

Appendix – 3.3

Process Flow Diagrams

Flow Diagram Legend

Plant : Nyumba Ya Akira Cement Plant 3000 TPD
Mbemba, DR Congo

Proposal No. : 1173074-50-00

Approved date : 13-Jul-12

Created by : DRN

Approved by : MBK

Flow Diagram Legend

Document No. 50054342-4.0

Proposal No. 1173074-50-00

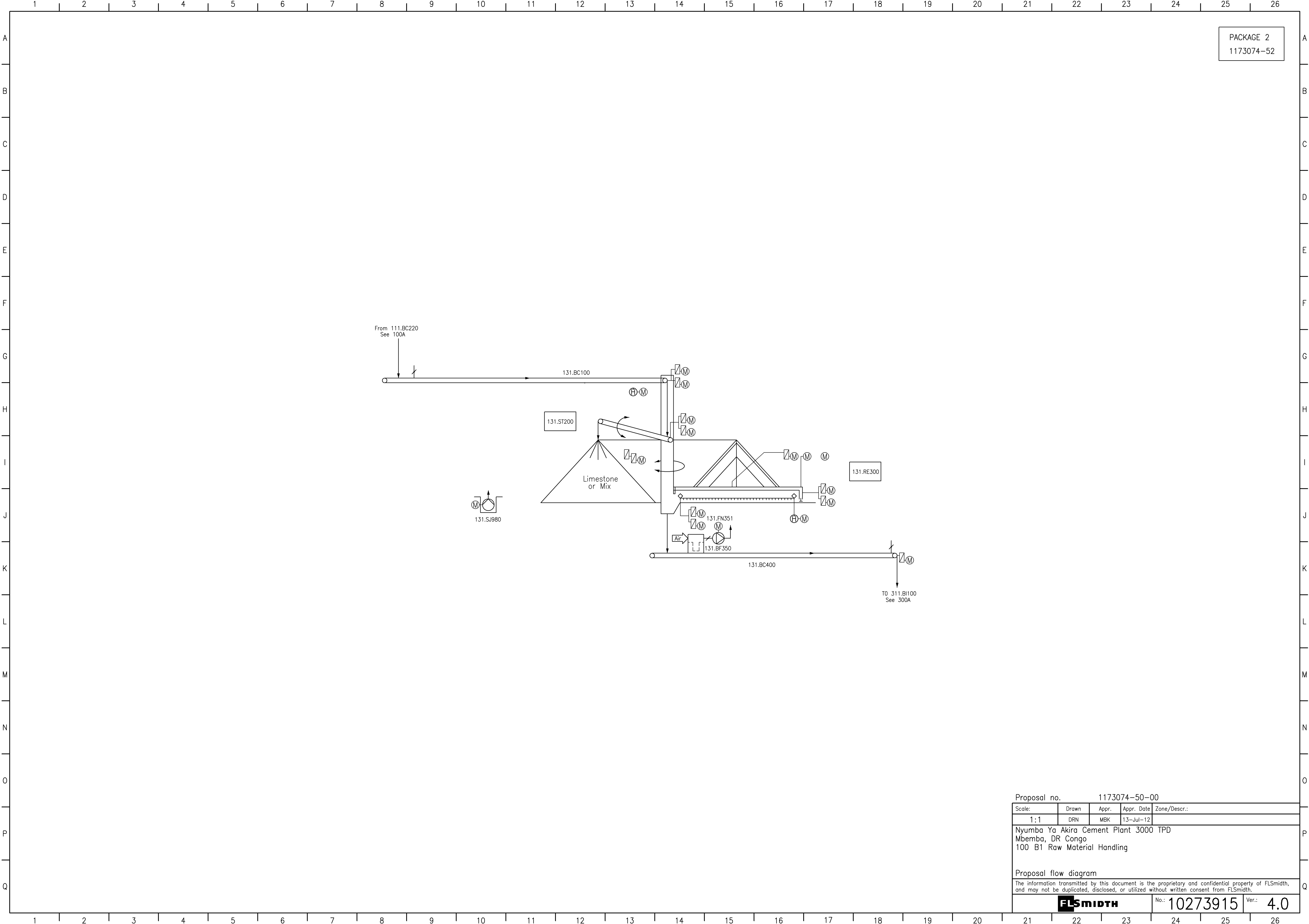
Plant Nyumba Ya Akira Cement Plant 3000 TPD
Mbemba, DR Congo



Dept. No.	Department designation	Drawing No.	Version
100A	Raw Material Handling	10273914	4.0
100B1	Raw Material Handling	10273915	4.0
100B2	Raw Material Handling	10273916	4.0
100C	Raw Material Handling	10273917	4.0
200B	Additive and coal handling	10273918	4.0
300A	Raw Meal Production	10273919	4.0
300B	Raw Meal Production	10273920	4.0
300C	Raw Meal Production	10273921	4.0
300D	Raw Meal Production	10273922	4.0
400A	Clinker Production	10273923	4.0
400B	Clinker Production	10273924	4.0
400C	Clinker Production	10273925	4.0
400E	Clinker Production	10273926	4.0
400G	Clinker Production	10273927	4.0
400H	Clinker Production	10273928	4.0
500A	Cement Grinding	10273929	4.0
500B	Cement Grinding	10273930	4.0
500C	Cement Grinding	10273931	4.0
600A	Cement Storage and Dispatch	10273932	4.0
600C1	Cement Storage and Dispatch	10273933	4.0
600C2	Cement Storage and Dispatch	10273934	4.0
600D1	Cement Storage and Dispatch	10273935	4.0
700B	Utilities	10273936	4.0
700D	Utilities	10273937	4.0
700F	Utilities	10273938	4.0

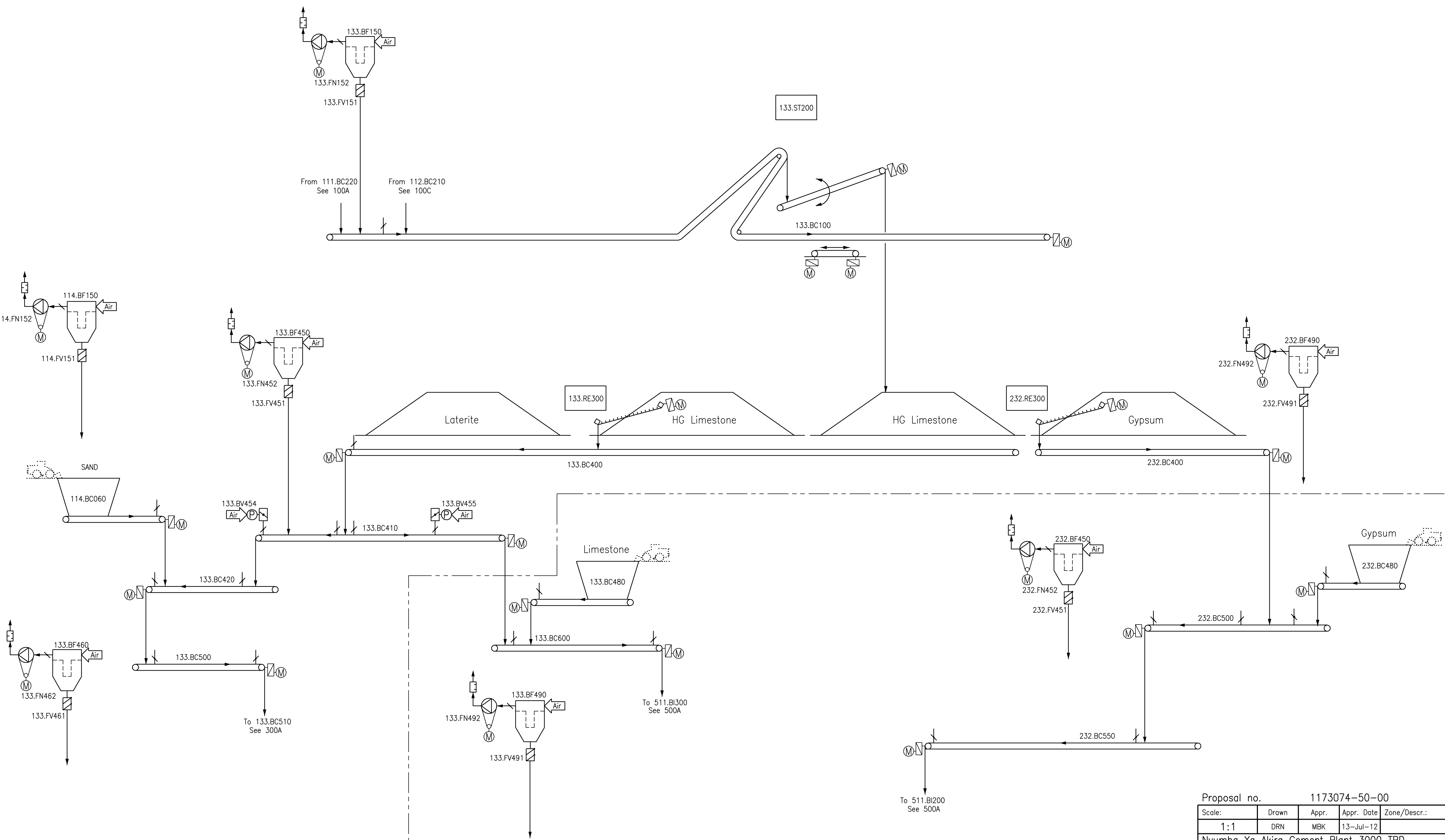
Instructions:

Doc No.	Doc. vers	Document title
39701-3.0	2.0	Graphical symbols
39971-3.0	2.1	Flow diagram, Equipment identification and numbering system

