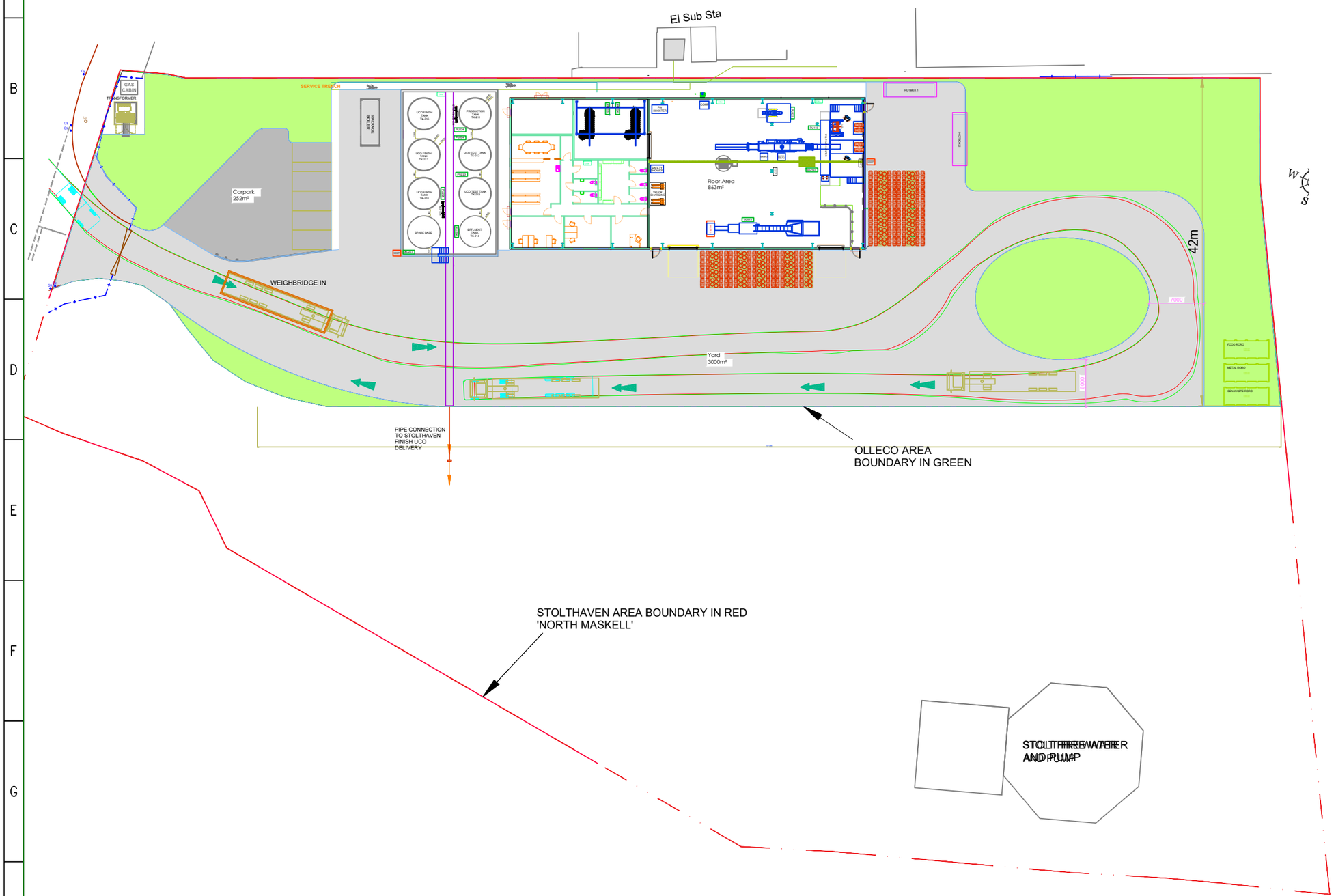


NOTES:

1.

Rev.	Date	Drwn.	Chkd	Appr	Description
1	[illegible]	CB	AS		DRAFT

Client
OLLECO
DAGENHAM

Project
DAGENHAM_UCO_PROCESSING

Drawing Title
Dagenham GA

Drawn	Scale	Date
C.B.	N.T.S	25.MAY.23

Checked | Approved

MASTER | A1

Drawing No. RM9_TI_PID_000 | Revision. 1

SYMBOL	DESCRIPTION
	PROCESS LINE
EH	LINE WITH ELECTRICAL TRACING (WINTERIZING OR PROCESS)
CC,HC,PP	INSULATION, CC=COLD CONSERVATION HC=HEAT CONSERVATION PP=PERSONNEL PROTECTION
	ELECTRIC SIGNAL LINE
	INTERNAL SYSTEM LINK(SOFTWARE OR DATALINK)
	PNEUMATIC SIGNAL LINE
	CAPILLARY TUBE
	MECHANICAL LINKAGE
SPEC 1 SPEC 2	SPECIFICATION BREAK
	BUILDING BOUNDARY
	SIGHTGLASS
	SIGHTGLASS WITH WIPER
	STEAM/GAS TRAP
	FLOW ARROW
	UNION
	BLIND FLANGE
	SCREWED CONNECTION
OPSIZE	ORIFICE PLATE
	SPECTACLE BLIND OPEN
	SPECTACLE BLIND CLOSED
	SPADE
	SPACER
	FLANGE CONNECTION
	HOSE COUPLING
	CAP
	REDUCER CONCENTRIC
	REDUCER ECCENTRIC, TOP FLAT
	REDUCER ECCENTRIC, BOTTOM FLAT
	Y-TYPE STRAINER
	FUNNEL (TO SEWER, GUTTER, ETC.)
	FLANGE LEAK PROTECTION
X.XXX	FALL/SLOPE
TP ...	TIE-IN POINT
	STATIC MIXER
	FLEXIBLE HOSE
	EXPANSION BELLOW
	SANITARY COUPLING /REMOVABLE PROBE CONNECTION
	DRAIN/WEEP HOLE
	SPRAY NOZZLE/CLEANING APPARATUS
	OPEN VENT
	VORTEX BREAKER
	PULSATION DAMPER
	BUNDED WALL AREA

SYMBOL	DESCRIPTION
E	ELECTRIC IMMERSION HEATER
	PLATE HEAT EXCHANGER
	BAG FILTER
	BASKET FILTER
	POSITIVE DISPLACEMENT PUMP
	CENTRIFUGAL PUMP
	DIAPHRAGM PUMP
	SCREW PUMP
	BLOWER
	VACUUM PUMP
M	ELECTRIC MOTOR
	PROPELLER, VENTILATOR OR AGITATOR
	JETMIXER
	STEAM EJECTOR
	VALVE
	GATE VALVE
	DIAPHRAGM VALVE
	VALVE, NORMALLY CLOSED
	BALL VALVE
	GLOBE VALVE
	BALL VALVE, NORMALLY CLOSED
	3-WAY VALVE
	BUTTERFLY VALVE
	NEEDLE VALVE
	V NOTCH BALL VALVE
	CHECK VALVE
	SPRING RETURN VALVE
	SPING LOADED RELIEF VALVE
	AUTOMATIC BREATHER VALVE (PRESSURE & VACUUM, PV)
	BURSTING DISC
SP 1001	SAMPLE POINT

