

Reconstruction of the chip treatment plant in Sandebeck

Client: Kronospan Sandebeck

Costumer: Kronospan Sandebeck

On the plant of the Kronospan company in Sandebeck, Germany, an additional drum dryer with chip-treatment was installed. The existing drum dryer was replaced by a new one.

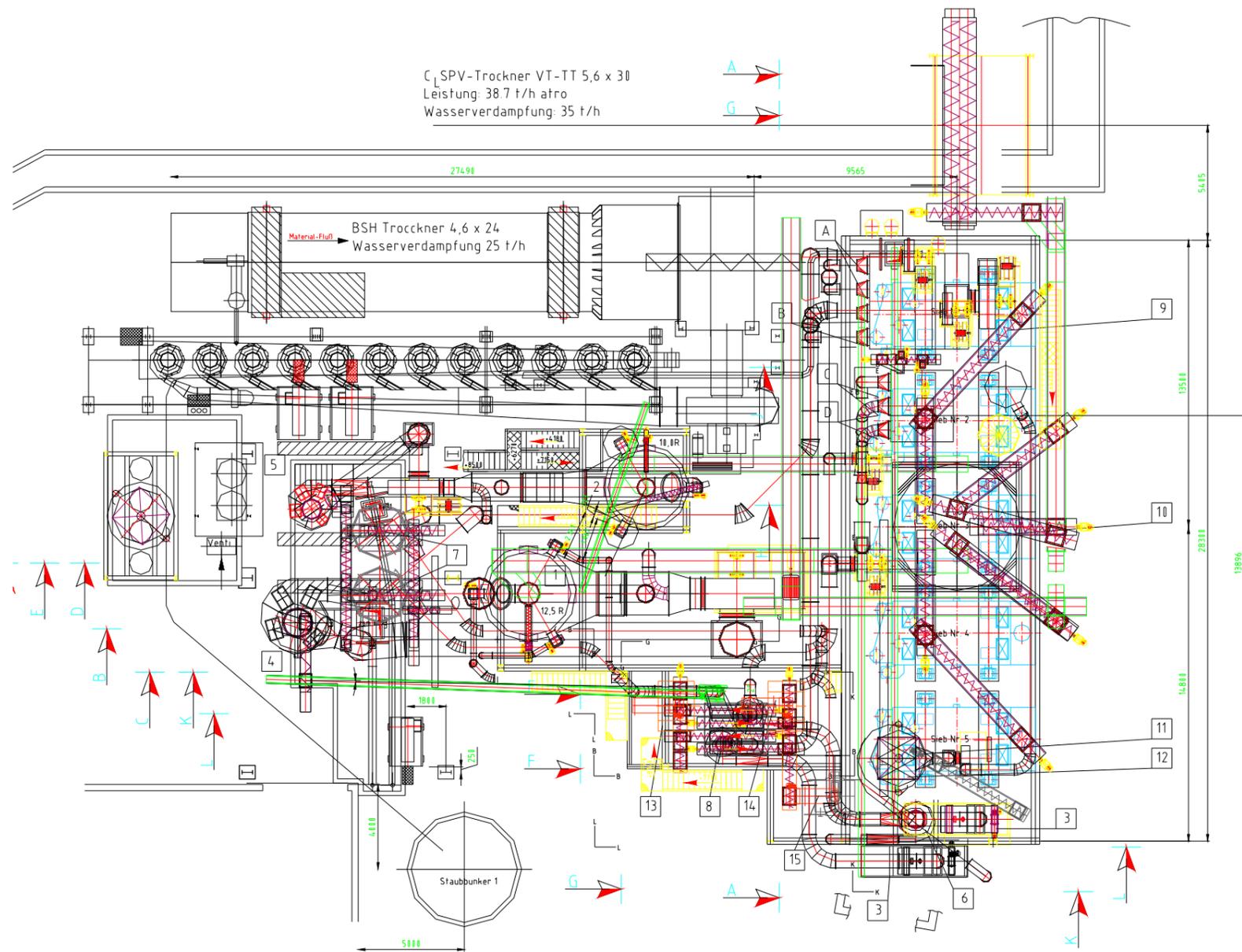
The property proportions were restricted and the production could not be interrupted during the extension and reconstruction time. It was necessary to built a new drum dryer right next to the existing one including the sifter framework, dosing framework and classifier framework.