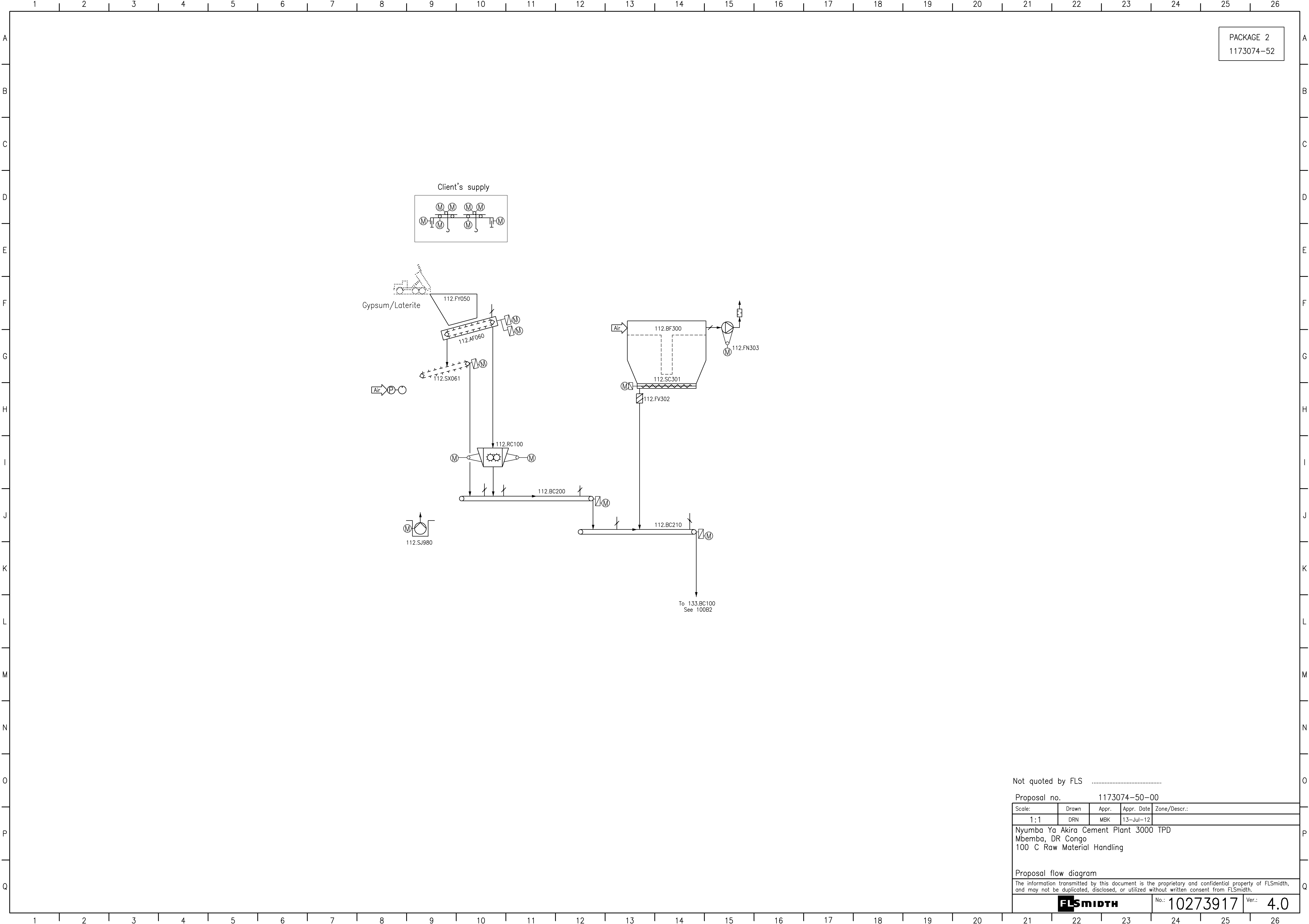


PACKAGE 2
1173074-52

Proposal no. 1173074-50-00				
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Nyumba Ya Akira Cement Plant 3000 TPD Mbemba, DR Congo 100 B1 Raw Material Handling				
Proposal flow diagram				
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Proposal no. 1173074-50-00				
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Nyumba Ya Akira Cement Plant 3000 TPD Mbemba, DR Congo 100 B2 Raw Material Handling				
Proposal flow diagram				
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Proposal no. 1173074-50-00

Scale:	Drawn	Appr.	Appr. Date	Zone/Descr.:
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Nyumba Ya Akira Cement Plant 3000 TPD
Mbemba, DR Congo
100 C Raw Material Handling

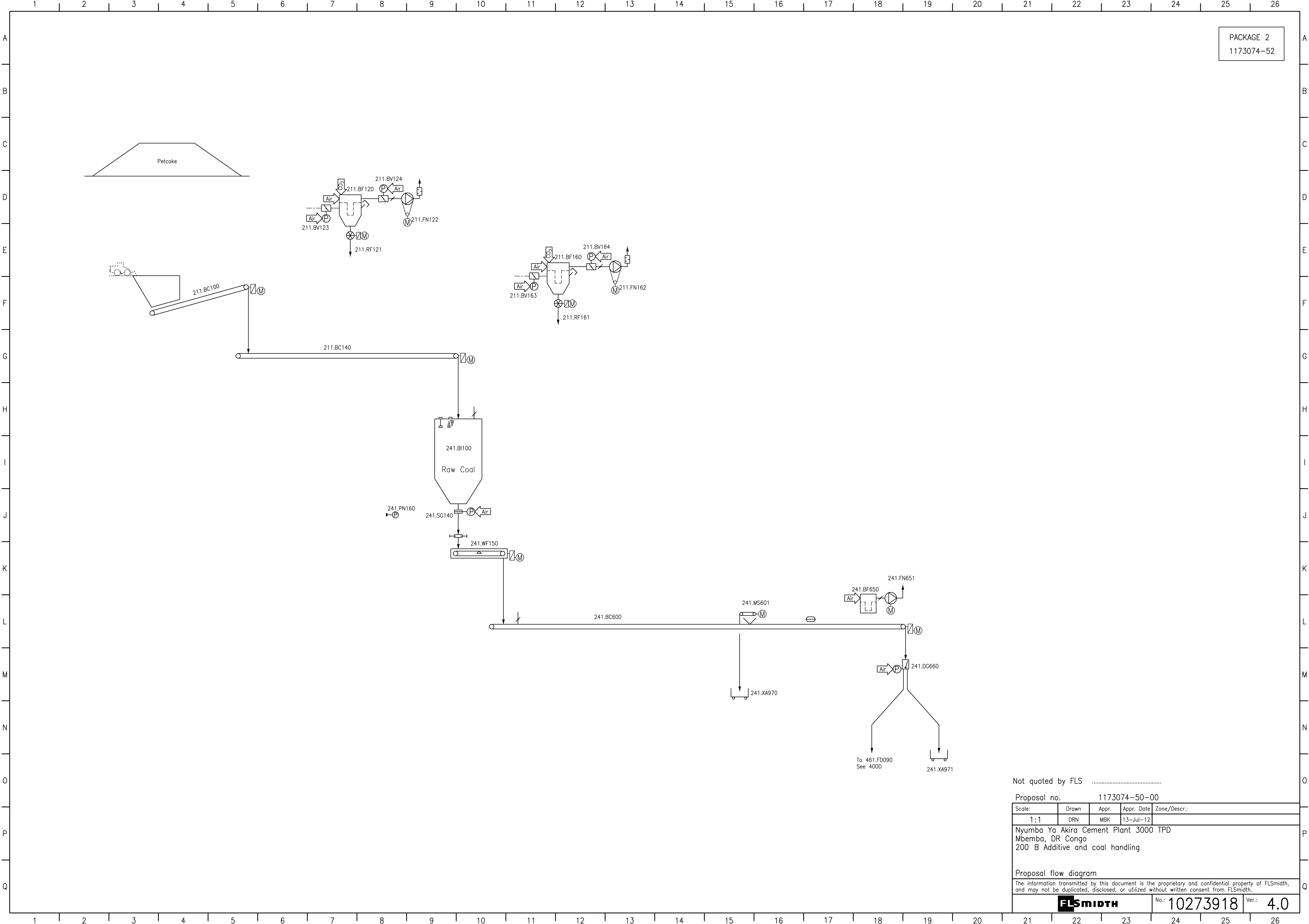
Proposal flow diagram

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Scale:	Drawn	Appr.	Appr. Date	Zone/Descr.:
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Nyumba Ya Akira Cement Plant 3000 TPD
Mbemba, DR Congo
200 B Additive and coal handling