SYMBOL	DESCRIPTION
	AIR ACTUATED VALVE (FAIL SAFE CLOSE)
	AIR ACTUATED VALVE (FAIL SAFE OPEN)
S	SOLENOID VALVE
..	CONTROL VALVE (DIAPHRAGM OPERATED)
.. ...	DOWNSTREAM PRESSURE CONTROLLER WITH INTERNAL IMPULSE LINE
FV	MINIMUM FLOW VALVE
.. ... x	FLOW METER, x = TYPE C = CORIOLIS M = MAGNETIC V = VORTEX T = TURBINE
.. ...	FIXED ORIFICE
	ROTAMETER
	EARTHING
	INSULATION ON EQUIPMENT
	SINGLE ELEMENT SENSOR
	PNEUMATIC BALL FLOAT LEVEL
ESD	EMERGENCY SHUT DOWN ACTIVATION
PSD	INITIATES PROCESS SHUT DOWN SEQUENCE
	FLASHING BEACON
	ALARM SIREN
TYPE	VIRTUAL INSTRUMENTS IN SCADA/DCS e.g. FLOW METERS PID CONTROLLERS TOTALISERS DISPLAYS
PSL XXXX PCV XXXX	COMPRESSED AIR PRESSURE REGULATOR SET
	FILTER AUTO DRAIN WITH MANOMETER
	FLOW SENSOR POSITIVE DISPLACEMENT

TO EQUIPMENT/LINE DRAWING NUMBER	FLOW TO EQUIPMENT/LINE ON OTHER DRAWING
TO EQUIPMENT/LINE DRAWING NUMBER	FLOW FROM EQUIPMENT/LINE ON OTHER DRAWING

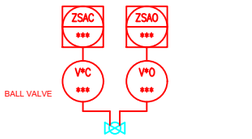
ABBREVIATIONS

A/S	AIR SUPPLY (TO SOLENOIDS)
BD	BURSTING DISC
BEL	BELLOWS
BF	BLIND FLANGE
BU	BUND (UNLINED)
BUL	BUND WITH CHEMICAL RESITANT LINING
C	CLOSED
CSD	CRITICAL SAFETY DEVICE
D	DRAIN
DB	EXPANSION BELLOW
DN	DIAMETER NOMINAL
DP	DIFFERENTIAL PRESSURE
EL	ELEVATION
EP	ELECTRICAL TRACING, PROCESS
ERV	EMERGENCY RELIEF VALVE
ESD	EMERGENCY SHUT DOWN
FB	FULL BORE
FC	FAIL CLOSE FLC FULL LOAD CURRENT
FH	FLEXIBLE HOSE
FO	FAIL OPEN
FP	FLUSHING POINT
H	HIGH
HH	HIGH HIGH
I	INTERLOCK
I/P	SIGNAL TO PNEUMATIC CONVERTOR
ID	INNER DIAMETER
L	LEVEL CONNECTION/LOW
LC	LOCKED CLOSE
LL	LOW LOW
LO	LOCKED OPEN
LP	LINED PIPE
MAX	MAXIMUM DISTANCE
MIN	MINIMUM DISTANCE
MW	MANWAY
NB	NOMINAL BORE
NC	NORMALY CLOSED
NC	NORMALY OPEN
NNF	NOT NORMAL FLOW
OD	OUTER DIAMETER
OP	ORIFICE PLATE
OSBL	OUTSIDE BATTERY LIMIT
P	PRESSURE CONNECTION
PSD	PROCESS SHUT DOWN
RB	REDUCED BORE P POWER
ROT	ROTAMETER
RS	REMOVABLE SPOOL
SBT	SMALL BORE TUBING
SG	SIGHT GLASS
SIL	SAFETY INTEGRITY LEVEL
SL	SAFE LOCATION
SP	SET POINT
ST	STEAM TRAP
T	TEMPERATURE CONNECTIONS
TP	TIE IN POINT
V	VENT
X	VENDOR PACKAGE UNIT
YS	Y TYPE STRAINER
XPS	PIPING SPECIAL

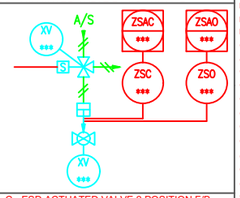
VALVE TYPES

VB	BALL VALVE
VF	BUTTERFLY VALVE
VC	CHECK VALVE
VD	DIAPHRAGM VALVE
VG	GATE VALVE
VGL	GLOBE VALVE
VN	NEEDLE VALVE/ V NOTCH BALL
VT	THREE WAY VALVE
VV	VENT VALVE
XV	ACTUATED VALVE
FV	FOOT VALVE
PRV	PRESSURE RELIEF VALVE
PV	PRESSURE & VACUUM VALVE

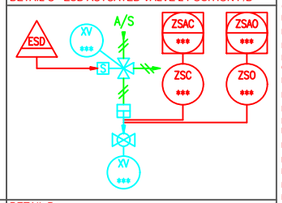
DETAIL A - MANUAL VALVE 2 POSITION F/B



DETAIL B - ACTUATED VALVE 2 POSITION F/B



DETAIL C - ESD ACTUATED VALVE 2 POSITION F/B



DETAIL D -

INSTRUMENT IDENTIFICATION

	FIRST LETTER: MEASURED OR INTIATING VARIABLE	FIRST LETTER: MODIFIER	SUCCEEDING LETTERS: READOUT OR PASSIVE FUNCTION	SUCCEEDING LETTERS: OUTPUT FUNCTION	SUCCEEDING LETTERS: MODIFIER
A	ANALYSIS		ALARM		
B	BURNER, COMBUSTION		USER'S CHOICE	USER'S CHOICE	USER'S CHOICE
C	USER'S CHOICE (TYPICALLY CONDUCTIVITY-ELECTRICAL)			CONTROL	
D	USER'S CHOICE (TYPICALLY DENSITY OR SPEC. GRAV.)	DIFFERENTIAL			
E	VOLTAGE		SENSOR (PRIMARY ELEMENT)		
F	FLOW	RATIO (FRACTION)			
G	USER'S CHOICE OR GAUGING (DIMENSIONAL)		GLASS, VIEWING DEVICE		
H	HAND				HIGH
I	CURRENT (ELECTRICAL)		INDICATE		
J	POWER	SCAN		CONTROL STATION	
K	TIME, TIME SCHEDULE	TIME RATE OF CHANGE			
L	LEVEL		LIGHT		LOW
M	USER'S CHOICE (TYPICALLY MOISTURE OR HUMDITY	MOMENTARY			MIDDLE, INTERMEDIATE
N	USER'S CHOICE		USER'S CHOICE	USER'S CHOICE	USER'S CHOICE
O	USER'S CHOICE		ORIFICE, RESTRICTION		
P	PRESSURE, VACUUM		POINT(TEST) CONNECTION		
Q	QUANTITY	INTERGRATE, TOTALIZE			
R	RADIATION		RECORD		
S	SPEED, FREQUENCY	SAFETY		SWITCH	
T	TEMPERATURE			TRANSMIT	
U	MULTIVARIABLE		MULTIFUNCTION	MULTIFUNCTION	MULTIFUNCTION
V	VIBRATION, MECHANICAL ANALYSIS			VALVE, DAMPER LOUVER	
W	WEIGHT, FORCE		WELL		
X	UNCLASSIFIED	X AXIS	UNCLASSIFIED	UNCLASSIFIED	UNCLASSIFIED
Y	EVENT, STATE OR PRESENCE	Y AXIS		RELAY, CALC, CONVERT	
Z	POSITION, DIMENSION	Z AXIS		DRIVER, ACTUATOR, UNCLASSIFIED FINAL CONTROL ELEMENT	

GENERAL INSTRUMENT OR FUNCTION SYMBOLS

	PRIMARY LOCATION ***NORMALLY ACCESSIBLE TO OPERATOR	FIELD MOUNTED	AUXILIARY LOCATION *** NORMALLY ACCESSIBLE TO OPERATOR
DISCRETE INSTRUMENTS	1 * IP1**	2	3
SHARED DISPLAY, SHARED CONTROL	4	5	6
INTERLOCK	7	8	9

* SYMBOL SIZE MAY VARY ACCORDING TO THE TYPE OF DOCUMENT. A SUGGESTED SIZE FOR LARGE DIAGRAMS IS SHOWN. CONSISTENCY IS RECOMMENDED.