After starting up the new parts of the plant the production continued unabated. The old drum dryer with its seperating cyclone and discharge housing could be replaced.

The production costs were estimated to approximately 3.8 m Euros.

Our performances:

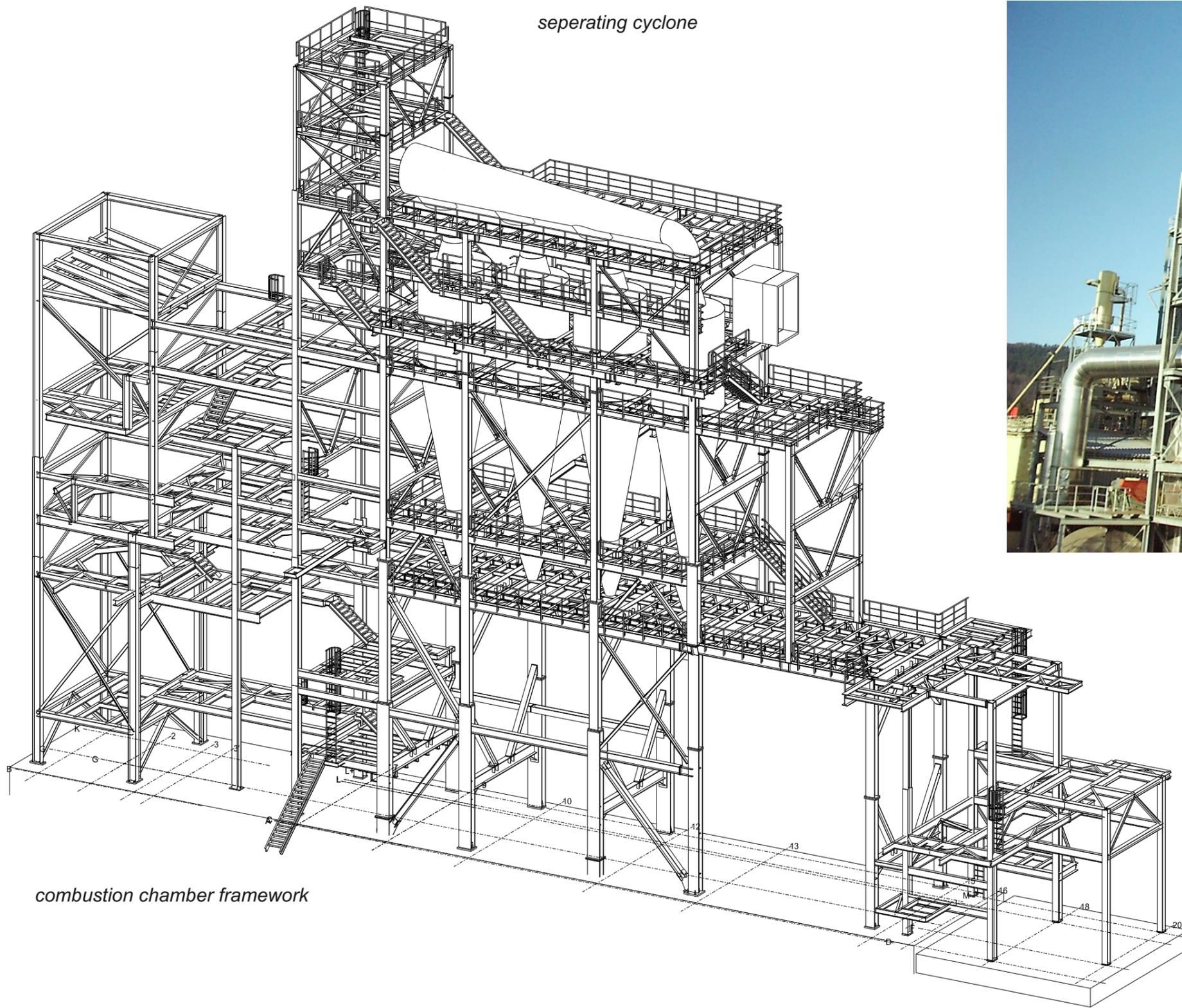
- **Structural planning**
- **Co-ordination with the plant designer of Schenkman and Piel Engineering**
- **Steel construction drawings**
- **Framework design**
- **Co-ordinating the foundation work**
- **Co-ordinating the steel construction work**