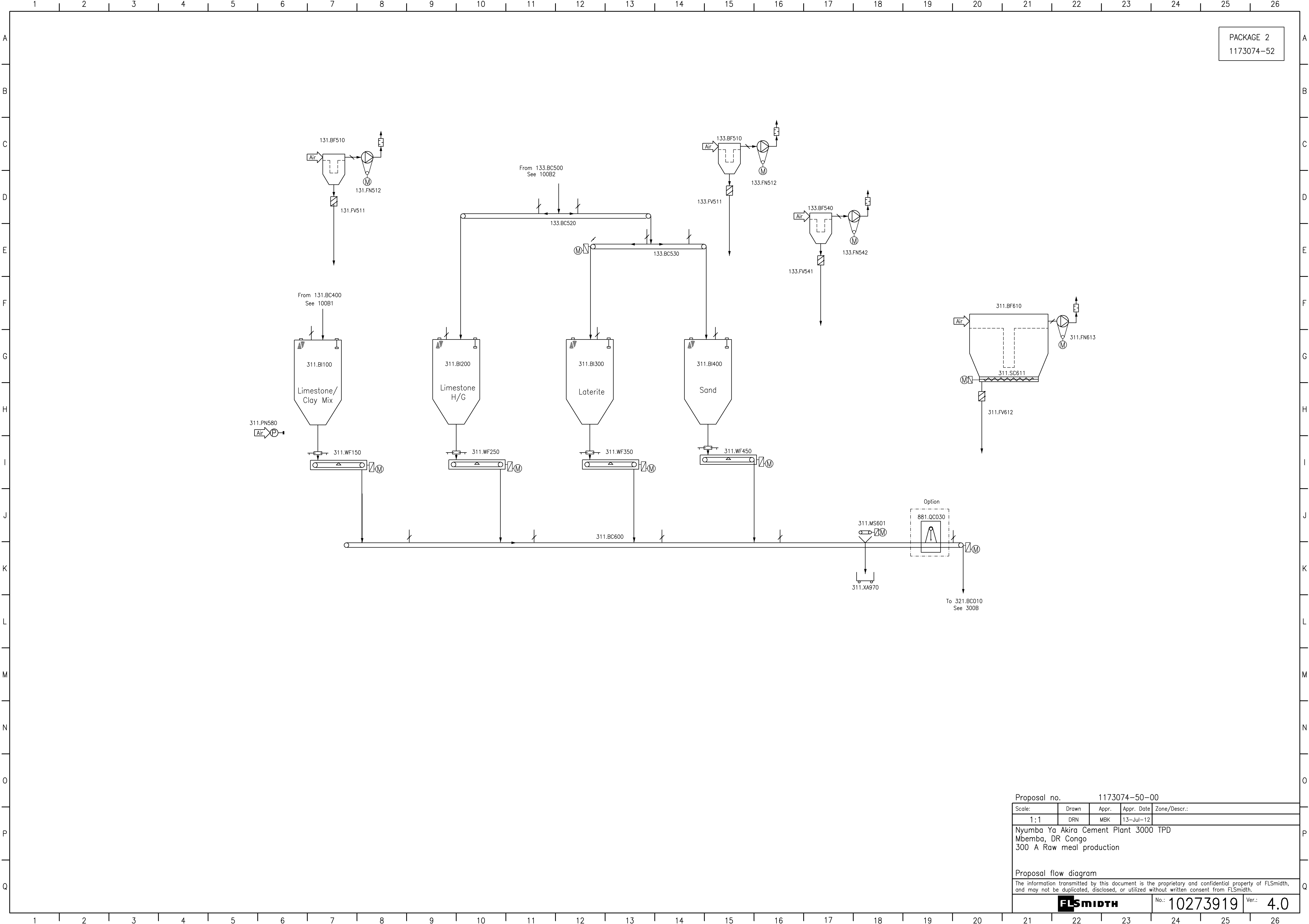
Proposal flow diagram

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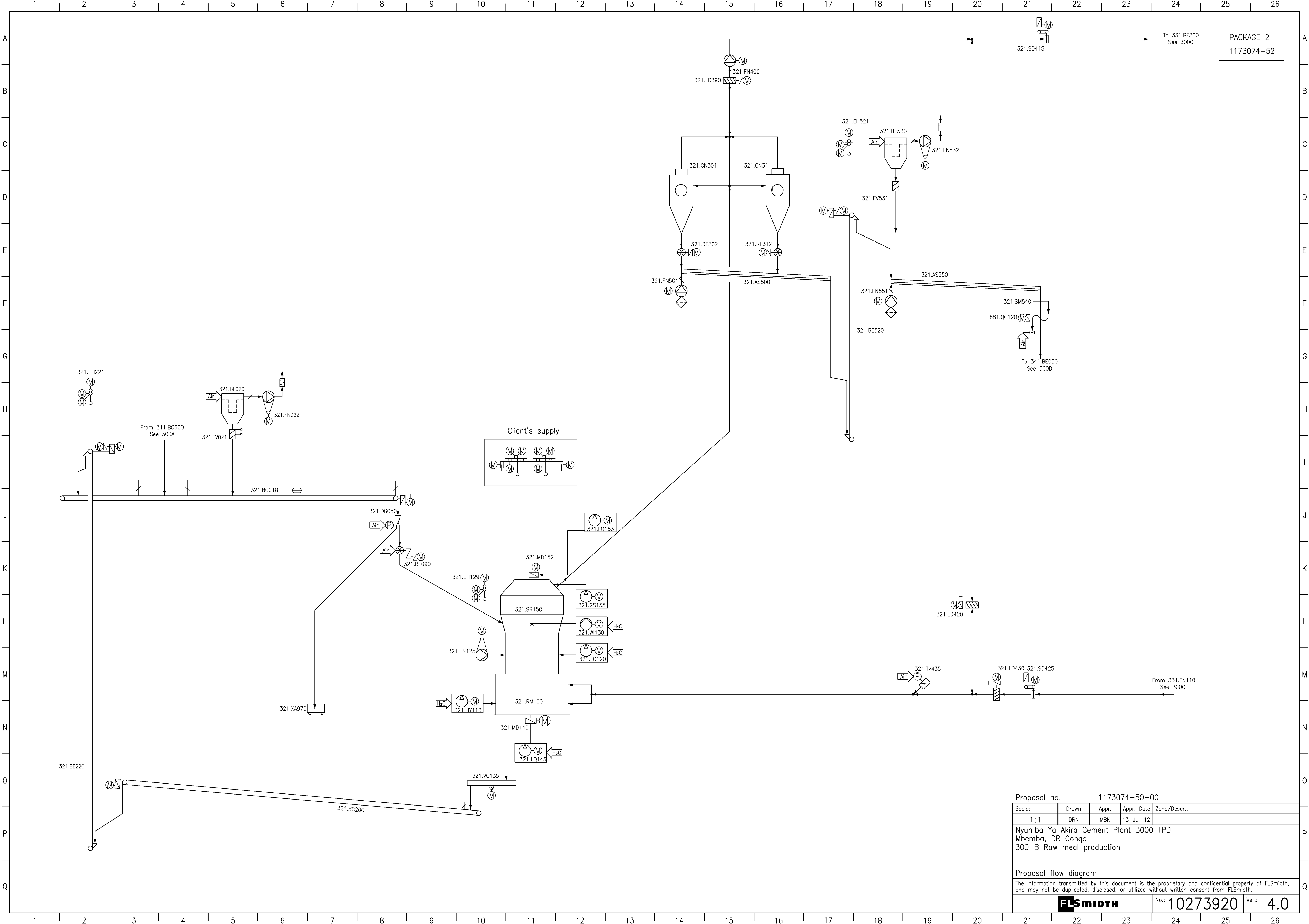
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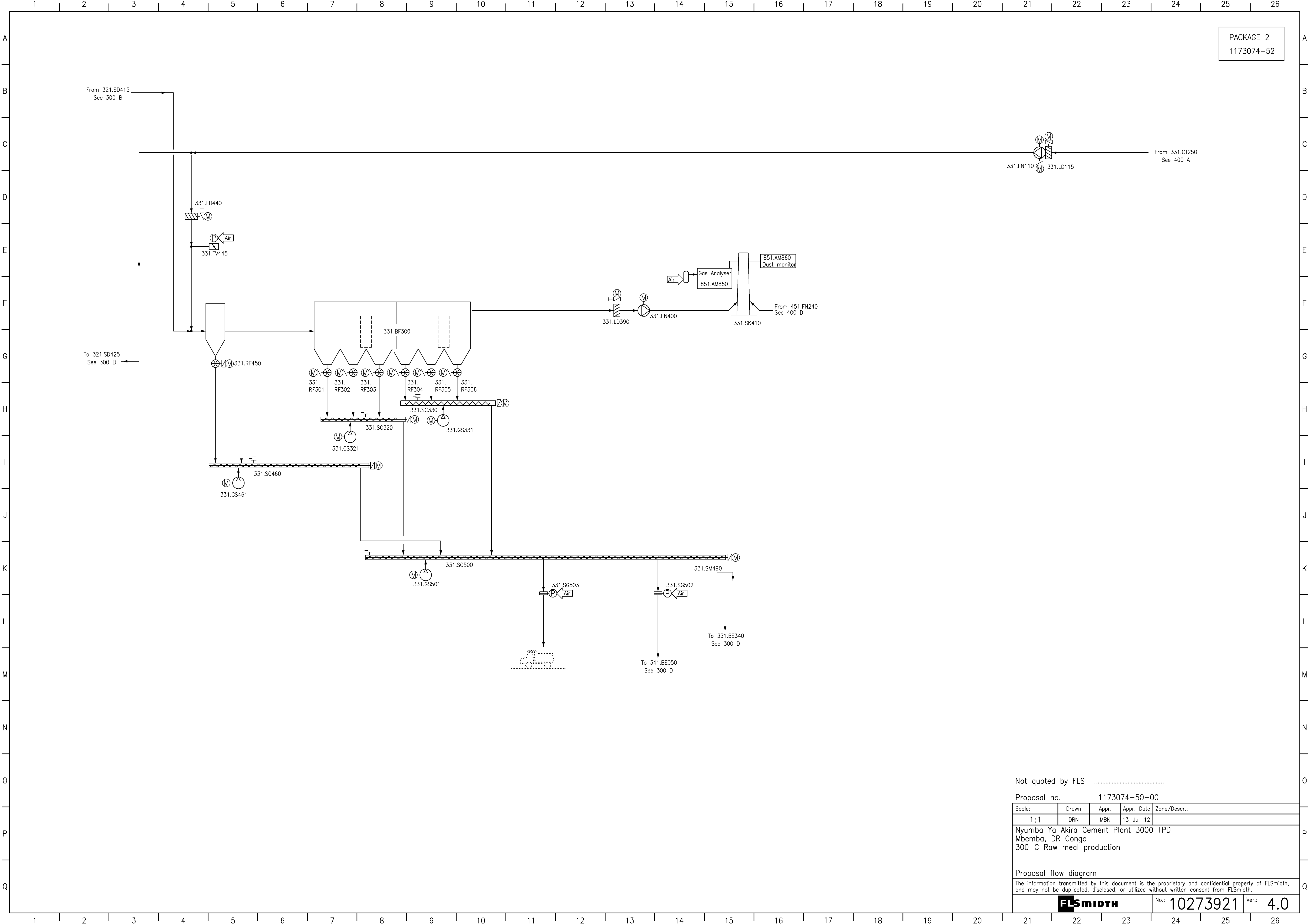
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Proposal no. 1173074-50-00				
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Proposal flow diagram				
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Proposal flow diagram				
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Scale:	Drawn	Appr.	Appr. Date	Zone/Descr.:
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Nyumba Ya Akira Cement Plant 3000 TPD
Mbemba, DR Congo
300 C Raw meal production

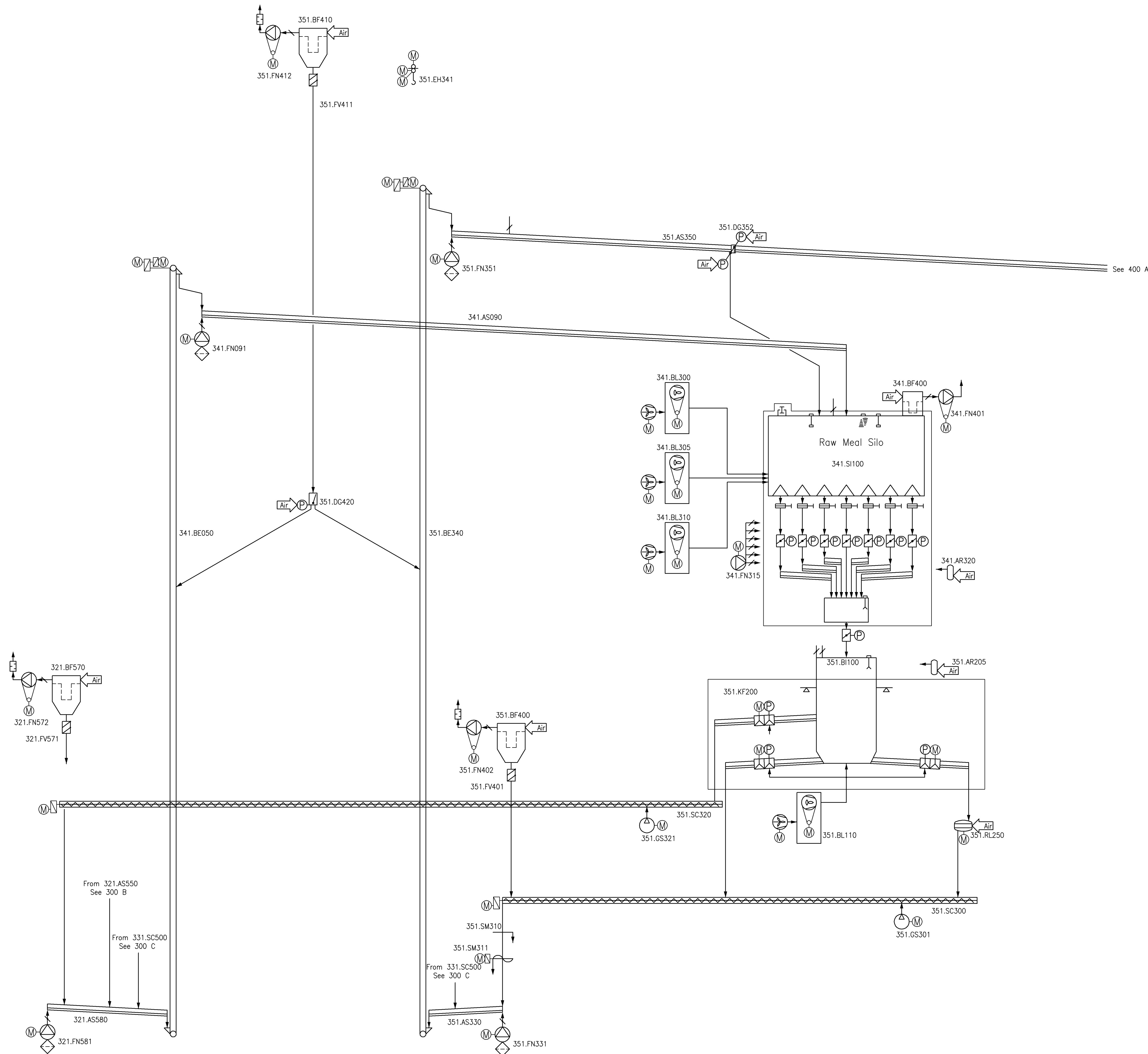
Proposal flow diagram

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Nyumba Ya Akira Cement Plant 3000 TPD
Mbemba, DR Congo
300 D Raw meal production