** ABBREVIATIONS OF THE USER'S CHOICE SUCH AS IP1 (INSTRUMENT PANEL#1), CC3 (COMPUTER CONSOLE #3), ETC., MAY BE USED TO SPECIFY INSTRUMENT OR FUNCTION LOCATION.

*** NORMALLY INACCESSIBLE OR BEHIND-THE-PANEL DEVICES OR FUNCTIONS MAY BE DEPICTED BY USING THE SAME SYMBOL BUT WITH DASHED HORIZONTAL BARS,

INSTRUMENT SYMBOL DEFINITION

TYPE
FIRST CAPITAL LETTER IS THE MEASURED VARIABLE CODE
AN ADDITIONAL MODIFIER LETTER IS ADDED WHEN REQUIRED.
FOLLOWING LETTERS ARE THE FUNCTION CODES

NUMBER
UNIQUE FOUR DIGIT SERIAL NUMBER.
SERIAL NUMBERS TO START WITH
DESIGNATED AREA CODE AS FOLLOWS
1XXX - BIODIESEL PLANT
2XXX - WFE
3XXX - PLANT ROOM
4XXX - MONG
5XXX - AD PLANT
6XXX - UCO
7XXX - AVAILABLE
8XXX - AVAILABLE
9XXX - AVAILABLE

TYPE NUMBER <ALARM H> <SUFFIX> <ALARM L>

<ALARM H>
H = HIGH SWITCH/ ALARM POINT
HH = HIGH-HIGH SWITCH/ ALARM POINT
O = OPEN POSITION
H-SEL = HIGH SIGNAL SELECTOR
H-LIM = HIGH SIGNAL LIMITER

<SUFFIX>
RESET = RESET FUNCTION
OOS = OPERATIONAL OVERRIDE SWITCH
1OO2 = ONE-OUT-OF-TWO CONFIGURATION
2OO2 = TWO-OUT-OF-TWO CONFIGURATION
2OO3 = TWO-OUT-OF-THREE CONFIGURATION
MOO3 = MIDDLE-OUT-OF-THREE CONFIGURATION

<ALARM L>
L = LOW SWITCH/ ALARM POINT
LL = LOW-LOW SWITCH/ ALARM POINT
C = CLOSED POSITION
L-SEL = LOW SIGNAL SELECTOR
L-LIM = LOW SIGNAL LIMITER

FLUID CODES

ATF	ANTI FOAM
BIG	BIOGAS (UNTREATED)
BIM	BIOMASS
BIO	BIODIESEL
BNG	BIOGAS (TREATED)
CAU	CAUSTIC SODA
CBG	BIOGAS CONDENSATE
CIA	COMPRESSED INSTRUMENT AIR
CIP	CLEAN IN PLACE SOLUTION
CO2	CARBON DIOXIDE
CON	STEAM CONDENSATE
CPA	COMPRESSED PLANT AIR
CRW	COLLECTED RAIN WATER
CTA	CITRIC ACID
CTR	COOLING TOWER WATER RETURN
CTS	COOLING TOWER WATER SUPPLY
CWR	COOLING WATER RETURN
CWS	COOLING WATER SUPPLY
DIG	DIGESTATE
EFF	EFFLUENT
FCL	IRON III CHLORIDE
FWS GLY	FOOD WASTE SLURRY GLYCEROL
HPS	HIGH PRESSURE STEAM (>10BARG)
HWR	HOT WATER RETURN
HWR	HOT WATER SUPPLY
HYF LFW	HYDRAULIC FLUID LIQUID FOOD WASTE
LPG	LIQUIFIED PETROLEUM GAS (PROPANE UNLESS STATED)
LPS	LOW PRESSURE STEAM (<10BARG)
MCT	MERCAPTAN
MET	METHANOL
NGM	NATURAL GAS MAINS
NIT	NITROGEN
PIT	PITCH
PMT	POTASSIUM METHYLATE
POT	POTABLE WATER
PPA	PHOSPHORIC ACID
PWA	PROCESS WATER
ROW	REVERSE OSMOSIS WATER
SFA SHY	SULHPURIC ACID/MSA SODIUM HYDROXIDE
TEL	TRACE ELEMENT MIXTURE
THO	THERMAL OIL
UCO	USED COOKING OIL
VNT	AIR VENT TO ATMOSPHERE
WTC	WATER TREATMENT CHEMICALS (MIXED BOILER TREATMENT CHEMICALS)

LOCATION CODES

AD	ANAEROBIC DIGESTOR
BD	BIODIESEL BUILDING
BR	BANKHALL LANE ROOF
BY	BANKHALL LANE YARD
BX	BANKHALL LANE WAREHOUSE (X=1,2,3,4 or 5)
CH	CHP PACKAGE
CP	CAR PARK
DP	DE PACKAGING
ET	EFFLUENT TREATMENT
FP	FUEL PREP PLANT
FS	FOSTER STREET
GC	GAS CLEANING
GE	GRID ENTRY UNIT
GS	GAS STORAGE
HZ	HAZARDOUS TANK FARM (INC. LPG STORAGE)
IP	IMPORT PLANT
LB	LABORATORY
MS	MAINTENANCE STORES
MW	MAINTENANCE WORKSHOP
OF	OFFICES
PA	PASTEURISERS
PP	PILOT PLANT
PR	PLANT ROOM
SR	SWITCH ROOM
TX	TALLOW PROCESSING (X=CAT1,2 or 3)
TF	TANK FARM
UC	USED COOKING OIL
WH	WAREHOUSE

LINE NUMBER IDENTIFICATION

LINE NUMBER IDENTIFICATION
80-MET-16SS1-L-HZ-0001
- UNIQUE NUMBER
- PIPE LOCATION
- LAGGED (L)/UNLAGGED(U)
- PIPE SPECIFICATION
- PIPE PRESSURE RATING (BARG)
- FLUID
- NOMINAL DIAMETER PIPE(MM)

PIPE SPECIFICATIONS - MATERIALS

SS1 - 304 STAINLESS STEEL UPTO 16 BARG
SS2 - 316 STAINLESS STEEL UPTO 16 BARG
CS1 - CARBON STEEL UPTO 16 BARG
CS2 - CARBON STEEL UPTO 40 BARG
GS - GALVANISED STEEL/CAST IRON
ST1 - 304 SS CFTUBE UPTO 15MM NB
ST2 - 316 SS CF TUBE UPTO 15MM NB
ABC - ABS CLASS C UPTO 9 BARG
ABD - ABS CLASS D UPTO 15 BARG
UPC - UPVC CLASS C UPTO 10BARG
UPE - UPVC CALSS EUPTO 15BARG
CU - COPPER
HA - HASTELLOY
PT - PTFE TUBE
LP - PTFE/PA LINED PIPE
PE - HDPE

NOTES:

1.

