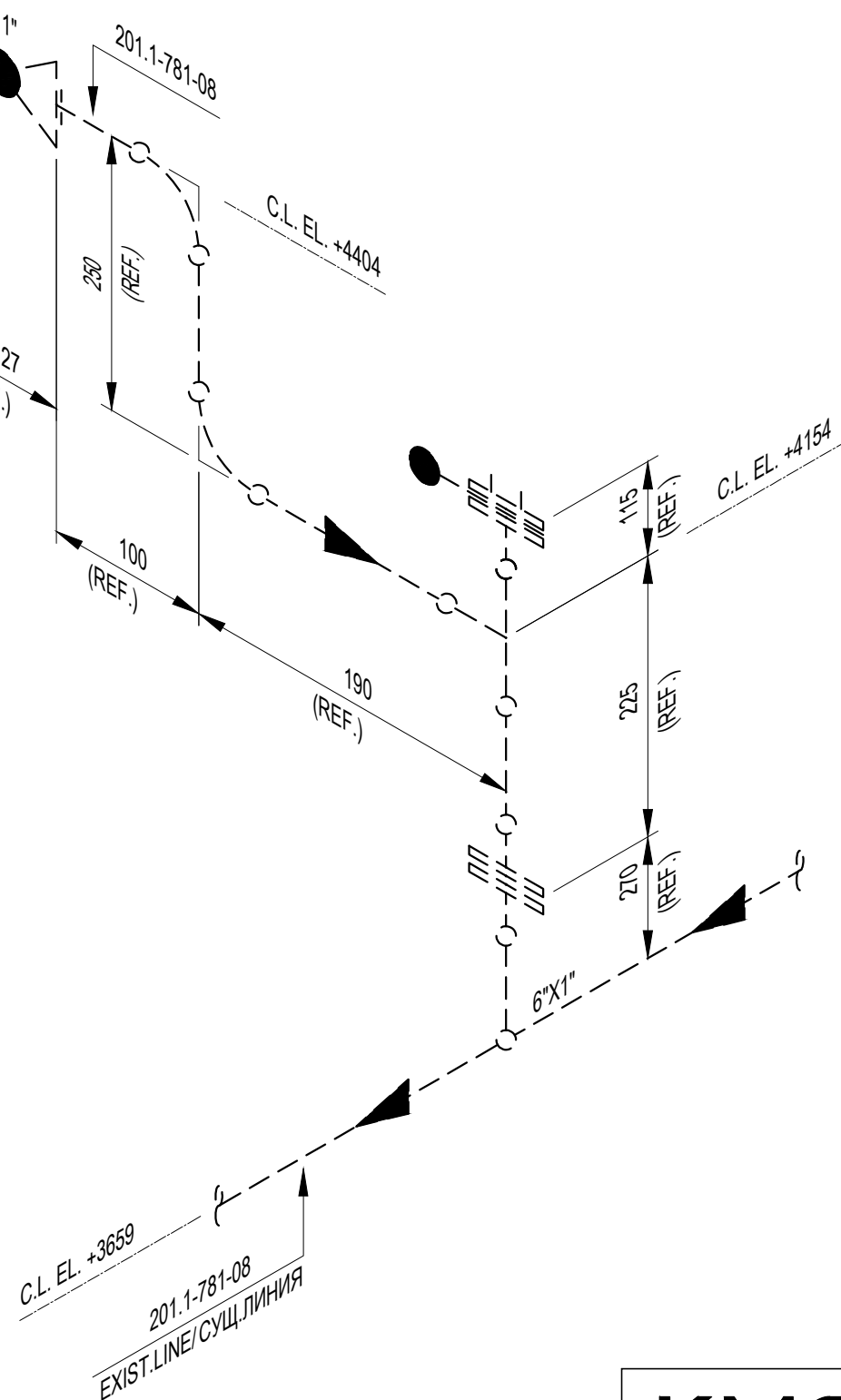
1. PID DRG No 2-200-051-220127D, 2-200-051-220127.
СХЕМА ТРУБОПРОВОДОВ И КИП 2-200-051-220127D, 2-200-051-220127.
2. PIPING GENERAL ARRANGEMENT 020-0200-LLL-GAD-XXXXX-01,
020-0200-LLL-GAD-XXXXX-04.
ОБЩЕЕ УСТРОЙСТВО ТРУБОПРОВОДОВ 020-0200-LLL-GAD-XXXXX-01,
020-0200-LLL-GAD-XXXXX-04.
3. CONTRACTOR TO VERIFY ALL DIMENSIONS AND TIE-IN LOCATIONS
PRIOR TO FABRICATION.
ПЕРЕД ИЗГОТОВЛЕНИЕМ ПОДРЯДЧИК ПРОВЕРЯЕТ ВСЕ РАЗМЕРЫ
И РАСПОЛОЖЕНИЕ ТОЧЕК ВРЕЗОК.