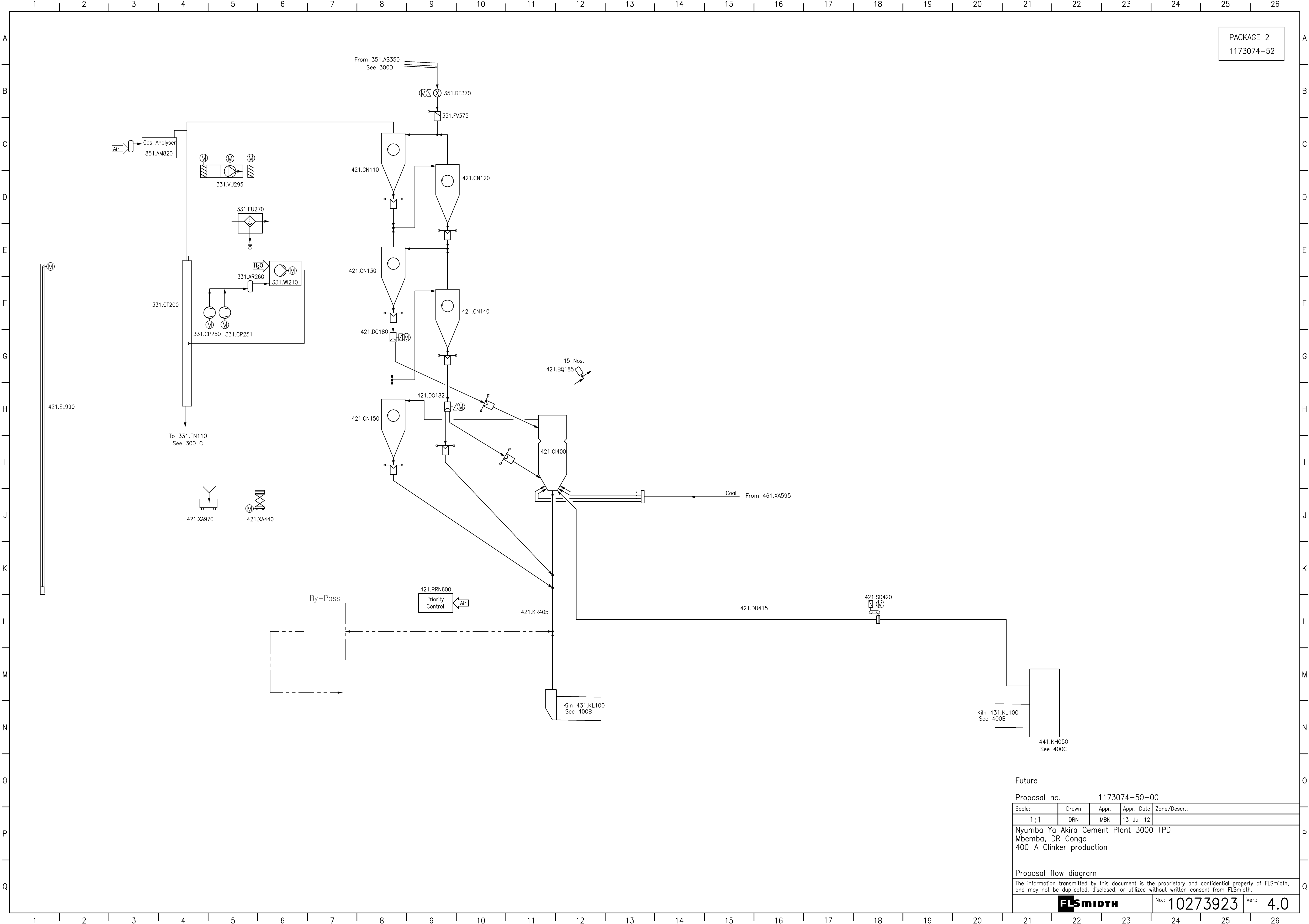
Proposal flow diagram

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Future -----

Proposal no. 1173074-50-00

Scale:	Drawn	Appr.	Appr. Date	Zone/Descr.:
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Nyumba Ya Akira Cement Plant 3000 TPD
Mbemba, DR Congo
400 A Clinker production

