

Safety monitoring the progress of construction of
production facilities
«Severstal», corp.

Characteristics of the facility construction

The project includes:

1. Demolition of the existing building emergency electrostatic precipitator.
2. Construction of foundations for equipment, new building and supporting metal.
3. Installation of steel building new gas treatment and supports.
4. Installation of flues.
5. Installation of equipment (conveyors, cyclone filter, smoke exhausts, valves, etc.).
6. Civil works (laying of utilities, interiors, landscaping, etc.).
7. Commissioning.

Occupational hazards in the production of construction

- A moving machinery.
- A moving car and railway transport.
- Work at height.
- Work in confined spaces.
- Pipelines steam, gas and water.
- Vessels working under pressure.

Production design work includes:

- installation of two cranes;
- installation of protective enclosures; warning signs and labels;
- arrangements for working at height;
- measures to protect existing communications;
- other information regarding safe work.

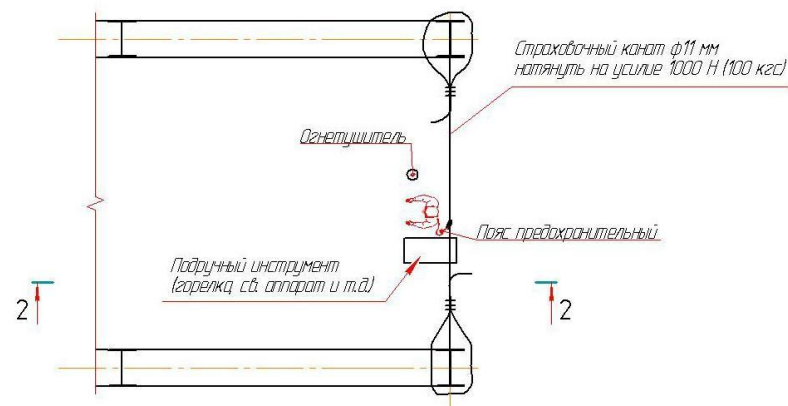
Work at height

Actually



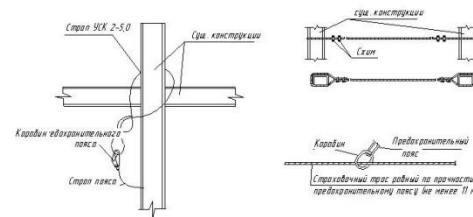
Provided by the project

Рабочее место монтажника

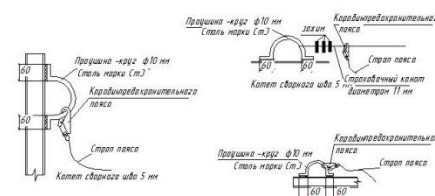


Способы крепления предохранительного пояса

Крепление пояса за существующие ж/б и металлические конструкции колонн и ферм



Крепление пояса к металлоконструкциям при помощи приваренных проушин



1. Work at height should be performed by the permit to conduct hazardous work
2. Safety belts should be tested and have the appropriate tags.

Welding

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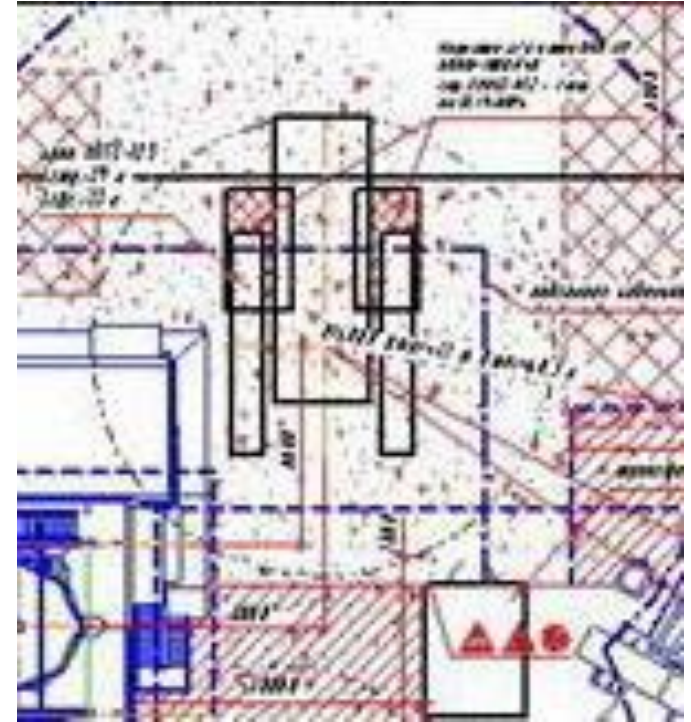
1. In the area of production of welding must be the primary means of fire.
2. Production welding zone should be cleared of flammable materials.
4. Workplace welder must be safeguarded shields or screens.
5. When work is to be used certified welding, certified welding equipment and materials.

Installation of a crane

Actually



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1. Under the crane should be rigid base (tamped down, slag cushion).
2. In the location of underground cable must be laid concrete slabs.

Fire shield

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Fire shield should include:
fire extinguisher, water containers and
sand, asbestos cloth, gaff, shovel,
tapered bucket.

The organization of safe passage

Actually



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1. Passage of personnel operating organization next to manufacture construction should be organized with the help of enclosed pedestrian crossings.
2. Go through the trench should be organized with the help of bridges with railings.

Fencing open apertures



Upcoming openings (pits, trenches and so on.) must be closed on all sides with guards or alarm ribbons.

Conclusion of the work

In carrying out the construction site security monitoring revealed that Labour Organization meets the requirements safe production of construction - installation works , but there are violations of the occupational health and industrial safety.

Recommended:

- Restore and equip a fire shield .
- Store materials and construction in accordance with the schemes warehousing.
- Strengthen the enforcement of regulatory requirements in the production of construction works



Thank you for your attention!