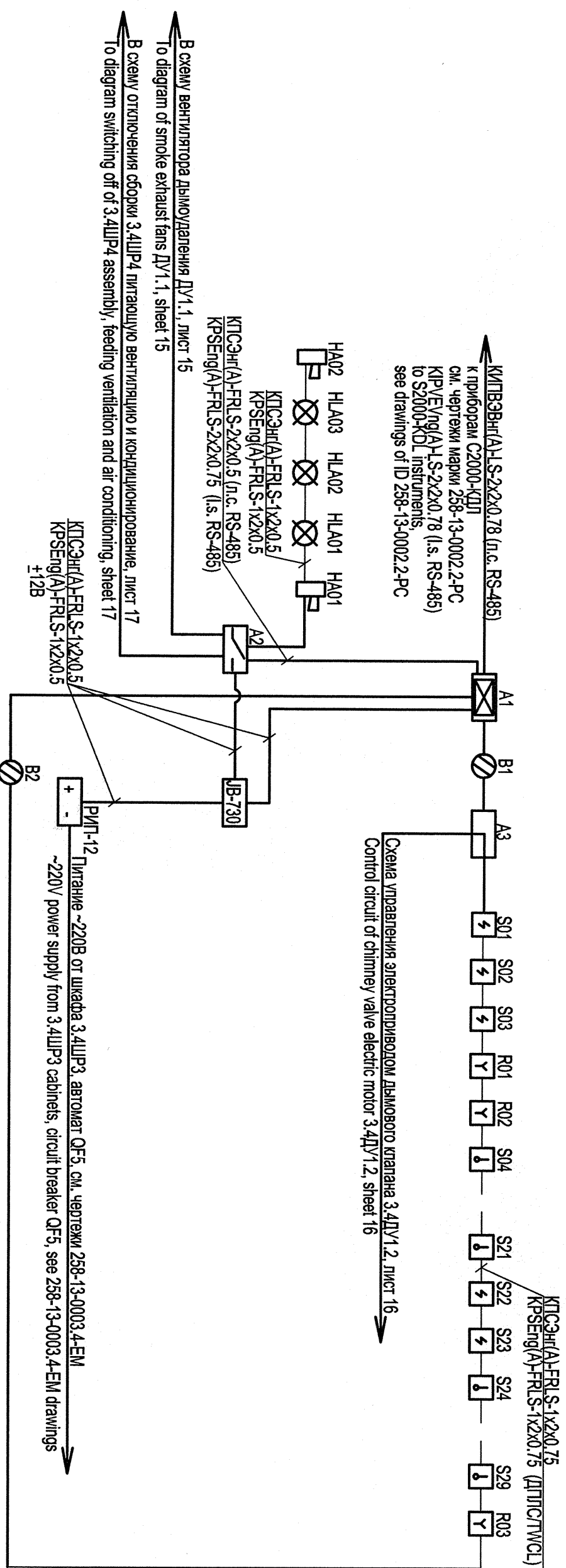


### ПРИНЦИПИАЛЬНАЯ СХЕМА СЕТЕЙ ПОЖАРНОЙ СИГНАЛИЗАЦИИ И ОПОВЕЩЕНИЯ ПРИ ПОЖАРЕ

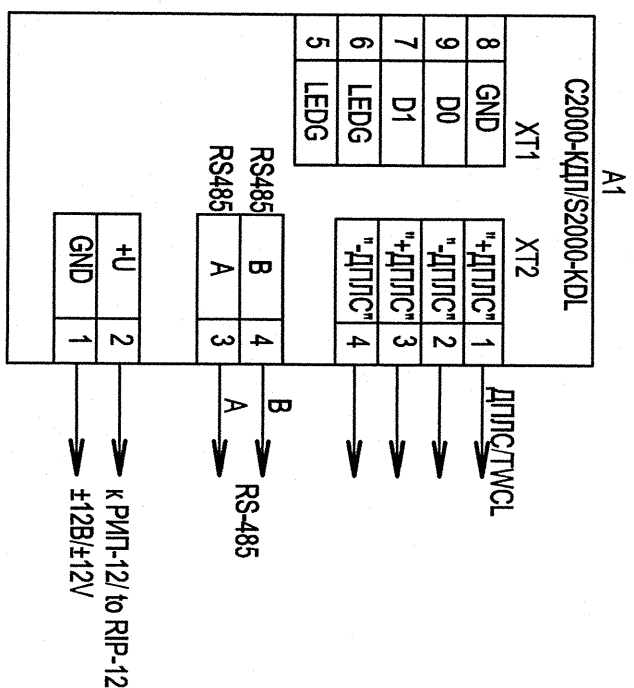
#### SCHEMATIC DIAGRAM OF THE FIRE ALARM AND FIRE ANNUNCIATION NETWORKS



УСЛОВНЫЕ ОБОЗНАЧЕНИЯ  
LEGEND

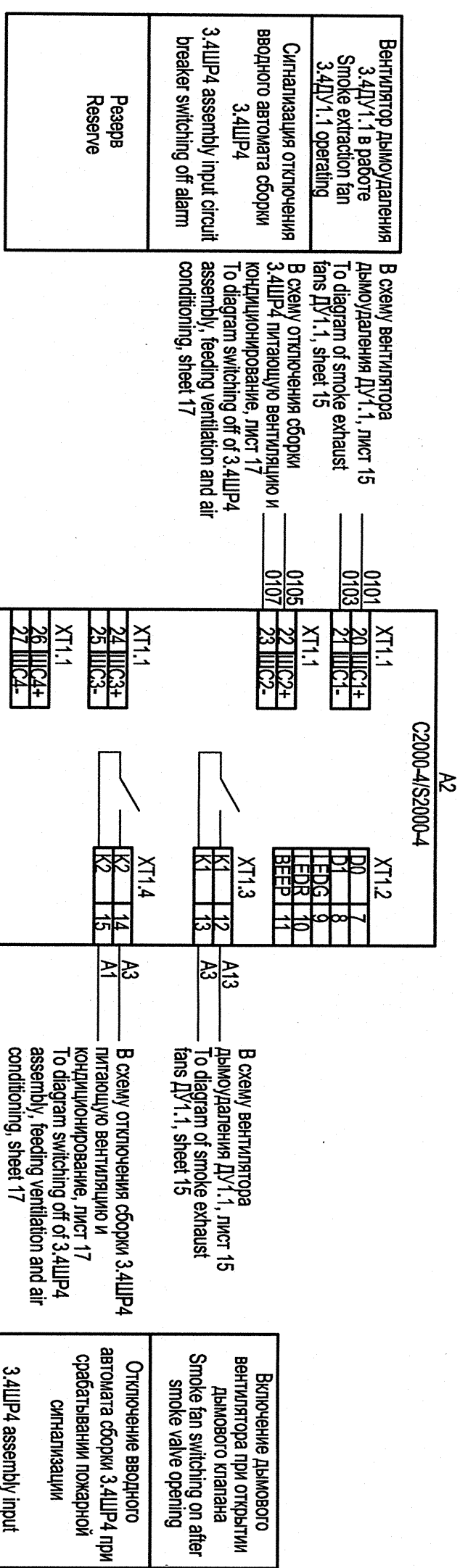
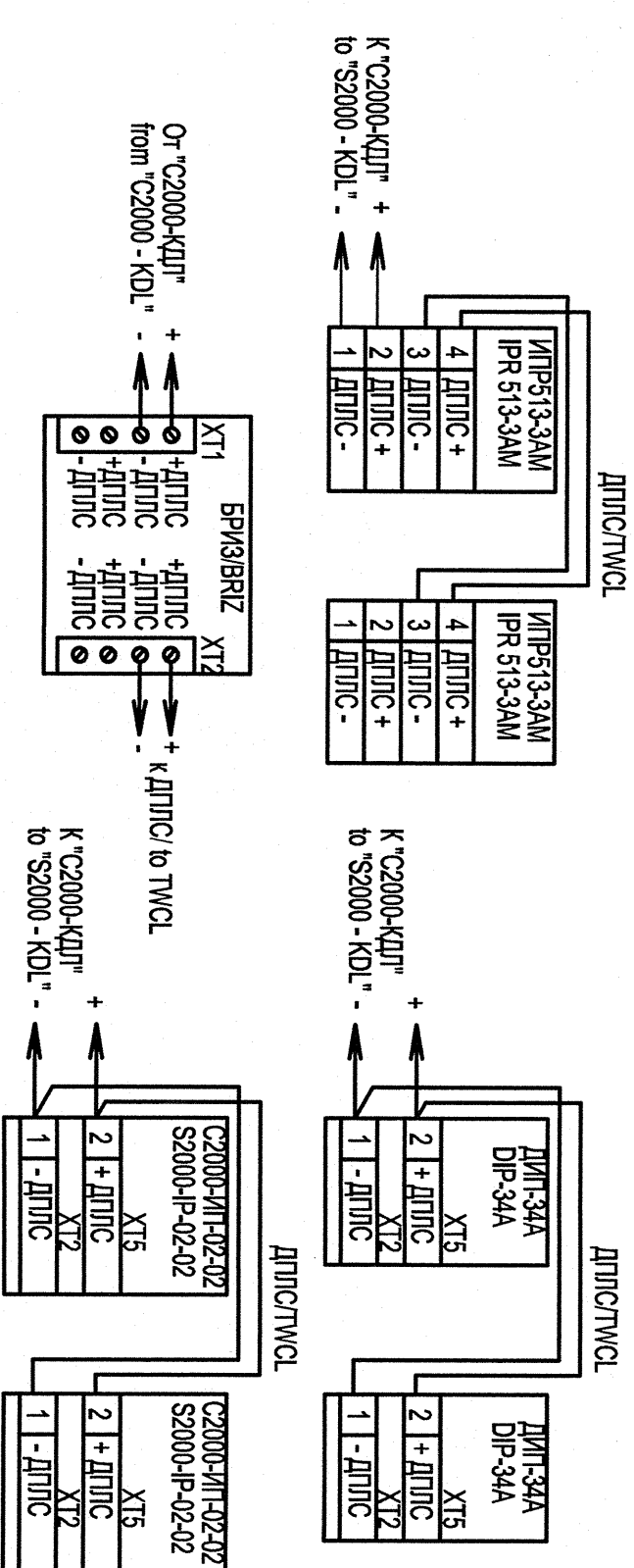
Обозначение Designation	Наименование Name
	Компьютер дуплексированной линии связи SZ000-KD1 Computer of double communication line the SZ000-KD1
	Дублирующее устройство оптического сигнала SZ000-4 Double alarm optical signal and the SZ000-4
	Распределительный источник питания РИП-12, макс. 01 Redistributive power supply, RIP-12, max. 01
	Блок оптического сигнала SZ000-SH12Z0 Signal and start up unit SZ000-SH12Z0
	Указатель (подсветки) лазерной оптической адресно-сигнальной ДПЛ-34А-01-02 On-demand address signaling the laser signaling device DP-34A-01-02
	Указатель (подсветки) тепловой SZ000-AT12-02 The addressable heat detector SZ000-AT12-02
	Указатель (подсветки) ручной адресный ИР 315-34М исп. 1 Hand address fire signaling device IR 315-34M, vers. 1
	Оповещатель пожарный светозвуковой Близко-3-12 Fire alarm light and sound device Bлизко-3-12
	Оповещатель микродиффузный МАМК-12-К Combined microdiffusion MAUK-12-K
	Блок распределительно-адресирующий БРДЗ Distributing and addressing unit BRDZ
	Преампифицирующая коробка БР-730 Pre-amplified box BR-730

