



Amendment to the Concrete Control Plans for silo replacement.

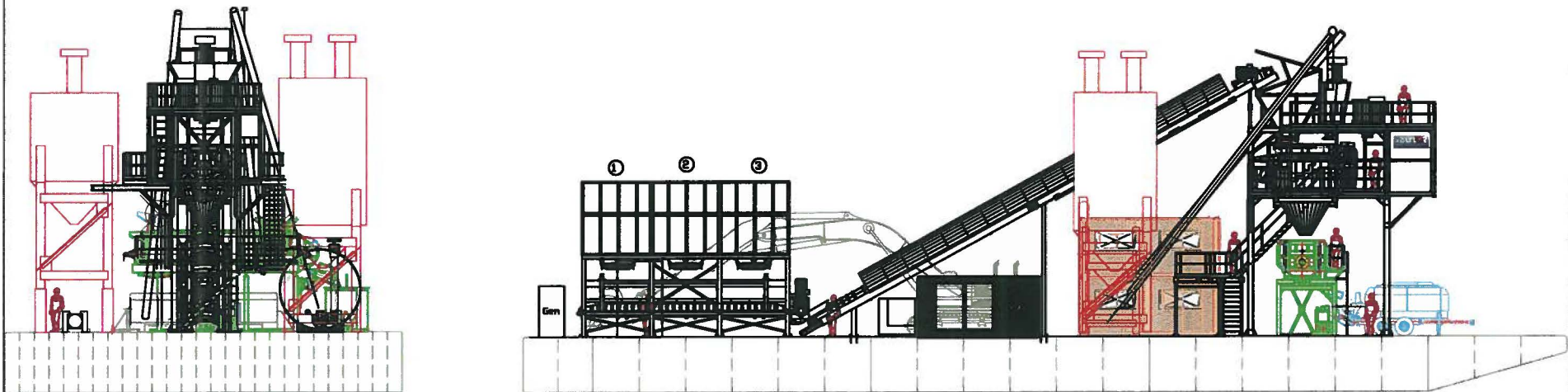
TZC is replacing the original concrete batch plants' three 65 Ton silos with one 52 Ton silo and one 82 Ton split silo per plant. This will be done on batch plant 1 & 2, they will have identical equipment.

The silos will be equipped with 99.9% efficient WAM SILOTOP R03 Dust collectors. Each silo will have High and Low level indicators with lights and an emergency jamgate to stop the flow of product out of the silo in an emergency.

Attached is the revised barge drawings for GA100-103 in APPENDIX B and dust collection specifications.

Revised APPENDIX B
Barge Drawings and Airflow Diagrams

- **Drawing GA100 Batch Plant Plan view**
- **Drawing GA101 Batch Plant Profile view**
- **Drawing GA102 Airflow Diagram**
- **Drawing GA103 Barge Layout in Production**
- **Drawing GA104 No Change**
- **Drawing GA105 No Change**
- **Drawing GA106 No Change**



February 6, 2015 C:\Users\Nabil874\Desktop\TDC\CAD\Concrete Control Plan Drawing.dwg

ALTERED BY:	APPROVED BY:
SIGNATURE: (STAMP)	SIGNATURE: (STAMP)

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY, IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED. THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION."