Rev.	Date	Drwn.	Chkd	Appr	Description
1	14/6/13	CB	AS		DRAFT

Client: OLLECO DAGENHAM

Project: DAGENHAM_UCO_PROCESSING

Drawing Title: TITLE

Drawn	Scale	Date
C.B.	N.T.S	25.MAY.23

Checked | Approved

MASTER | A1

Drawing No.: RM9_TI_PID_000 | Revision.: 1

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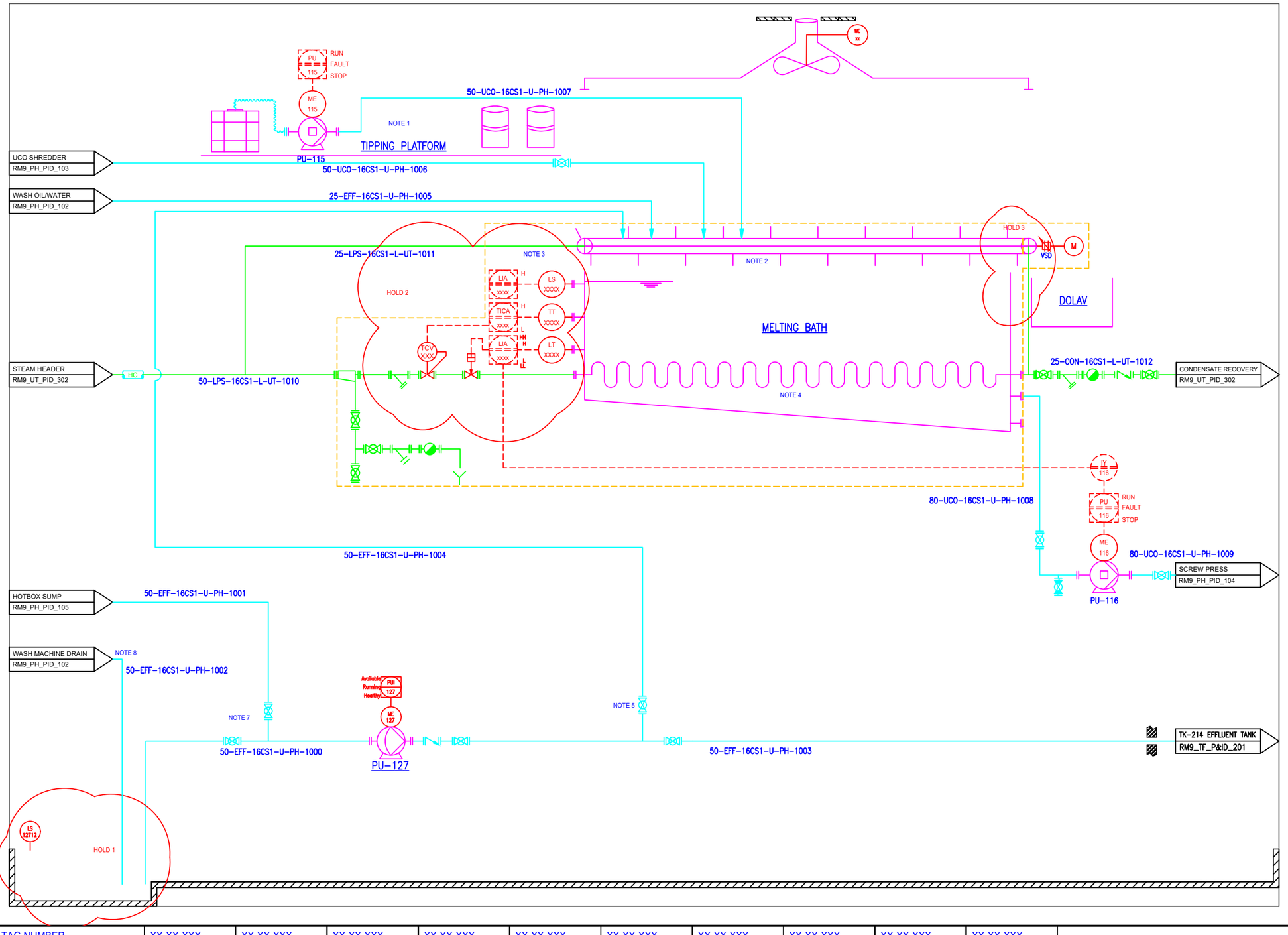

NOTES:

1. TIPPING PLATFORM IS A MANNED PLATFORM WHERE BINS ARE MANUALLY EMPTIED INTO THE MELTING BATH AND IBCS AND LARGER CONTAINERS ARE PUMPED OUT USING A FLEXIBLE HOSE
2. MESH FILTER INSTALLED OVER THE TOP OF THE MELTING BATH TO STOP LARGE DEBRIS ENTERING. CONVEYOR WITH SCRAPPING ARMS ROTATES OVER THIS MESH TO CLEAR IT AND RECOVER THE DEBRIS INTO A DOLAV.
3. CONVEYOR IS STEAM HEATED
4. MELTING BATH IS HEATED USING A STEAM COIL
5. OPERATORS UNLOCK VALVE TO CHOOSE TO SEND SUMP FLUIDS TO BATH.
6. ISOLATION FOR STEAM ON PREVIOUS DRAWING
7. VALVES USED TO SELECT YARD SUMP OR PROCESS SUMP FOR EMPTY
8. GRAVITY DRAIN FROM WASHING MACHINE

HOLDS:

1. PRODUCTION SUMP SIZE TO BE CONFIRMED
2. VENDOR TO CONFIRM DETAILS OF THE BATH AND CONTROL AROUND IT
3. VENDOR TO CONFIRM CONNECTION SIZES AND UTILITY REQUIREMENTS
4.
5.
6. EQUIPMENT DETAILS TO BE CONFIRMED
7.

Rev.	Date	Drwn.	Chkd	Appr	Description
1	14/4/13	CB	AS		DRAFT

Client: OLLECO DAGENHAM

Project: DAGENHAM_UCO_PROCESSING

Drawing Title: TIPPING

Drawn C.B.	Scale N.T.S	Date 25.MAY.23	
Checked	Approved		
MASTER			A1
Drawing No. RM9_PH_PID_101			Revision. 1