Reconstruction and modernization of the chip treatment 2003 / 2004

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|---|--|
| <p>A Abluft Schwesbesichter
12,5 R-MS+10,0 R-DS
V=32.000 Bm³/h</p> <p>B Abluft
SGH-Siebüberlauf IGGI
V=28.500 Bm³/h</p> <p>C Abluft
Zyklon Grobputabsaugung ISGH-Sichterl
V=16.000 Bm³/h</p> <p>D Abluft
SGH 1250 GG
V=28.500 Bm³/h</p> | <p>1 MS-Sichter 12,5 RMS 40 t/h Atro</p> <p>2 DS-Sichter 10,0 R-DS 14 t/h Atro</p> <p>3 SGH 1250 4 t/h Atro</p> <p>4 HU 2800 36 t/h Atro</p> <p>5 HU 1900 7,2 t/h Atro</p> <p>6 Abscheider CS 160</p> <p>7 Taumelsiebe</p> <p>8 HU 1250</p> <p>9 Siebe 1-5</p> <p>10 Feuerschutzbunker</p> <p>11 Zyklonfilter</p> <p>12 Taumelsieb</p> <p>13 Mühle DS1</p> <p>14 Mühle DS2</p> <p>15 GG-Mühle</p> |
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plant overview classifier and strainer above drum dryer and separating cyclone



seperating cyclone

combustion chamber framework



photo framework and combustion chamber, seperating cyclone and emergency stack over the drum dryer