# ПРИНЦИПАЛЬНЫЕ СХЕМЫ ВНЕШНИХ ПОДКЛЮЧЕНИЙ ПРИБОРОВ



### ПРИНЦИПИАЛЬНАЯ СХЕМА ВКЛЮЧЕНИЯ АДРЕСНЫХ ИЗВЕЩАТЕЛЕЙ В ДПДС


### SCHEMATIC DIAGRAM OF ADDRESS SIGNALING DEVICES SWITCHIN ON IN DPDS



Включение дымового вентилятора при открытии дымового клапана Smoke fan switching on after smoke valve opening	Отключение вдувного вентилятора 3, 4ДПР при срабатывании пожарной сигнализации	3, 4ДПР 4 assembly input breaker switching off circuit after fire alarm activation	Управление световыми и звуковыми оповещателями Control of light and sound alarndicators	Резерв Reserve
--	--	--	---	----------------

Orig. arch. Nr.	Date	Replace arch. Nr.
15-353	02.2015	

Rev	Qty	Sheet	Doc No	Date
B01	-	-	-	-
M3M	Mont. yz	LMCT	N dok.	Data

<div>Данный чертеж не подлежит размещению или передаче другим организациям и лицам без согласия АО "ННАОГ"</div> <div>This drawing shall not be fully or partially reprinted, copied and distributed without permission of JSC "NNAEP"</div>		258-13-0003.4-PS	
АЭС "УЛИТИН" СГРОВОИЛЬНО-МОНТАЖНАЯ БАЗА РООПРП. НРР CONSTRUCTION AND ERECTION BASE		Магистраль по ремонту техники Equipment repair workshop	
Помещение для складского хранения и монтажа Storage design of fire alarm and fire protection networks		Страна Phase	Лист Sheet
		W	2
			-
 JSC "Institute 'Ogneznosty'"			

АРХИВНЫЙ ЭКЗ.  
Инд. № 58 53640

[illegible]

the alarm.

11. According to the requirements of SP 5, 13330.2019 pt.1, the equipment repair workshop is to be equipped with automatic alarm.

For arranging automatic fire alarm in the designed equipment repair workshop, the following address instruments and signal devices from the "Open" system of "Bolid" co.:

- controller of two-wire communication lines S2000-K01;
- device alarm control security and fire S2000-K4;
- signal and starting address unit S2000-SP4/20P;
- the smoke optoelectronic addressing-signal devices DP-344-01-02;
- hand the address control signal devices PP 513-3AM;
- the heat detectors S2000-PD-02;
- tapping and isolating unit BRZ.

12. Address fire smoke signal devices DP-344-01-02

Address hand the signal devices PP 515-CA, the heat detectors S2000-PD-02-02, signal and starting address unit S2000-SP4/20P are included into controller S2000-K01-01 in a (TNCS) low-voltage communication line ("ring" topology).

13. For switching-off ventilation and air conditioning systems during fire, (early) contents of S2000-K4 instrument, shall be used.

14. The premise equipment repair workshop shall be equipped with the annunciation devices of 1 type. For fire annunciating people, sound annunciation devices, fire alarm and light annunciation. Blik-324 and Blik-324 ("Fire" panel) shall be used.

15. For the annunciating networks, a fire-poor cable PRSEdEgA-FRLS-K120-05 shall be applied.

16. On the annunciating line with RS-485 interface, the S2000-K01 controller shall be integrated into monitoring and control desk (MCD) S2000M. When parallel cabling, distance between annunciation cable, fire alarm and lighting and power cables shall be no less than 0,5 m.

17. For the TNCS line a fire-poor cable PRSEdEgA-FRLS-K120-05 shall be applied. Power supply lines of 4x12 apply a screened fireproof cable PRSEdEgA-FRLS-K120-05.

18. For equipment power supply with U<sub>0</sub>=12 V, a backup power supply "RIP-12" vers.Us with 7Ah storage battery shall be applied. Storage power supply devices ensure the equipment operation during no less than 24 hours in the duty mode and 3 hours in the "Fire" mode after switching-off the main power supply.

Grounding - 220V feeding of power supply "RIP-12" vers. U<sub>0</sub> is provided by electrical design, see 238-13-003-4EN "

swings.