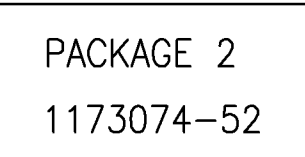
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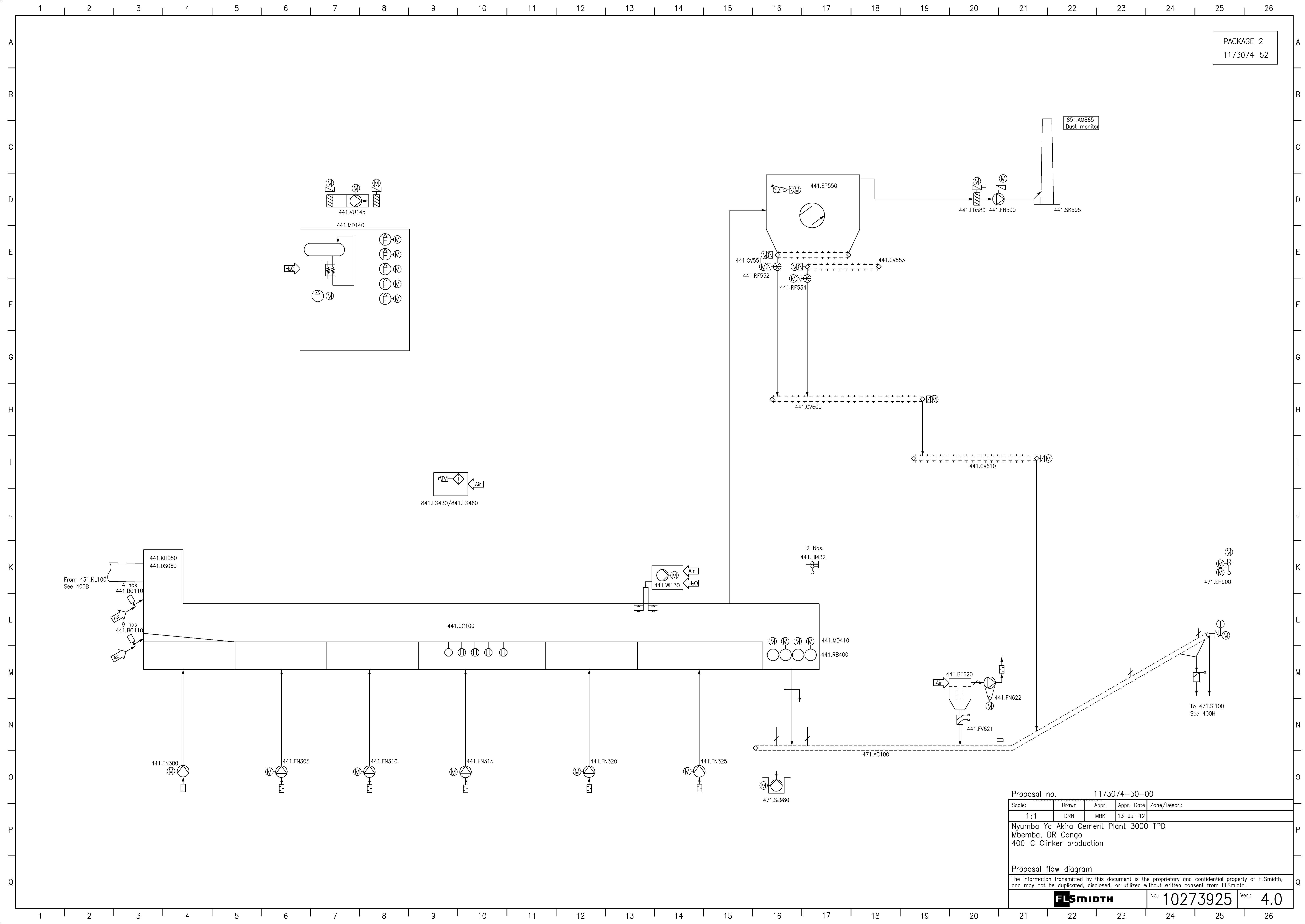
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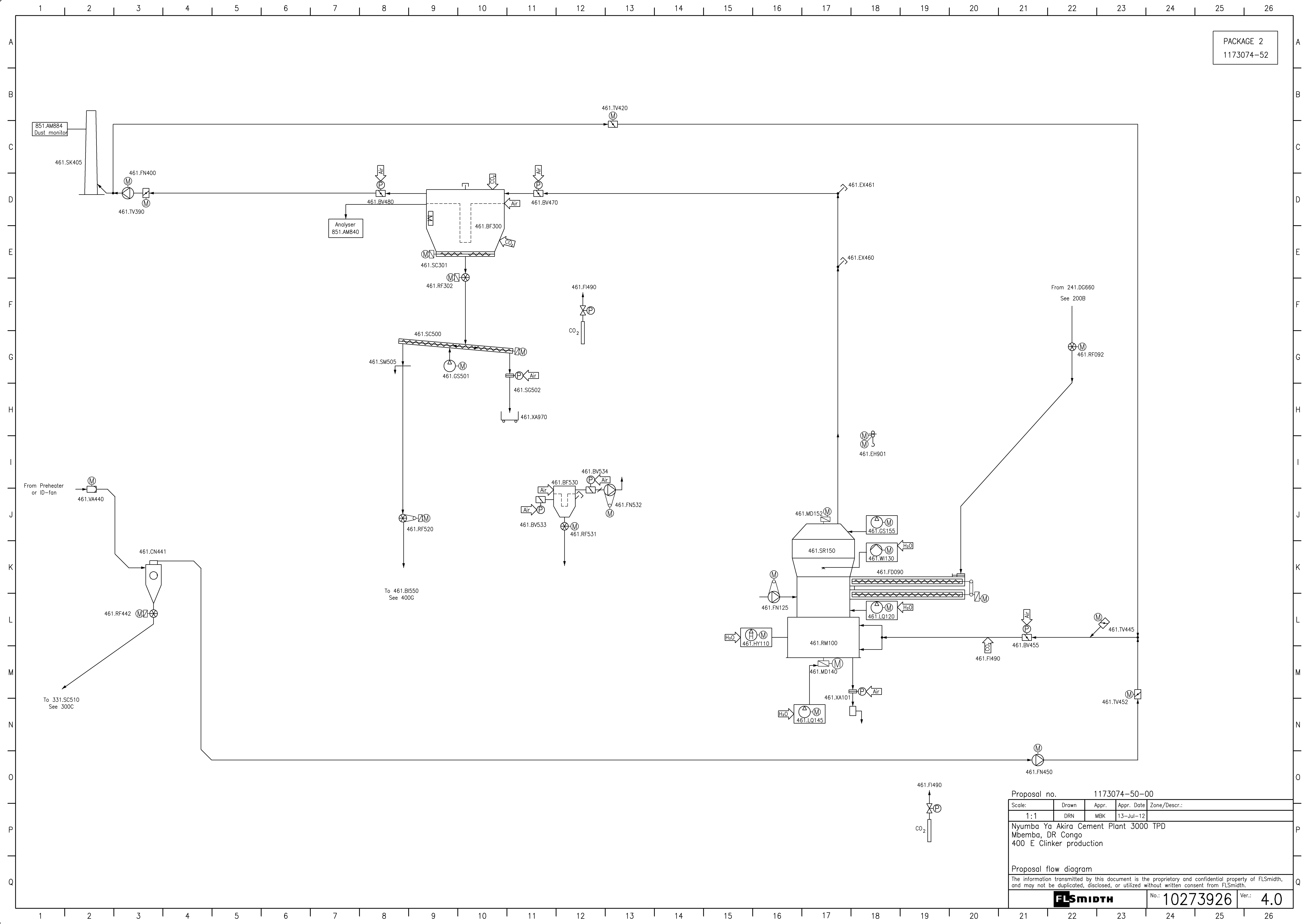
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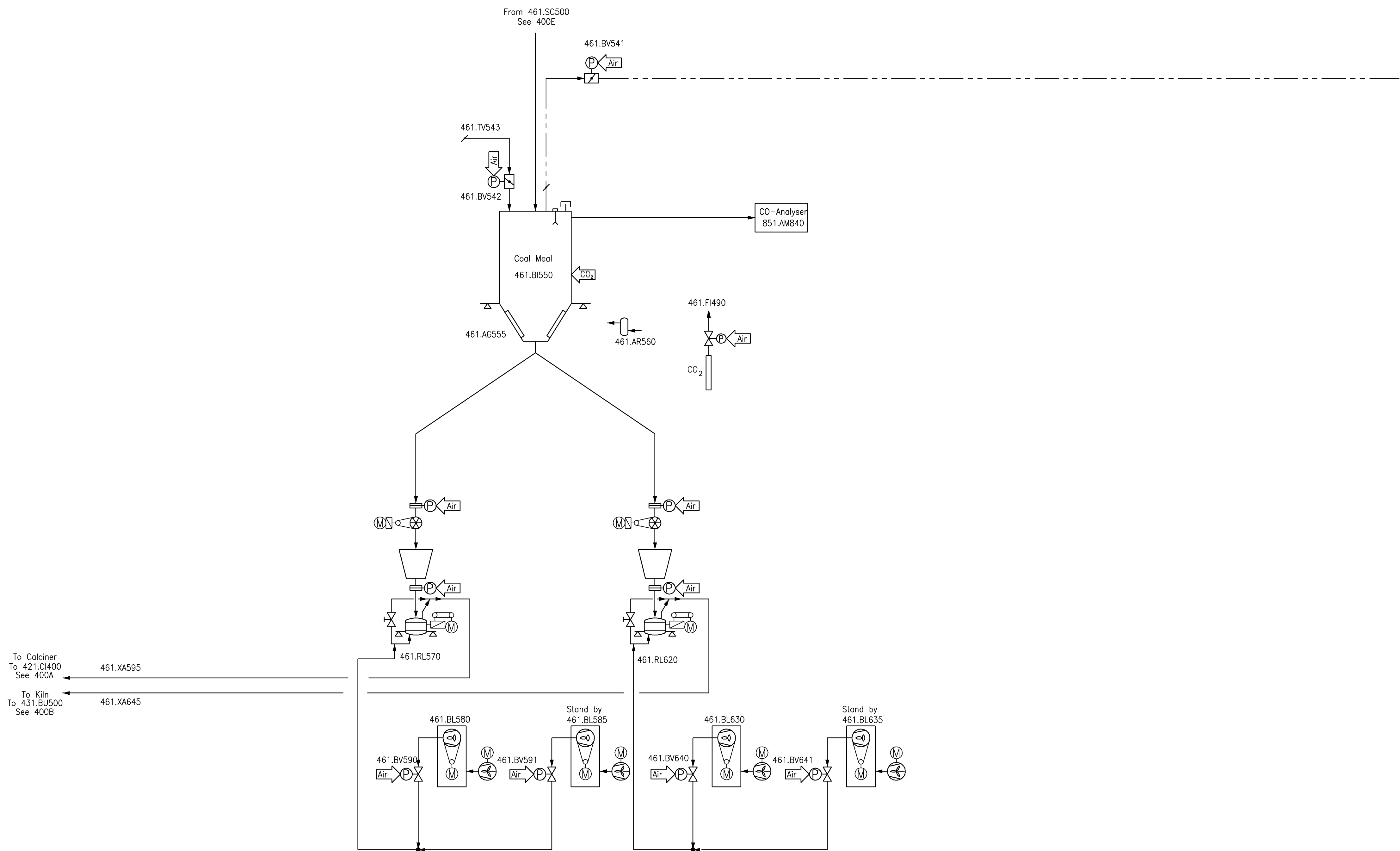
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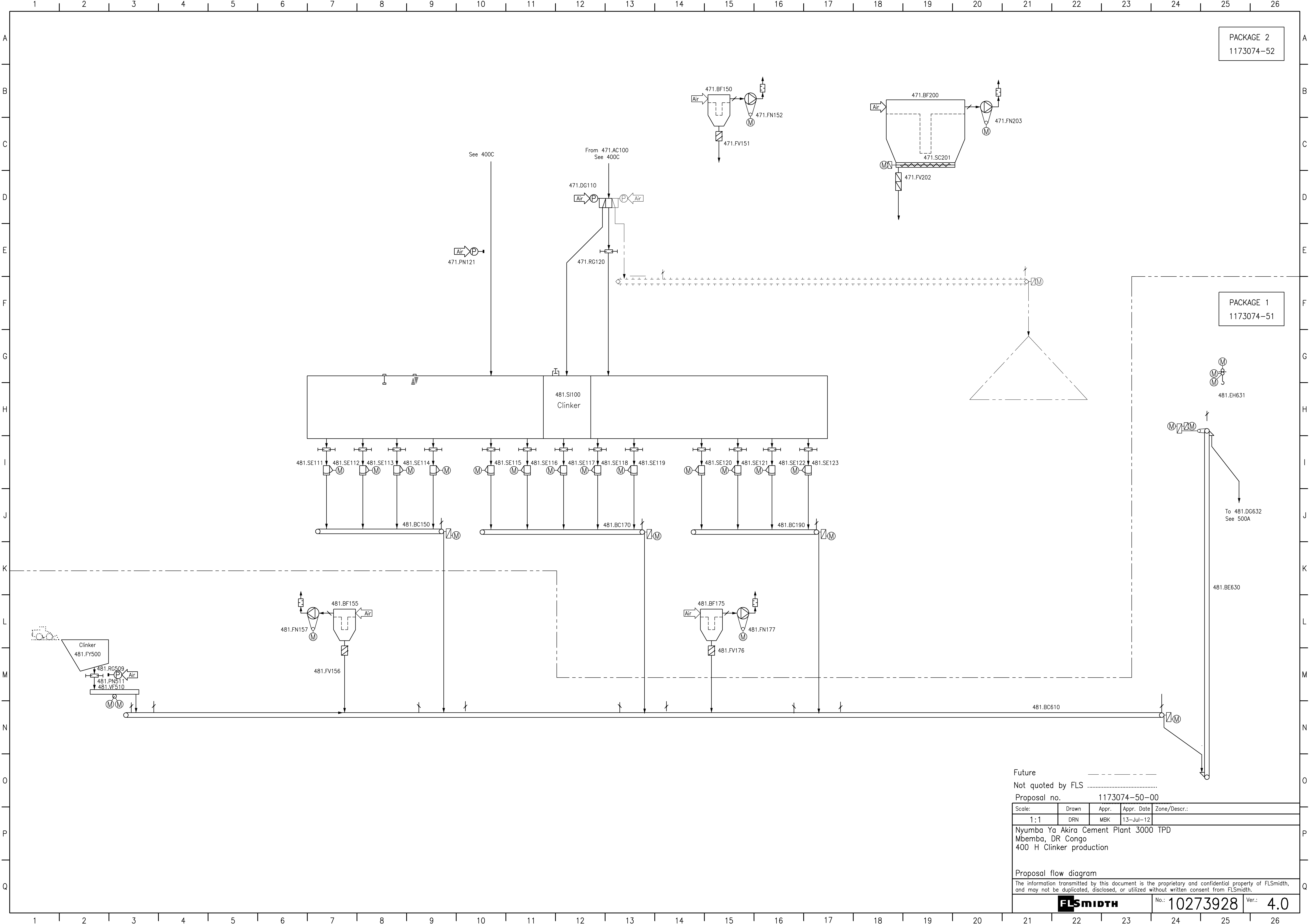
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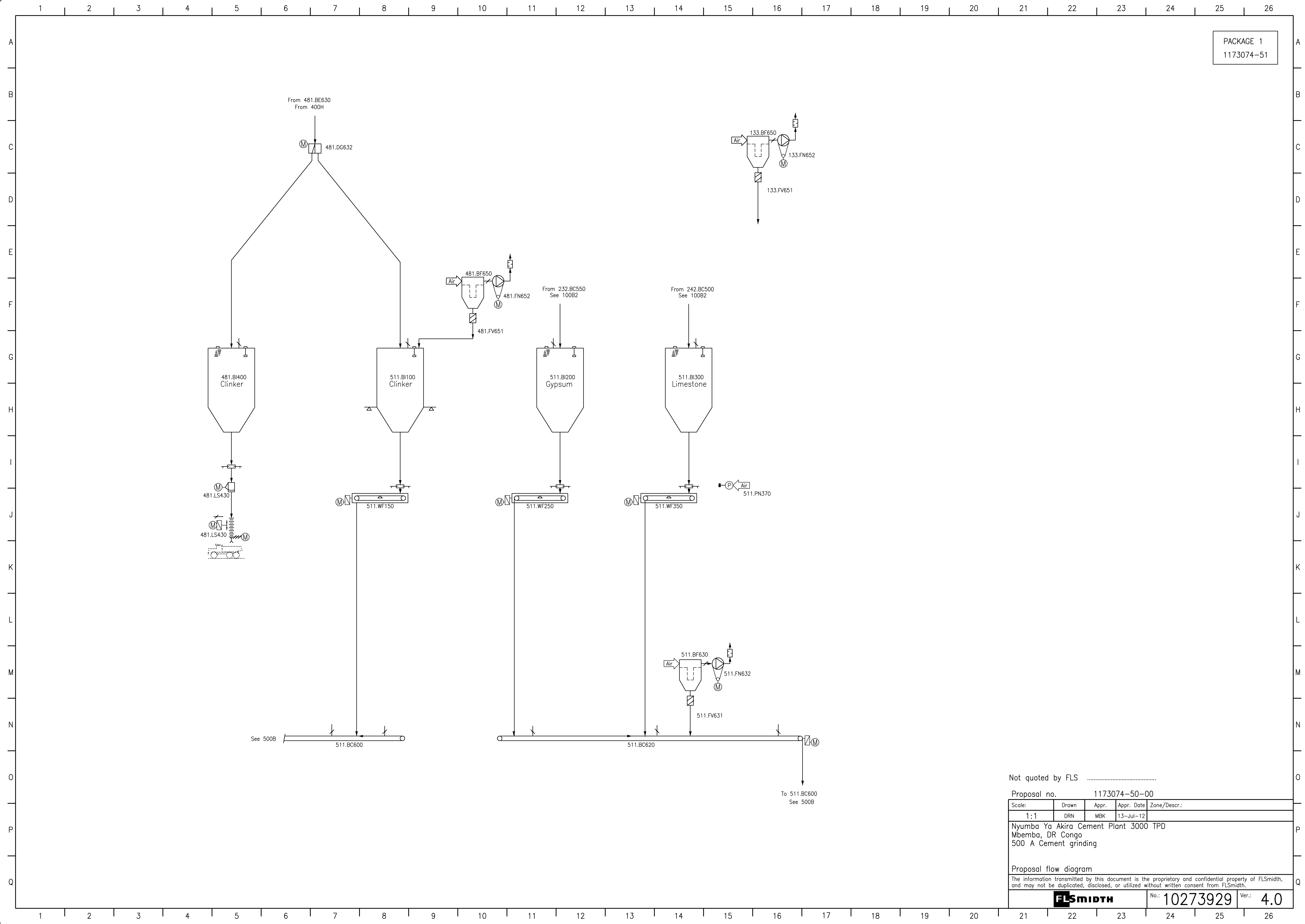