4. TCO WPS INDICATED FOR REFERENCE ONLY. CONTRACTOR SHOULD USE OWN TCO APPROVED WPS.
СВАРОЧНАЯ ПРОЦЕДУРА ТШО УКАЗАНА ТОЛЬКО ДЛЯ СПРАВКИ. ПОДРЯДЧИК ДОЛЖЕН ИСПОЛЬЗОВАТЬ СВОЮ СВАРОЧНУЮ ПРОЦЕДУРУ, УТВЕРЖДЕННУЮ ТШО.
5.  DESTROY AREA
ОБЛАСТЬ ДЕМОНТАЖА

LINE SPEC. СПЕЦИФИКАЦИЯ ЛИНИИ	INSULATION / ИЗОЛЯЦИЯ	HYDROTEST ГИДРОИСПЫТАНИЕ	PAINTING / COATING ПОКРАСКА / ПОКРЫТИЕ
150P21	N/A	55.5 barg	N/A
DESIGN PRESSURE РАСЧЕТНОЕ ДАВЛЕНИЕ	OPERATING PRESSURE РАБОЧЕЕ ДАВЛЕНИЕ	NDT/ НЕРАЗРУШ. ИСП.	HARDNESS TEST ИСПЫТАНИЕ НА ТВЕРДОСТЬ
37 barg	11 barg	RT 5%	N/A
DESIGN TEMPERATURE РАСЧЕТНАЯ ТЕМПЕРАТУРА	OPERATING TEMPERATURE РАБОЧАЯ ТЕМПЕРАТУРА	STRESS RELIEF СНЯТИЕ НАПРЯЖЕНИЙ	WPS# / СВАРОЧНАЯ ПРОЦЕДУРА
100°C	60°C	N/A	25A5



ИЗОМЕТРИЯ ДЕМОНТАЖА



KMGP

ITEM	QTY	NOM. DIA.	DESCRIPTION				
			SHOP MATERIAL				
1	0.9M	1"	PIPE SCH 80S SMLS SS A312 TP316/316L PE				
2	1	1/2"	ELL 90 DEG LR SCH 80S SS A403 WP316/316L-S				
3	2	1"	ELL 90 DEG LR SCH 80S SS A403 WP316/316L-S				
4	0.3M	1/2"	NIPPLE PBE CUT FROM PIPE				
5							
6							
7							
8							
9							
10							
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21							
22							
23							
24							
			FIELD MATERIALS				
25							
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34							
35							
36							
37							
38							
39							
			PIPE SUPPORT				
40							
41							
42							
43							
44							
K01	XX/XX/22	TCO REVIEW			KRM	KAV	APL
REV	DATE	REVISION			BY	CHK	ENG



ТЕҢІЗШЕВРОЙЛ
TENGIZCHEVROIL

TITLE

MODIFY SMALL BORE PIPING AT GC201.3
PIPING ISOMETRIC
201.1-781-08

**МОДИФ-ТЬ ТРУБЫ МАЛОГО ДИАМЕТРА GC201.3
ИЗОМЕТРИЯ ТРУБОПРОВОДА
201.1-781-08**

FE-22-0127

K01

DRAWING No.

020-0200-LLL-ISO-XXXXX-20

SCALE: N.T.S

DATE: 19/09/22