photo seperating cyclone



photo entire plant

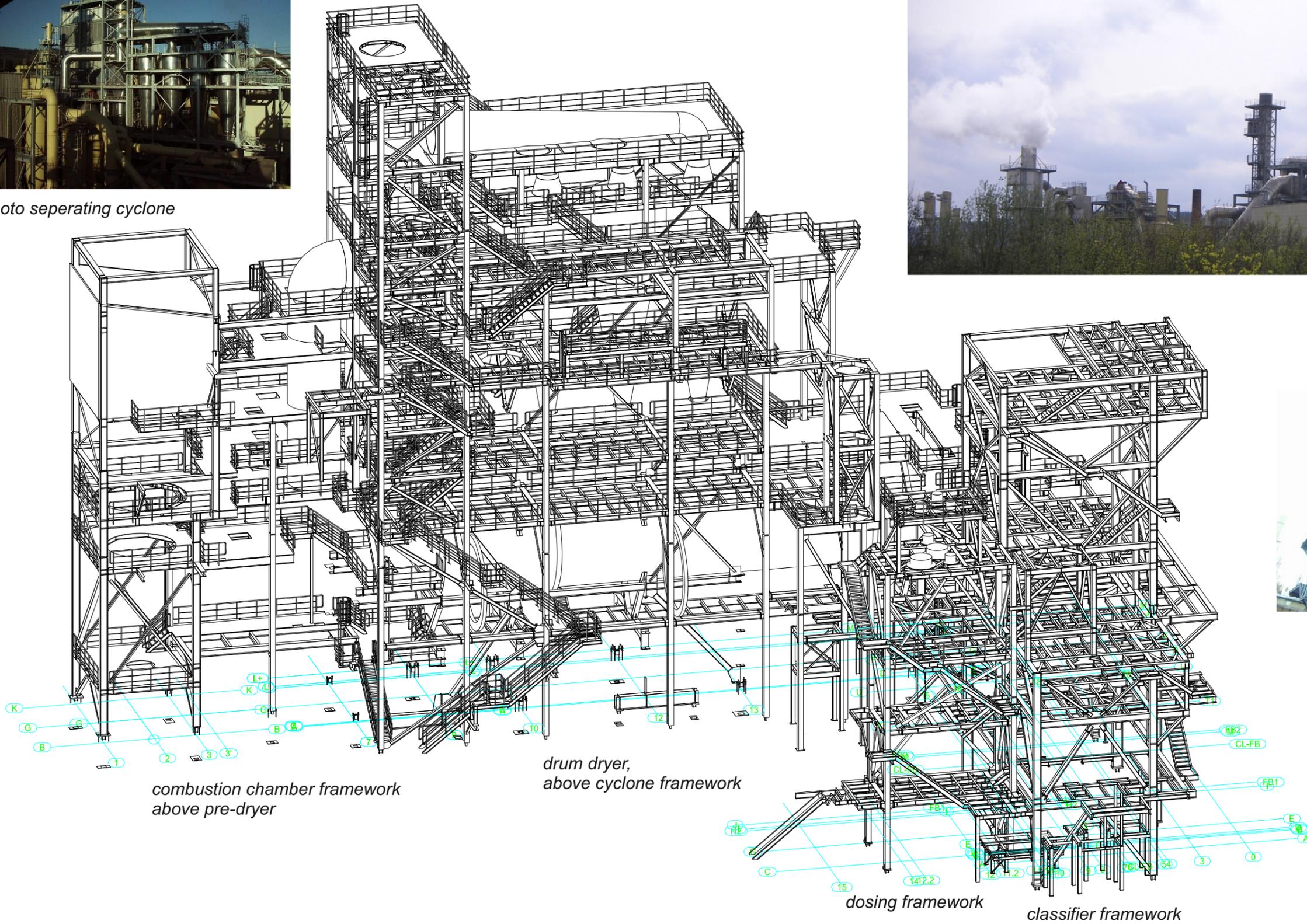