NEW YORK STATE THRUWAY AUTHORITY
DEPARTMENT OF ENGINEERING
200 SOUTHERN BLVD., ALBANY, NY 12209

TITLE OF PROJECT: THE NEW NY BRIDGE CONTRACT NUMBER: D214134

LOCATION OF PROJECT: MILEPOST 14.87 +/- IN ROCKLAND & WESTCHESTER COUNTIES



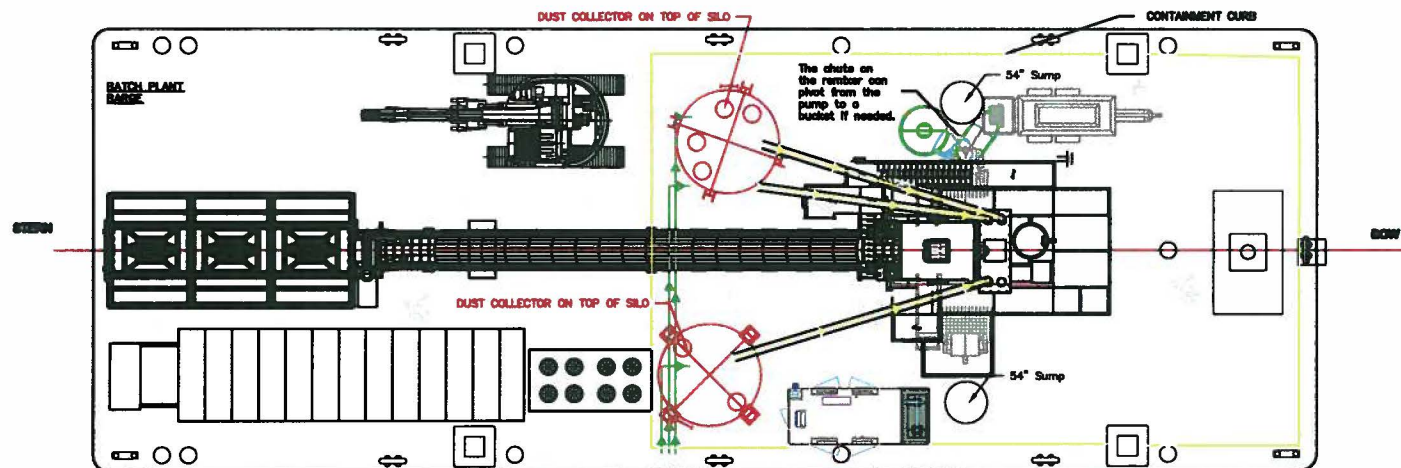
REVISIONS				
REV	DATE	BY	CHKD	DESCRIPTION
1	2/4/2015			NEW SILD

DESIGNED BY: WED
DESIGN CHK BY: MMO
DRAWN BY: WED
DRAWING CHK BY: MMO
SUPERVISOR: MMO

TITLE OF DRAWING:
Batch Plant Profile View

DATE: **2/4/2015**
DRAWING NUMBER: **GA101**
REVISION: **1**

DOCUMENT TRACKING CODE



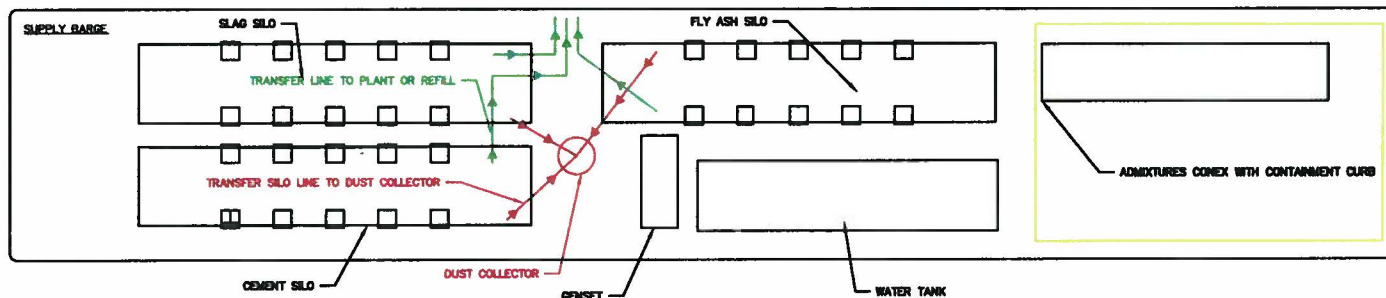
Legend:

The Green transfer line is the flow of material from the supply barge silo's to the plant plant barge silo's when unloading. Once material is in the plant barge silo's it will be conveyed to the plant through augers shown in yellow.

The Green transfer line on the supply barge double as the fill lines when taken to land.

The Red line are the vent lines used to vent air pressure when loading or unloading to capture the dust in the vented air.