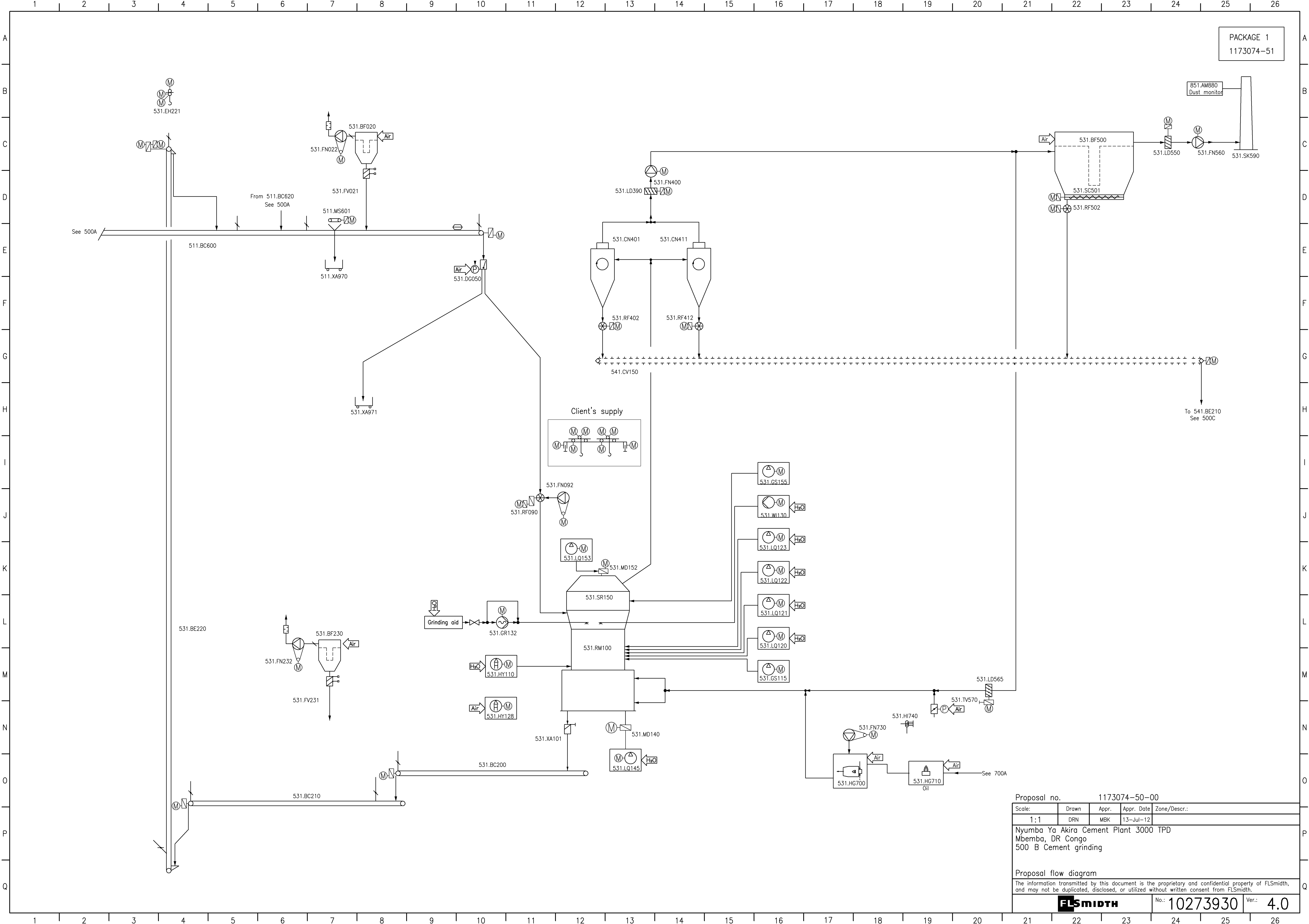


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Proposal flow diagram				
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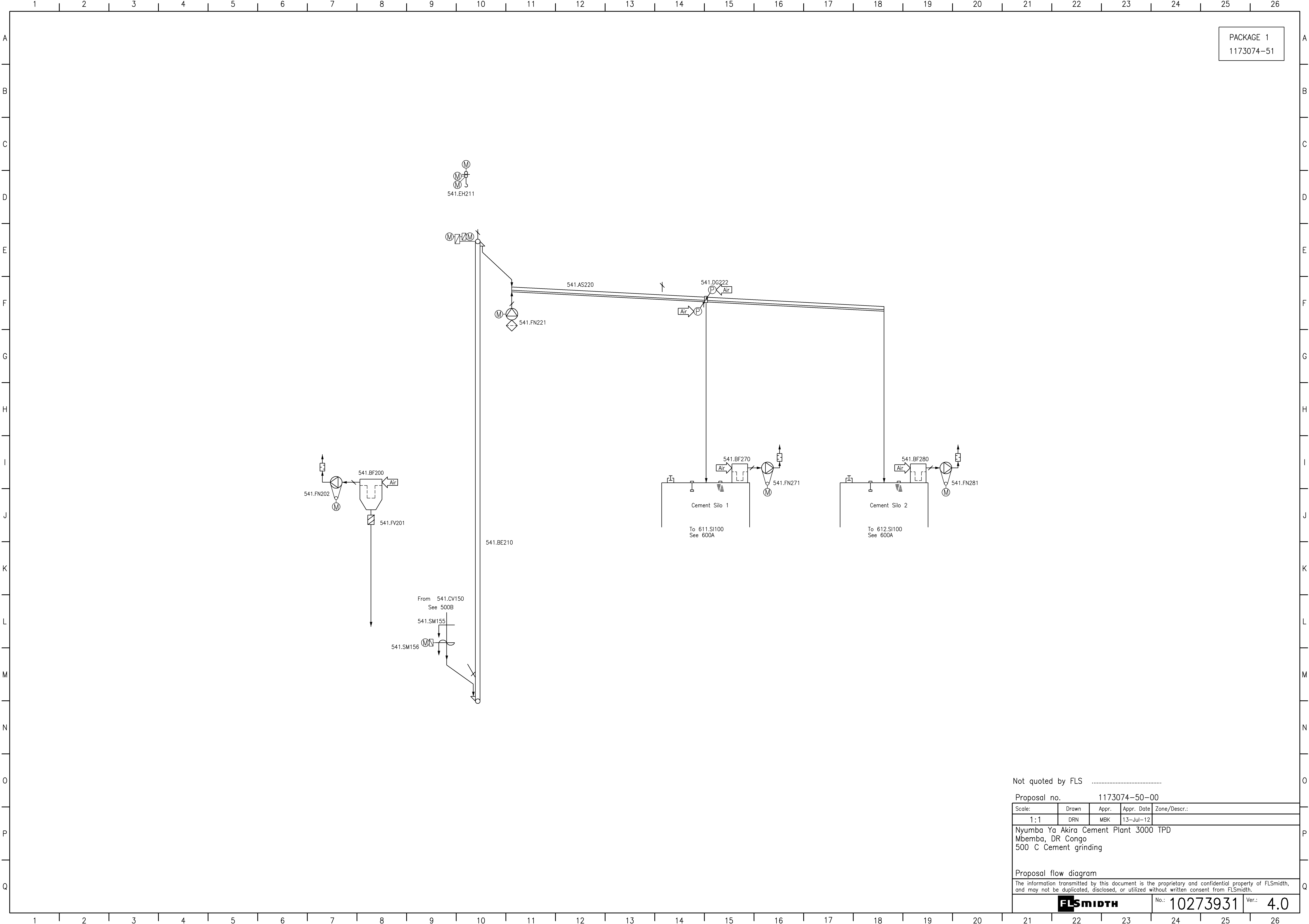
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Nyumba Ya Akira Cement Plant 3000 TPD				
Mbemba, DR Congo				
400 H Clinker production				
Proposal flow diagram				
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Nyumba Ya Akira Cement Plant 3000 TPD Mbemba, DR Congo 500 B Cement grinding				
Proposal flow diagram				
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Scale:	Drawn	Appr.	Appr. Date	Zone/Descr.:
1:1	DRN	MBK	13-Jul-12	