UNCONTROLLED IF PRINTED

TAG NUMBER	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX
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Type	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX
Medium	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
Operating/Design Pressure Barg (Max/Min)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)
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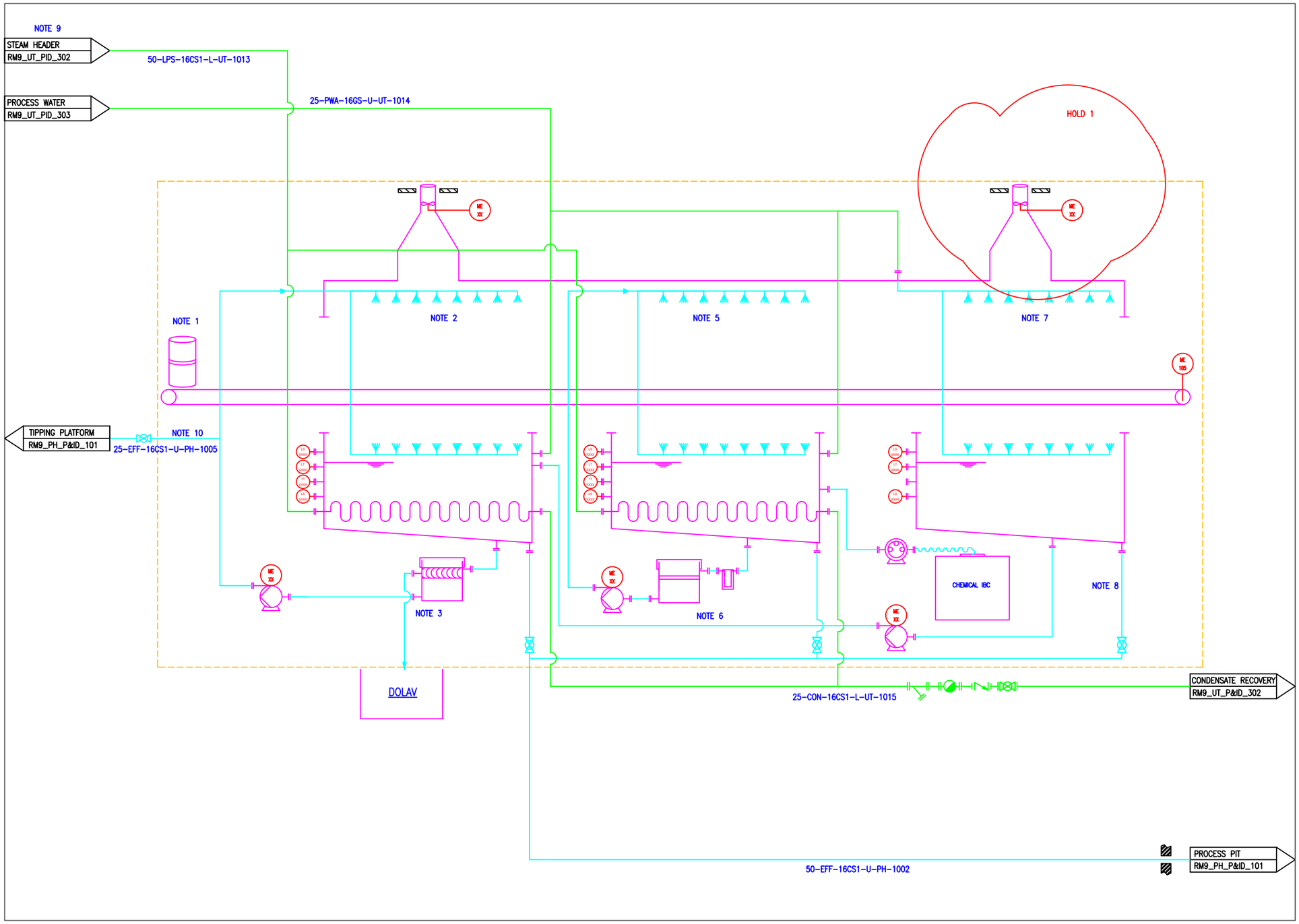
Duty/Capacity	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC
Dimensions D x H	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC



NOTES:

1. DRUM CONTENTS MANUALLY LOADED ONTO CONVEYOR
2. FIRST STAGE IS A PRE-WASH WITH HOT WATER
3. RE-CIRCULATED VIA BASKET FILTERS, GRAVITY DRAWER AND SELF CLEANING FILTER
4.
5. SECOND STAGE IS A HOT DETERGENT WASH
6. DETERGENT SOLUTION IS RE-CIRCULATED VIA FILTERS
7. FINAL STAGE IS AN AMBIENT WATER WASH
8. WATER IS SENT TO DRAINS OR RECOVERED TO THE FIRST STAGE
9. ISOLATIONS ARE SHOWN ON PREVIOUS DRAWING
10. WATER OIL MIX SENT TO BATH FOR OIL RECOVERY

HOLDS:

1. VENDOR DETAILS TO BE CONFIRMED - INCLUDING INSTRUMENTATION, CONTROL AND UTILITY REQUIREMENTS
2. EQUIPMENT DETAILS TO BE CONFIRMED

TAG NUMBER	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX
Name	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX
Type	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX
Medium	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
Operating/Design Pressure Barg (Max/Min)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)
Operating/Design Temperature oC (Max/Min)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)
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Dimensions D x H	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC

Rev.	Date	Drwn.	Chkd	Appr	Description
1	14/11/13	CB	AS		DRAFT

Client: OLLECO DAGENHAM

Project: DAGENHAM_UCO_PROCESSING

Drawing Title: WASHING MACHINE

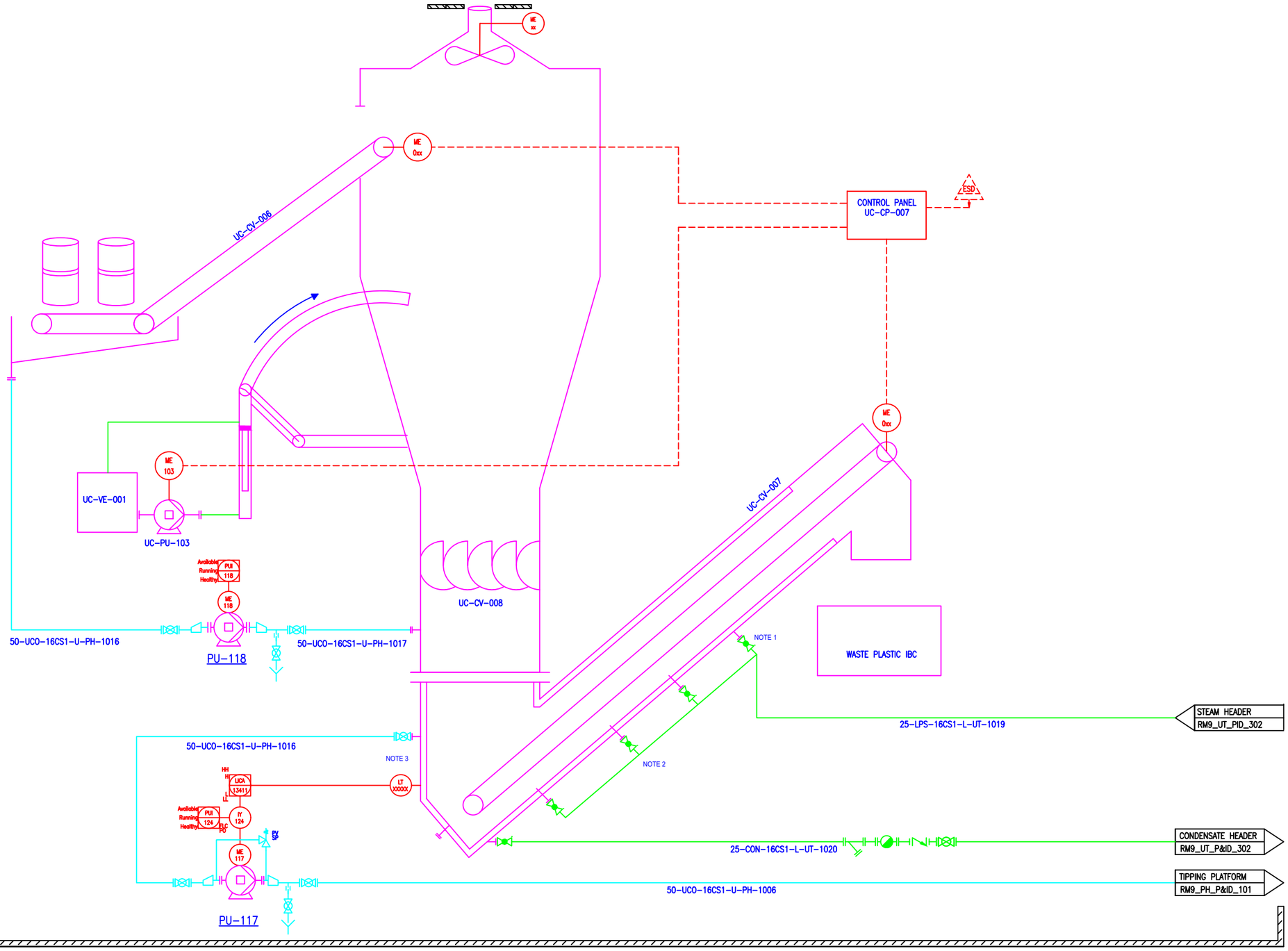
Drawn: C.B. | Scale: N.T.S | Date: 25.MAY.23