Items labeled dust collector in RED are points where vented pressure will capture dust from the either end of this closed system.



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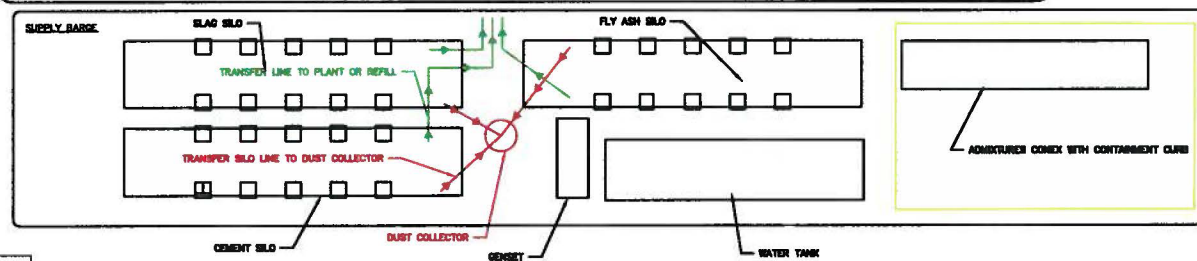
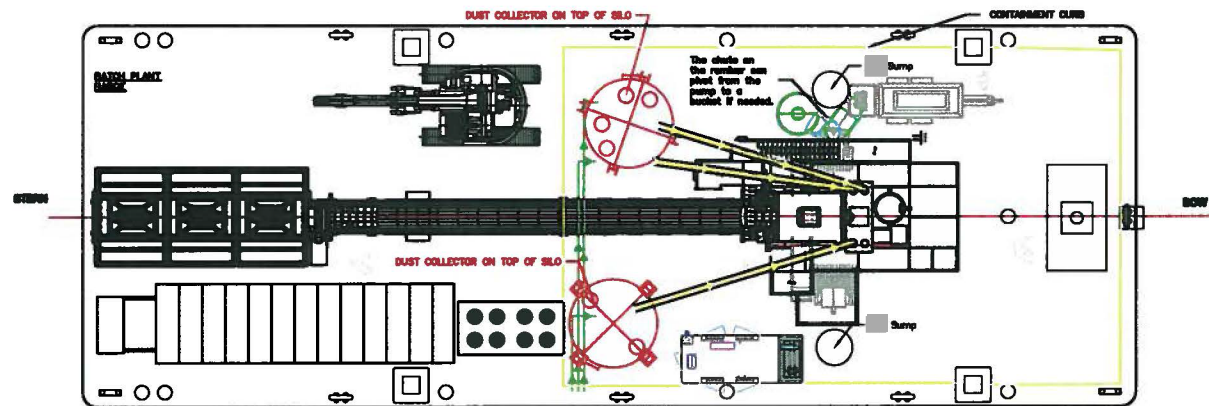
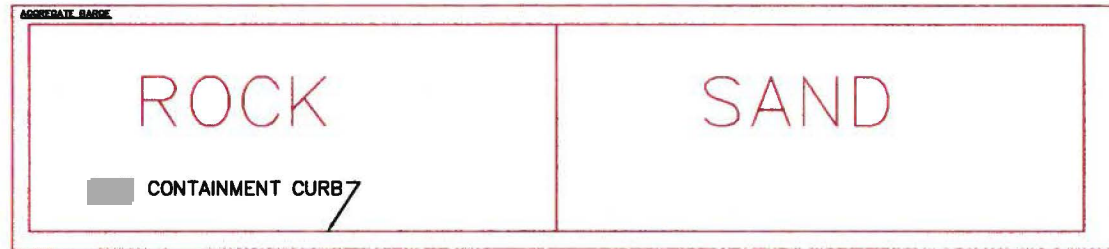
REVISIONS			
REV	DATE	BY	DESCRIPTION
1			NEW SILO

DESIGNED BY:	WED
DESIGN CHK BY:	MMO
DRAWN BY:	WED
DRAWING CHK BY:	MMO
SUPERVISOR:	MMO

TITLE OF DRAWING:	Air Flow Diagram
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DATE:	2/4/2015
DRAWING NUMBER:	GA102
REVISION:	1

Barge Layout in Production.