Nyumba Ya Akira Cement Plant 3000 TPD
Mbemba, DR Congo
500 C Cement grinding

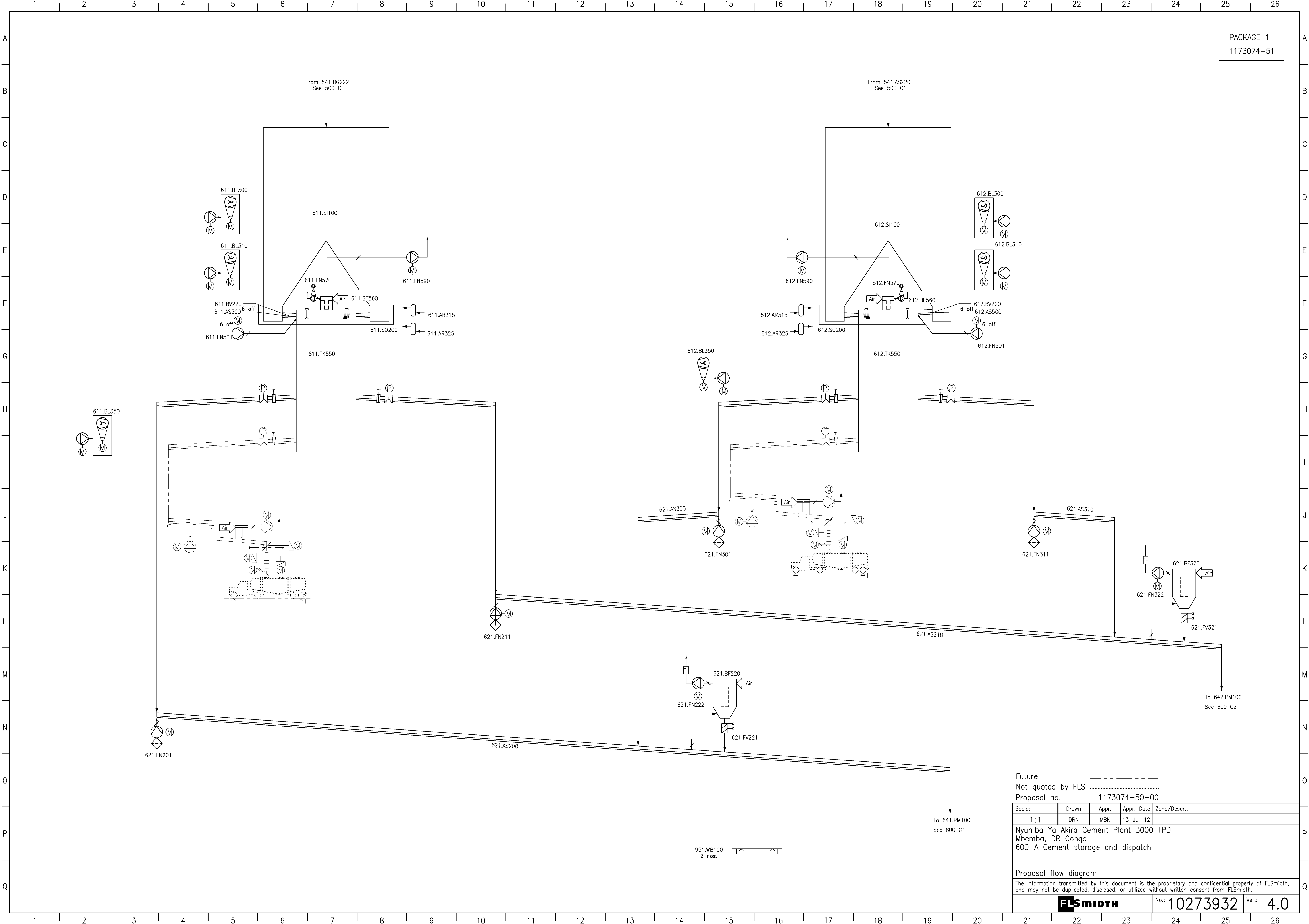
Proposal flow diagram

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Future
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Scale:	Drawn	Appr.	Appr. Date	Zone/Descr.:
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Nyumba Ya Akira Cement Plant 3000 TPD
Mbemba, DR Congo
600 A Cement storage and dispatch

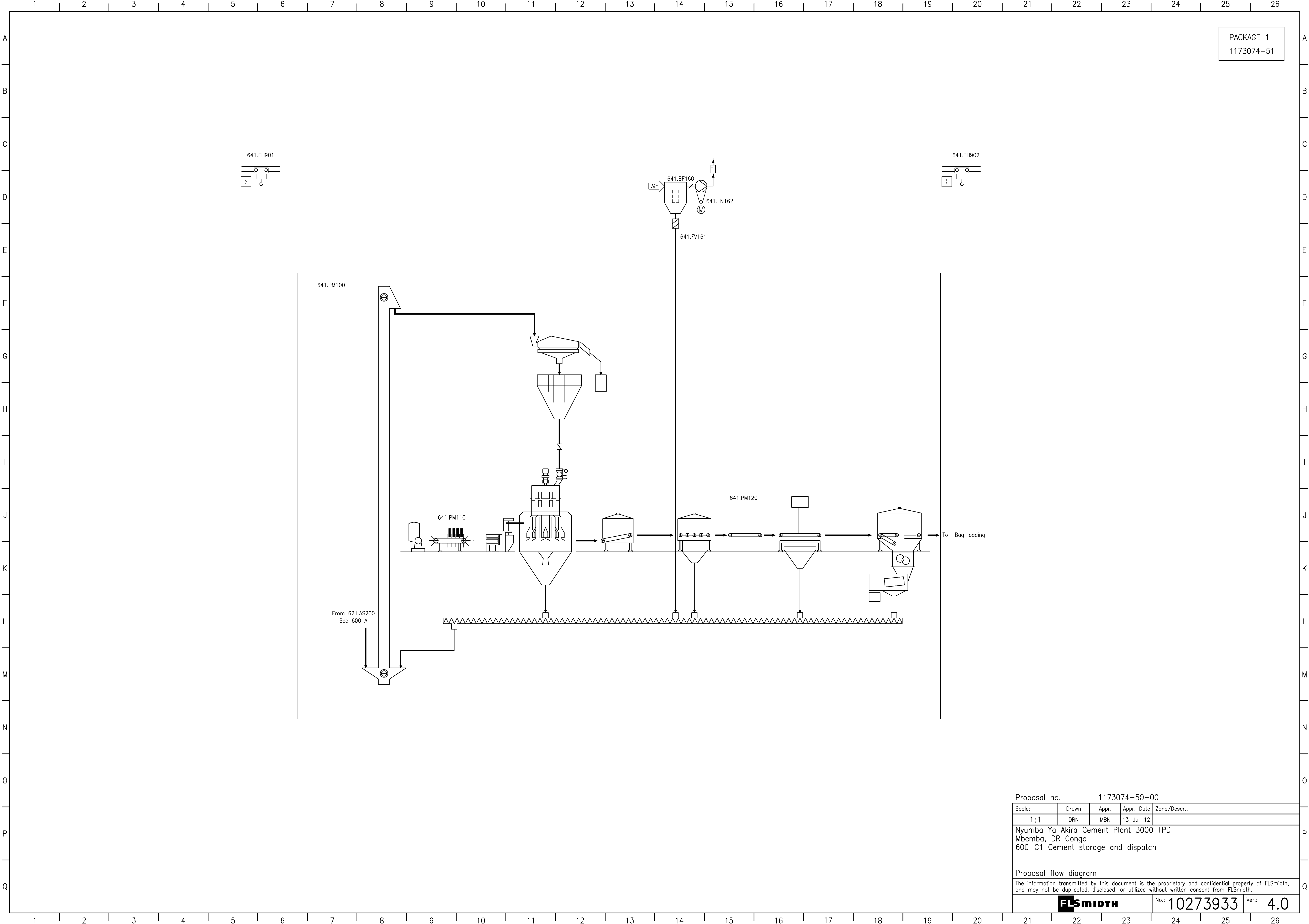
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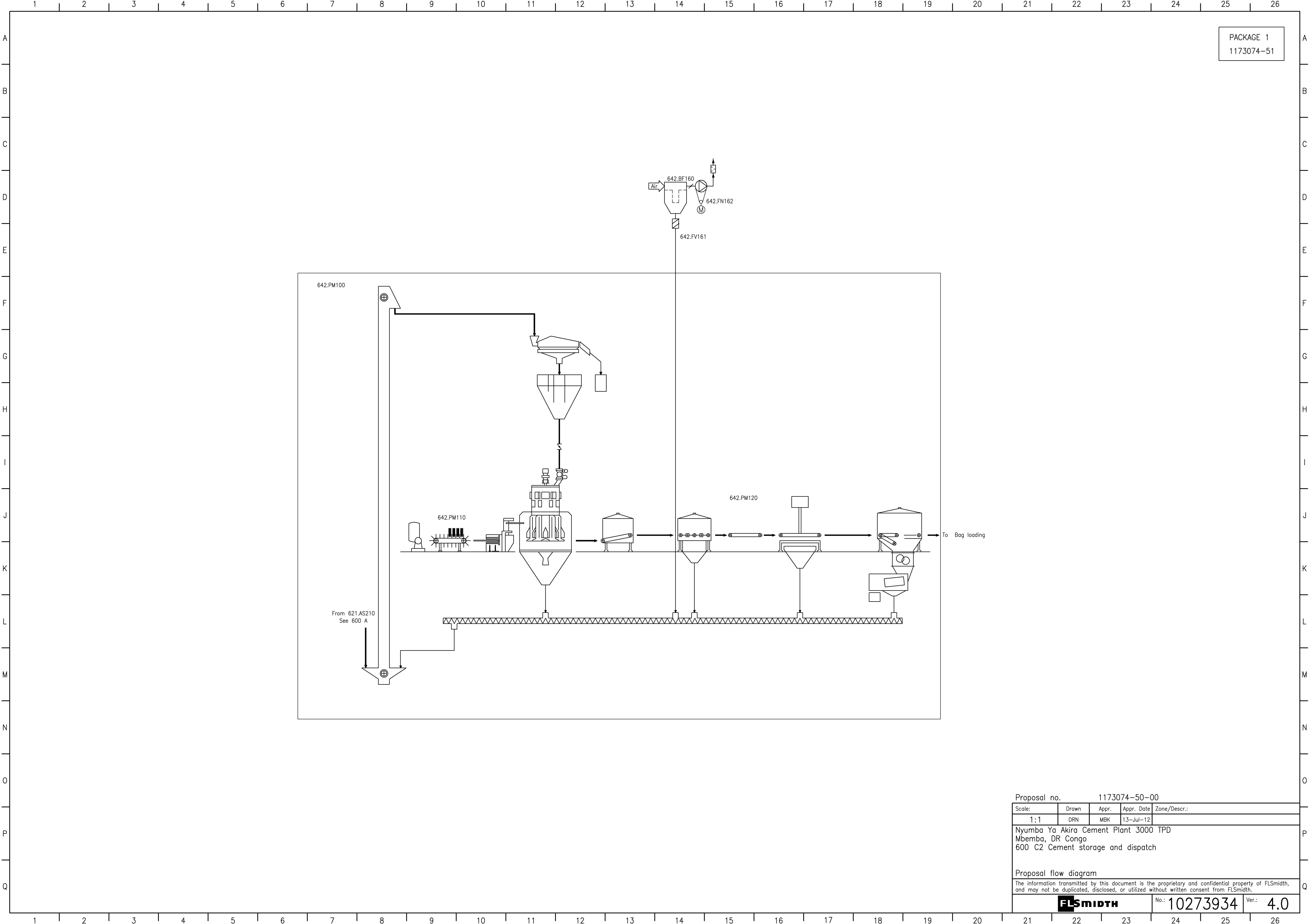
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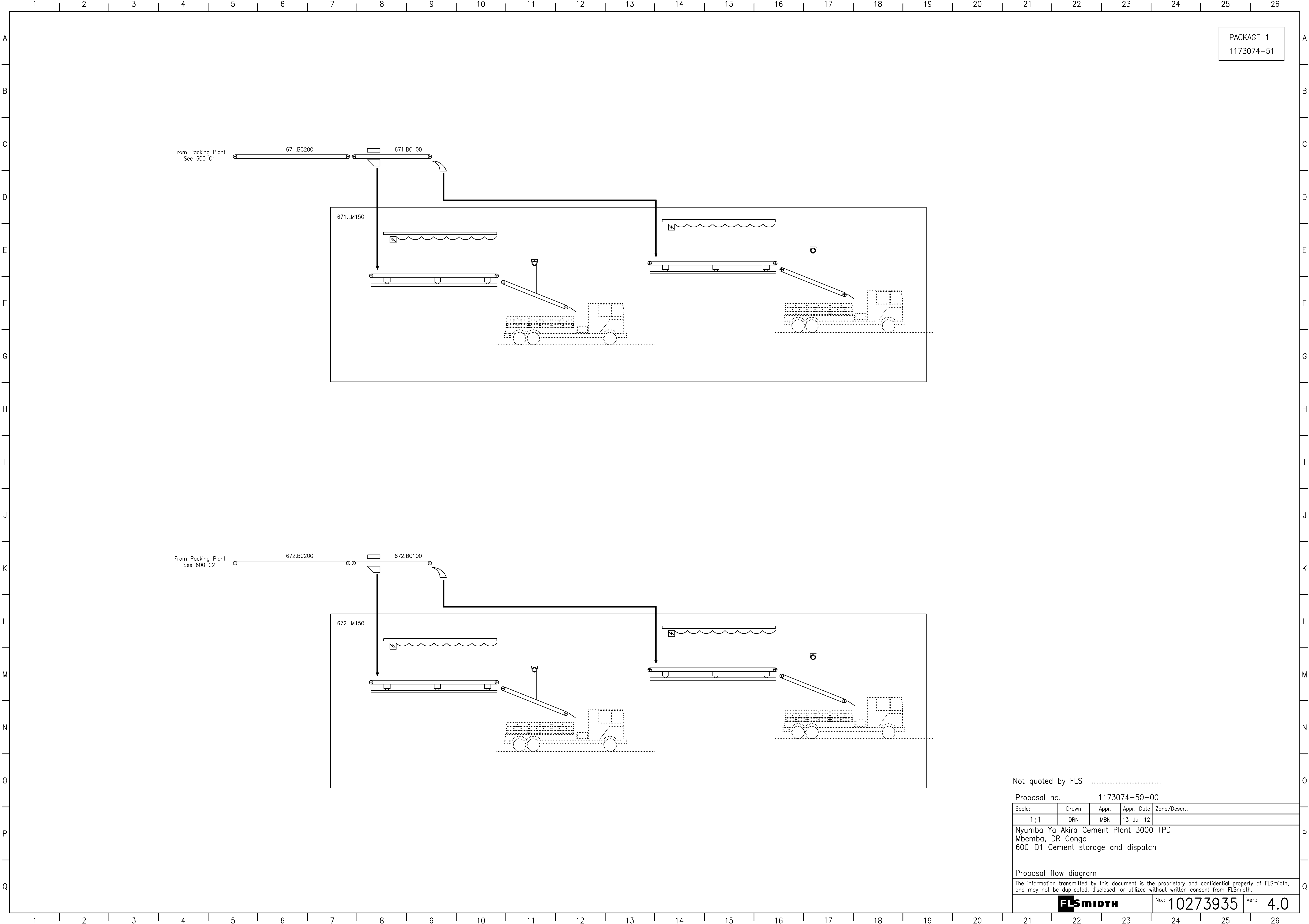
PACKAGE 1
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Proposal no. 1173074-50-00				
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Nyumba Ya Akira Cement Plant 3000 TPD Mbemba, DR Congo 600 C1 Cement storage and dispatch				
Proposal flow diagram				
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Proposal no. 1173074-50-00				
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Proposal flow diagram				
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Scale:	Drawn	Appr.	Appr. Date	Zone/Descr.:
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Nyumba Ya Akira Cement Plant 3000 TPD
Mbemba, DR Congo
600 D1 Cement storage and dispatch

