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SUBSTRATE
DIGESTION
DIGESTATE
BIOGAS
HEATING SYSTEM
ON/OFF SIGNALS
ANALOG SIGNALS

CH4 DETECTOR RECEPTION ROOM AT03
CH4 DETECTOR GENERATOR ROOM AT04
ALARM LIGHT YL01
ALARM HORN SND

CROP

FOG + SSO + OTHER ORGANICS

MANURE

FLOOR DRAIN
ONLY FOR WATER
AND ORGANIC WASTE
(GRATE ON TOP OF THE TANK)

RECEPTION TANK #1
RTK01
9 000 GAL.
Dia.= 10'6"
Height= 15'

RECEPTION TANK #2
RTK02
9 000 GAL.
Dia.= 10'6"
Height= 15'

RECEPTION TANK #3
RTK03
9 000 GAL.
Dia.= 10'6"
Height= 15'

PASTEURIZER
PAS01
1250 GAL.
9'6"x6'x5'

PREPARATION TANK
PTK01
16 000 GAL.
Dia.= 15'
Height= 12'
(1-3 Hours)

HYDROLYZER
HYD01
106 000 GAL.
Dia.= 29'6"
Height= 26'3"
(3-6 Days)

DIGESTER
DIG01
317 000 GAL.
Dia.= 49'
Height= 49'9"
(21-42 Days)
CAS=93 000 GAL.

HOT WATER TANK #1 WITH GLYCOL
HTK01
160°F
150 GAL.

HOT WATER TANK #2 WITH GLYCOL
HTK02
194°F
25 GAL.

SOLID/LIQUID SEPARATOR
SLS01
10 HP

LIQUID DIGESTATE TANK #1
DTK02
800 GAL.

LIQUID DIGESTATE TANK #2
DTK03
115 000 GAL.
Dia.= 29'6"
Height= 30'9"
(7 DAYS)

SOLID DIGESTATE ROOM
160 T.
(14 DAYS)

LOADER

WATER TRAP

Biogas Sample

TO FLAIR FROM 2G CENERGY

GAS COOLING DESHUMIDIFIER FROM 2G CENERGY DWG #

HEATING DWG #120911_R+I_FILEBILD_370BG_STANDARD_G3223

To College

From College

EXTERNAL WATER

*NOTE:
VENT SHOULD BE OUTSIDE OF THE BUILDING.

REV.	DATE	REVISION OBJECT	PROJECT #	RESSOURCE	DRAWER	ENGINEER	DIQ #
00	2013/01	INITIAL CONCEPTION	VTC1	GTQ	IQ.B.	N/A	N/A

THIS PLAN REPRESENT THE ORIGINAL WORK AND / OR REVISED WORKERS REGISTERED IN THE CARTRIDGE

dwg. NUMBER	TITLE
X	
X	
X	
X	
X	
X	
X	
X	

NOTE & LEGEND

REFERENCE DRAWING

DESIGN ENGINEER
DIQ # DATE

LE GROUPE GÉNITIQUE

PROJECT NUMBER BIO12-073

GERALD TREMBLAY 2012/11 DESIGNED BY DATE
IAN-OLIVIER BERGERON 2012/11 DRAWED BY DATE
GERALD TREMBLAY 2012/11 CHECKED BY DATE

PROJECT TITLE: VTC1
PROJECT NUMBER NTS
SCALE

VERMONT TECHNICAL COLLEGE
PROCESS CONTROL
SCHEMATIC

BIO-MÉTHATECH VALORISATION DE MATIÈRES RÉSIDUELLES

Bio-Méthatech inc.
85 St-Paul O. bur.500
Montréal, H2Y 3V4
Canada, Qc

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