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DEPARTMENT OF ENGINEERING
200 SOUTHERN BLVD., ALBANY, NY 12209

TITLE OF PROJECT: THE NEW NY BRIDGE
CONTRACT NUMBER: D214134

LOCATION OF PROJECT: MILEPOST 14.87 41-IN
ROCKLAND & WESTCHESTER COUNTIES



REVISIONS				
REV	DATE	BY	CHK	DESCRIPTION
1	2/4/2015			NEW SILO

DESIGNED BY: WED
DESIGN CHK BY: MMD
DRAWN BY: WED
DRAWING CHK BY: MMD
SUPERVISOR: MMD

TITLE OF DRAWING:
Barge Layout in Production

DATE:
2/4/2015

DRAWING NUMBER:
GA103

REVISION:
1

DEPARTMENT of ENVIRONMENTAL PROTECTION BUREAU
of NEW SOURCE REVIEW
CONTROL DATA SHEET
DUST COLLECTOR

MANUFACTURER: _____ WAM _____

MODEL: _____ SILOTOP R03 _____

SPECIFY _____ BAGHOUSE
_____ ☒ CARTRIDGE
_____ OTHER _____

NUMBER OF BAGS OR CARTRIDGES: _____ 7 _____

SIZE OF BAG OR CARTRIDGE: _____ 36"H X 16.5"L X 2"W _____

TOTAL BAG OR CARTRIDGE AREA (FT²) _____ 264 _____

MAXIMUM CAPACITY (ACFM) _____ 1500 _____

BAG OR CARTRIDGE FABRIC _____ SPUNBOUND POLYESTER _____

FABRIC WEIGHT (oz) _____ 8 _____

WEAVE _____ 10 MICRON _____

FINISH _____ COATED _____

MAXIMUM FABRIC TEMPERATURE _____ 175 DEGREES (F) _____

EFFICIENCY (%) _____ 99.9% _____

AIR TO CLOTH RATIO _____ 6:1 _____

METHOD OF CLEANING: _____ REVERSE AIR
_____ ☒ PULSE JET
_____ SHAKER

OPERATING PRESSURE DROP: MIN _____ 4 _____ MAX _____ 8 _____ (INCHES OF WATER)

PARTICULATE GRAIN LOADING: INLET _____ 30 _____ OUTLET _____ .01 _____

FAN REQUIREMENTS HP _____
SCFM _____
VENTING ☒ _____



WAM[®] S.p.A.
EQUIPMENT FOR HANDLING POWDER
AND GRANULAR MATERIALS

Via Cavour, 338
I-41030 Ponte Motta - Cavezzo (MO)
Tel 0535/618111 - Fax 0535/618226 -
E-Mail: info@wam.it

EMISSIONS **REVERSE JET FILTER**

TYPE: **SILOTOP[®]R0**

WAM[®] S.p.A. certify that the filter SILOTOP[®]R0 has been designed for use with cement powder.

The level of dust emissions will not exceed 10 milligrams per cubic metre provided that the filter elements are installed, operated & maintained in accordance with the operating and maintenance instructions (Catalogue N° 03505.02.M), that filtering elements and other components (when replaced) are of WAM[®] manufacture.

Tests have been carried out on the basis of the following parameters:

Test number: 3236
Dust type: Cement
Test Points: Dirty air inlet and clean air outlet
Dust filter type: SILOTOP[®]R0
Filtering Surface: 24.5 m²
Filtering Media: Polyester Spunbonded 280gr/m²

OPERATION TIME (minutes)	DUST CONCENTRATION (mg/Nm ³)		AIR VOLUME (Nm ³ /h)	TEMP. (°C)
	DIRTY AIR INLET	CLEAN AIR OUTLET		
40	15750	2.65	1190	20

99,999%

Pivetti Fabio
Filter Product Manager
WAM S.p.a.