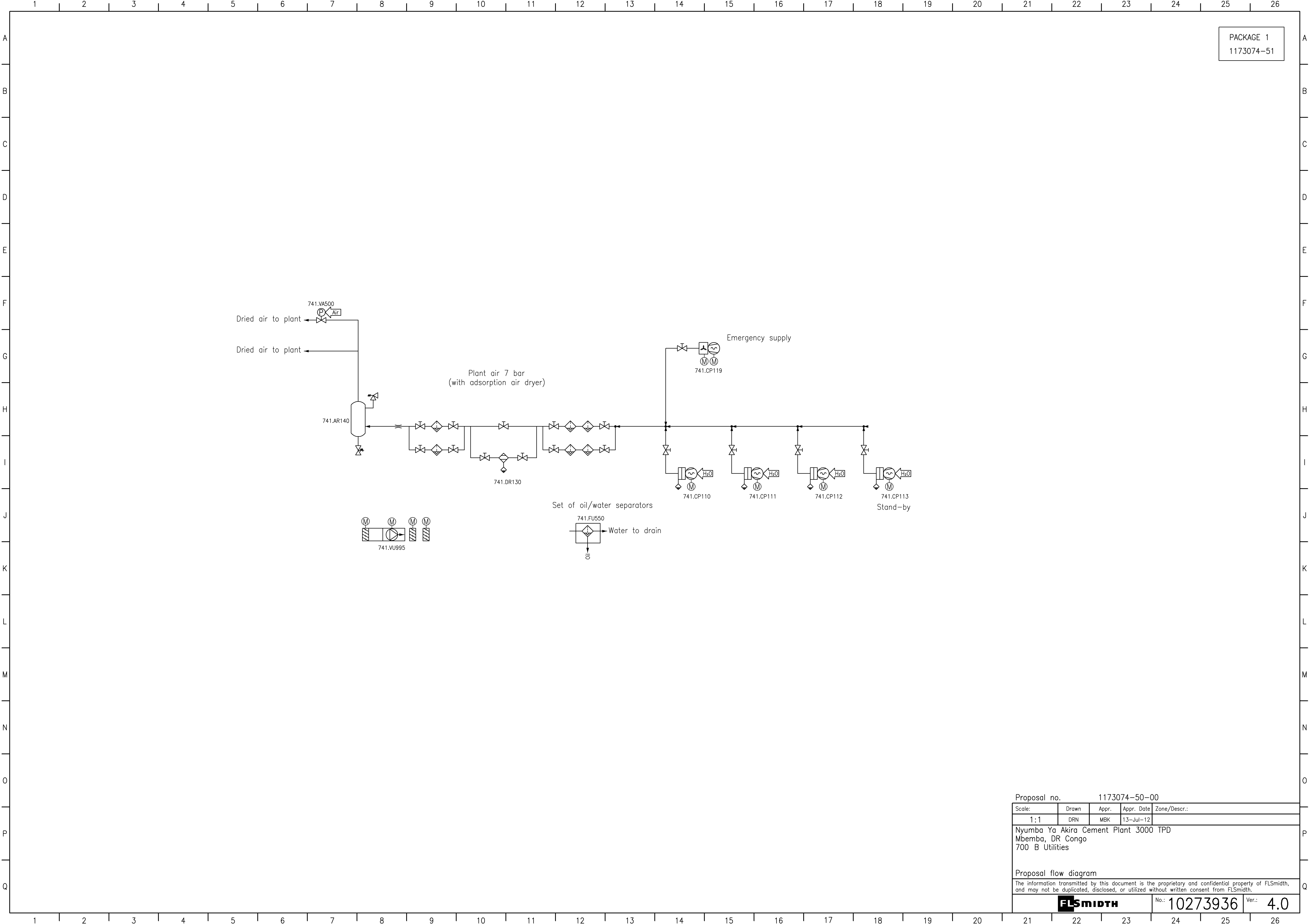
Proposal flow diagram

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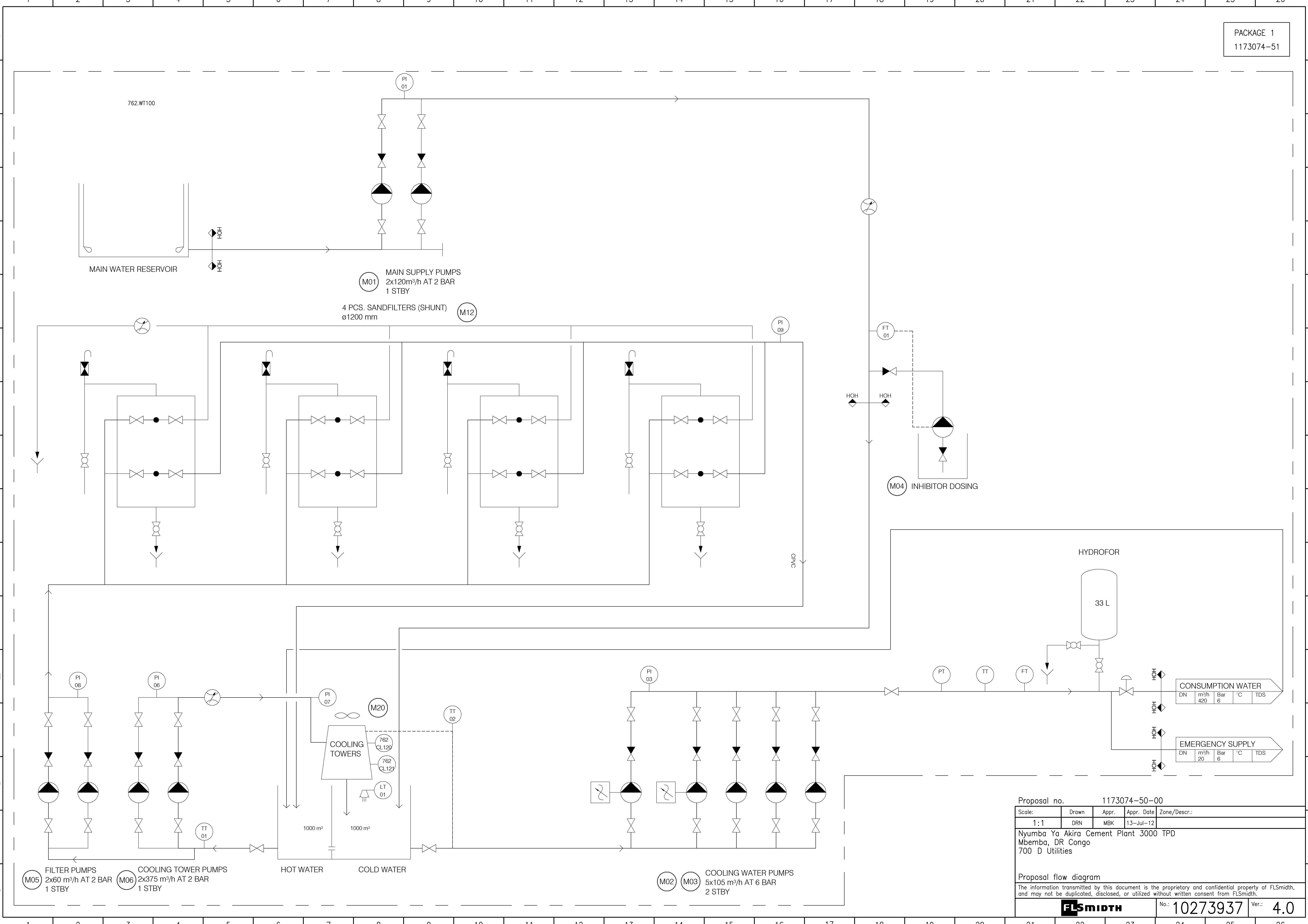
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Proposal no. 1173074-50-00

Scale:	Drawn	Appr.	Appr. Date	Zone/Descr.:
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Nyumba Ya Akira Cement Plant 3000 TPD Mbemba, DR Congo 700 B Utilities				
Proposal flow diagram				
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Proposal no. 1173074-50-00				
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Proposal flow diagram				
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