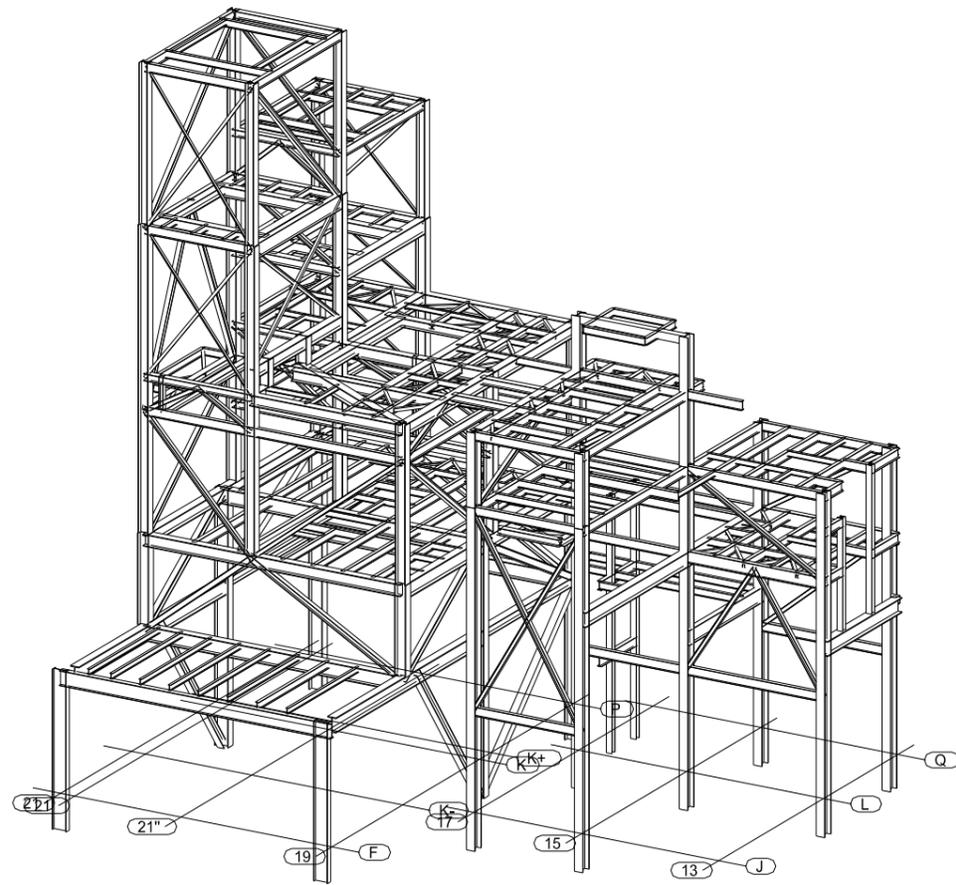
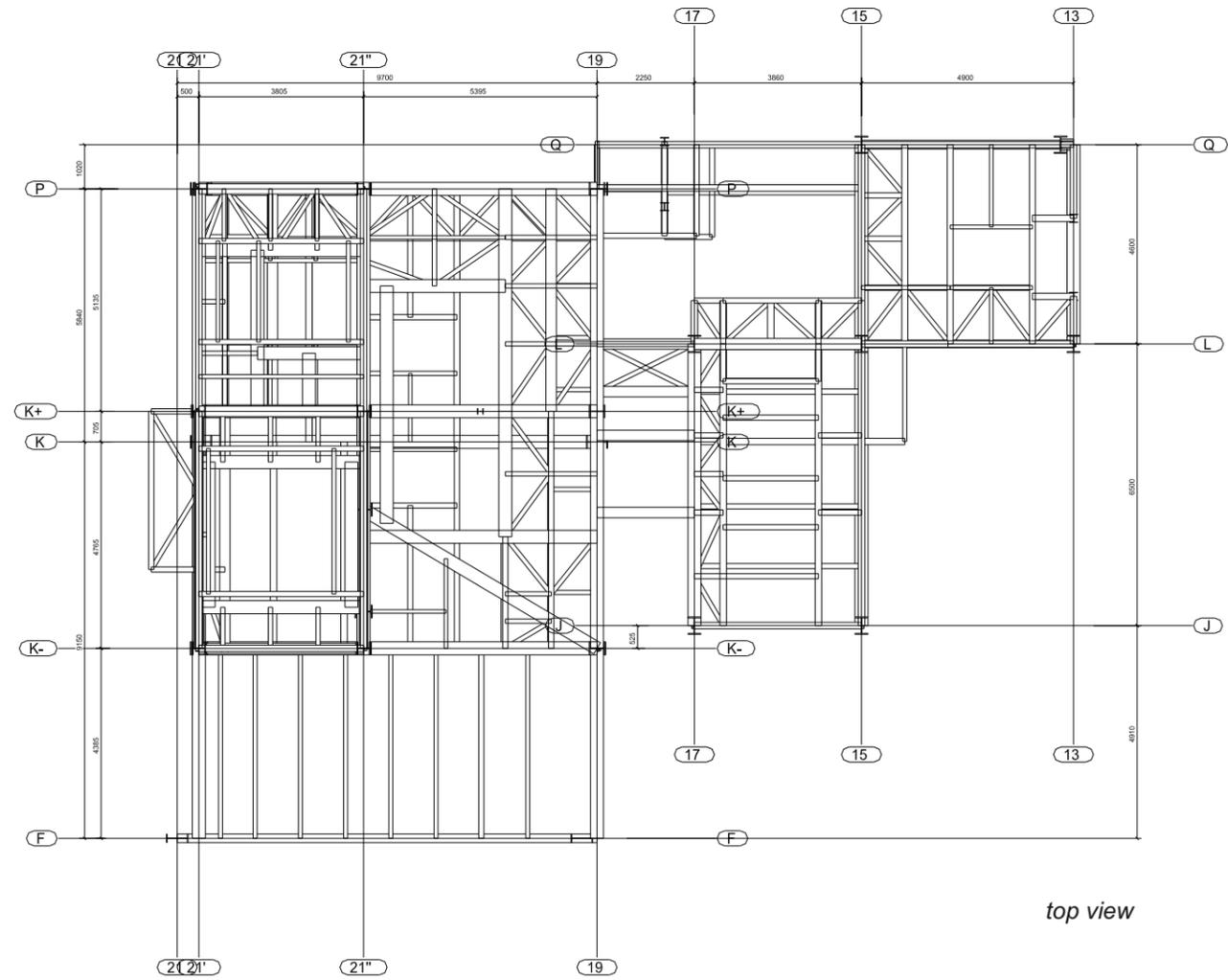