Checked | Approved

MASTER | A1

Drawing No.: RM9_PH_PID_102 | Revision: 1

UNCONTROLLED IF PRINTED



NOTES:

1. STEAM FEED TO JACKET CONVEYER FOR HEAT TRANSFER TO OIL
2. OPTION FOR DIRECT STEAM INJECTION FOR HARDER MATERIALS IF REQUIRED
3. LEVEL CONTROL IN HOPPER, SYSTEM TO BE RUN FULL OF HOT OIL TO MELT HARDER OILS

Rev.	Date	Drwn.	Chkd	Appr	Description
1	14/6/13	CB	AS		DRAFT

Client: OLLECO DAGENHAM

Project: DAGENHAM_UCO_PROCESSING

Drawing Title: SHREDDER

Drawn C.B.	Scale N.T.S	Date 25.MAY.23	
Checked	Approved		
MASTER			A1
Drawing No. RM9_PH_PID_103			Revision. 1

TAG NUMBER	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX
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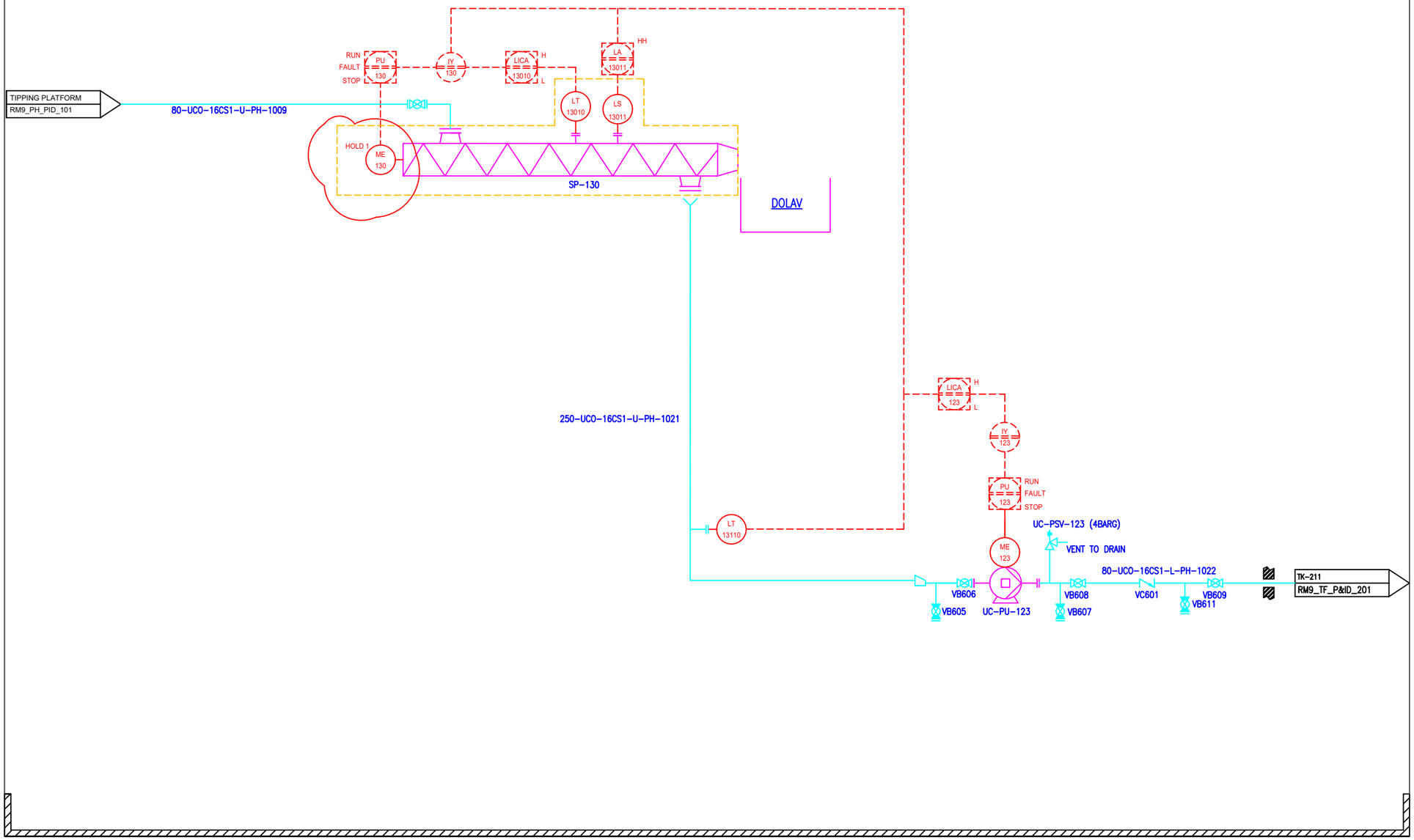
Type	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX
Medium	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
Operating/Design Pressure Barg (Max/Min)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)
Operating/Design Temperature oC (Max/Min)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)
Duty/Capacity	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC
Dimensions D x H	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC



NOTES:
1. SCREW PRESS IS VENTED, THEREFORE NOT PRESSURISED

HOLDS:
1. VENDOR TO CONFIRM DETAILS OF PACKAGE INCLUDING CONTROL.

Rev.	Date	Drwn.	Chkd	Appr	Description
1	14/6/23	CB	AS		DRAFT

TAG NUMBER	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX
Name	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX
Type	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX
Medium	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
Operating/Design Pressure Barg (Max/Min)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)
Operating/Design Temperature oC (Max/Min)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)
Duty/Capacity	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC
Dimensions D x H	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC

Client: OLLECO DAGENHAM

Project: DAGENHAM_UCO_PROCESSING

Drawing Title: SCREW PRESS

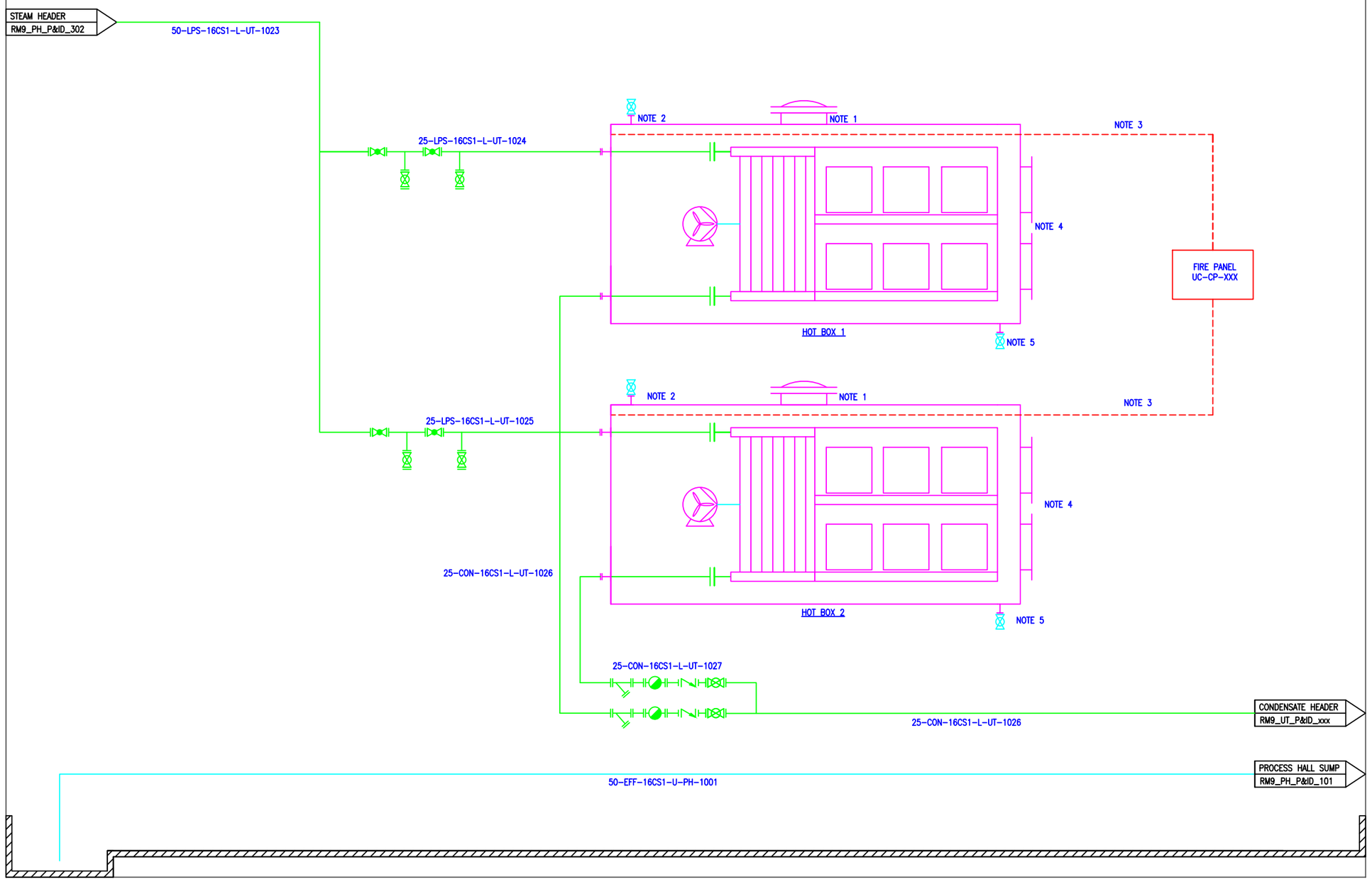
Drawn	Scale	Date
C.B.	N.T.S	25.MAY.23

Checked | Approved

MASTER | A1

Drawing No. RM9_PH_PID_104 | Revision. 1

UNCONTROLLED IF PRINTED



NOTES:
1. EXPLOSION PANEL FITTED TO ROOF OF HOTBOX
2. VENT FROM HOTBOX TO ALLOW 0.5 AIR CHANGES AN HOUR
3. LINEAR HEAT DETECTOR CONNECTED TO FIRE ALARM PANEL
4. SIGHT GLASSES TO VIEW INSIDE BOX
5. HOTBOX DRAIN

HOLDS:
1.

Rev.	Date	Drwn.	Chkd	Appr	Description
1	14/6/13	CB	AS		DRAFT

TAG NUMBER	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX
Name	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX
Type	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX
Medium	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
Operating/Design Pressure Barg (Max/Min)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)
Operating/Design Temperature oC (Max/Min)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)
Duty/Capacity	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC
Dimensions D x H	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC