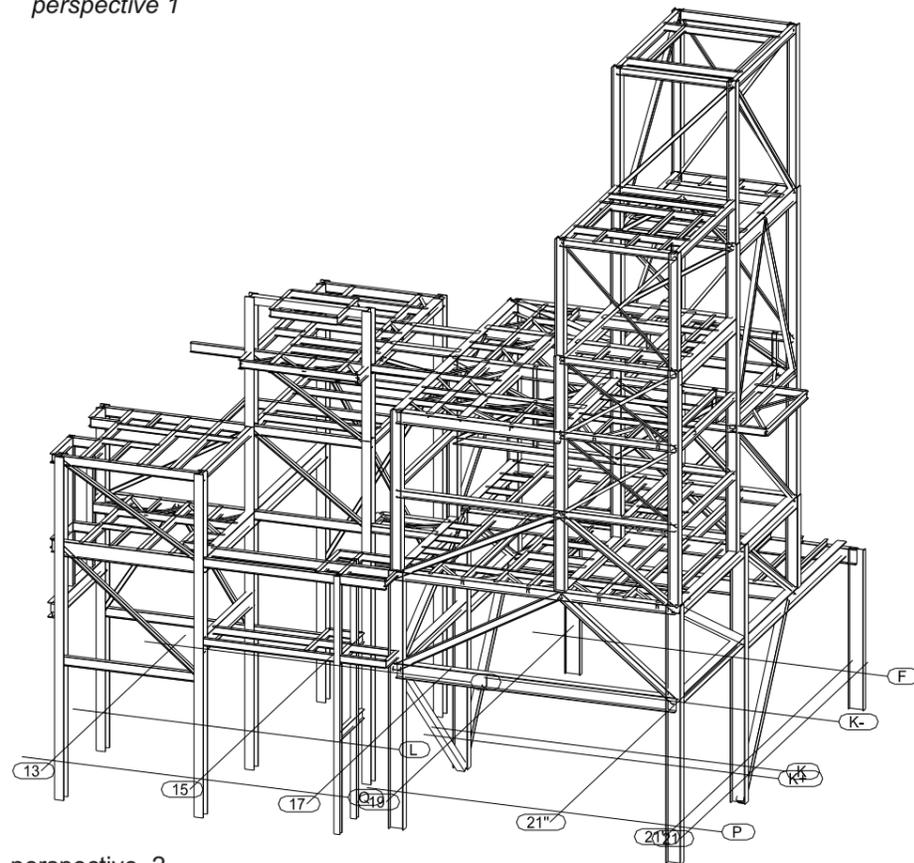
photo classifier framwork



perspective 1



top view



perspective 2



overview air grading classifier