Client: OLLECO DAGENHAM

Project: DAGENHAM_UCO_PROCESSING

Drawing Title: HOTBOX

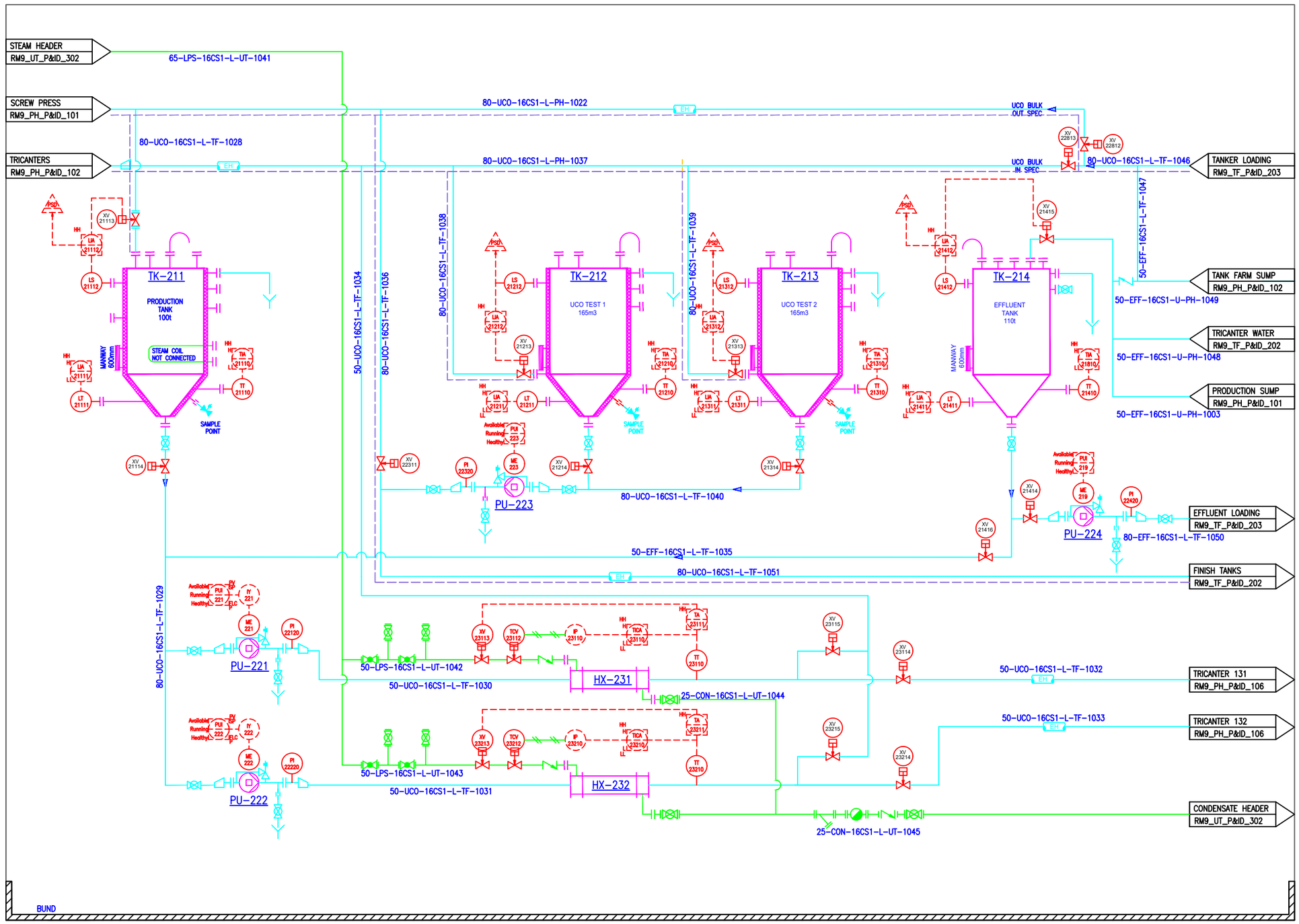
Drawn	Scale	Date
C.B.	N.T.S	25.MAY.23

Checked | Approved

MASTER | A1

Drawing No.: RM9_PH_PID_105

Revision.: 1



TAG NUMBER	TT-TK-210	TT-TK-212	TT-TK-213	TT-TK-218	TT-PU-211	TT-PU-214	TT-PU-216	TT-PU-219	TT-HX-210	TT-HX-221
Name	Production Tank	UCO Test Tank 1	UCO Test Tank 2	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX
Type	XXXXXXX	XXXXXXX	XXXXXXX	Stolt No.64	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX
Medium	UCO Filtered	Tricanted UCO	Tricanted UCO	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
Operating/Design Pressure Barg (Max/Min)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)
Operating/Design Temperature oC (Max/Min)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)
Duty/Capacity	100m3	165m3	165m3	100m3	TBC	TBC	TBC	TBC	TBC	TBC
Dimensions D x H	Ø4150x9384 tall	Ø3762x16384 tall	Ø3762x16384 tall	Ø3660x9600 tall	TBC	TBC	TBC	TBC	TBC	TBC

NOTES:

1.

Rev.	Date	Drwn.	Chkd	Appr	Description
1	14/06/23	CB	AS		DRAFT

Client: OLLECO DAGENHAM

Project: DAGENHAM_UCO_PROCESSING

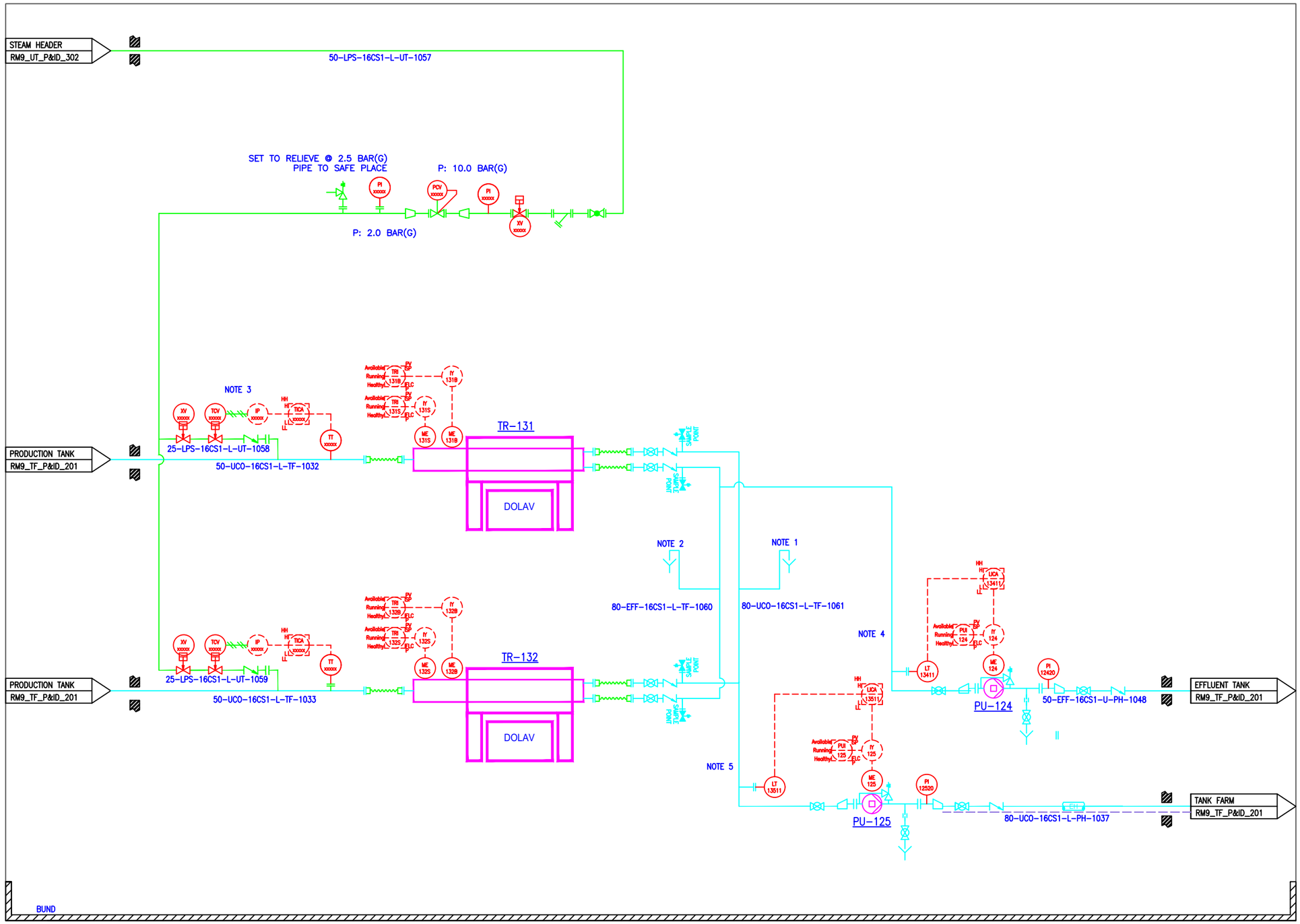
Drawing Title: TEST TANKS

Drawn: C.B. | Scale: N.T.S | Date: 25.MAY.23

Checked | Approved

MASTER | A1

Drawing No.: RM9_TF_PID_201 | Revision: 1



NOTES:
1. UCO VENT 500MM ABOVE TRICANTER OUTLET
2. EFFLUENT VENT 500MM ABOVE TRICANTER OUTLET
3. DIRECT STEAM INJECTION TON "CRACK" UCO
4. EFFLUENT LEVEL CONTROL IN PIPE
5. UCO LEVEL CONTROL IN PIPE
6.

HOLDS:

TAG NUMBER	PH-TK-XXX	PH-TK-134	PH-TK-135	PH-PU-1XX	PH-PU-1XX	PH-PU-124	PH-PU-125	PH-TR-131	PH-TR-132
Name	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX
Type	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX
Medium	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
Operating/Design Pressure Barg (Max/Min)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)
Operating/Design Temperature oC (Max/Min)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)
Duty/Capacity	TBC	1m3	1m3	TBC	TBC	TBC	TBC	TBC	TBC
Dimensions D x H	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC

Rev.	Date	Drwn.	Chkd	Appr	Description
1	14/04/23	CB	AS		DRAFT

Client: OLLECO DAGENHAM

Project: DAGENHAM_UCO_PROCESSING

Drawing Title: TRICANTERS

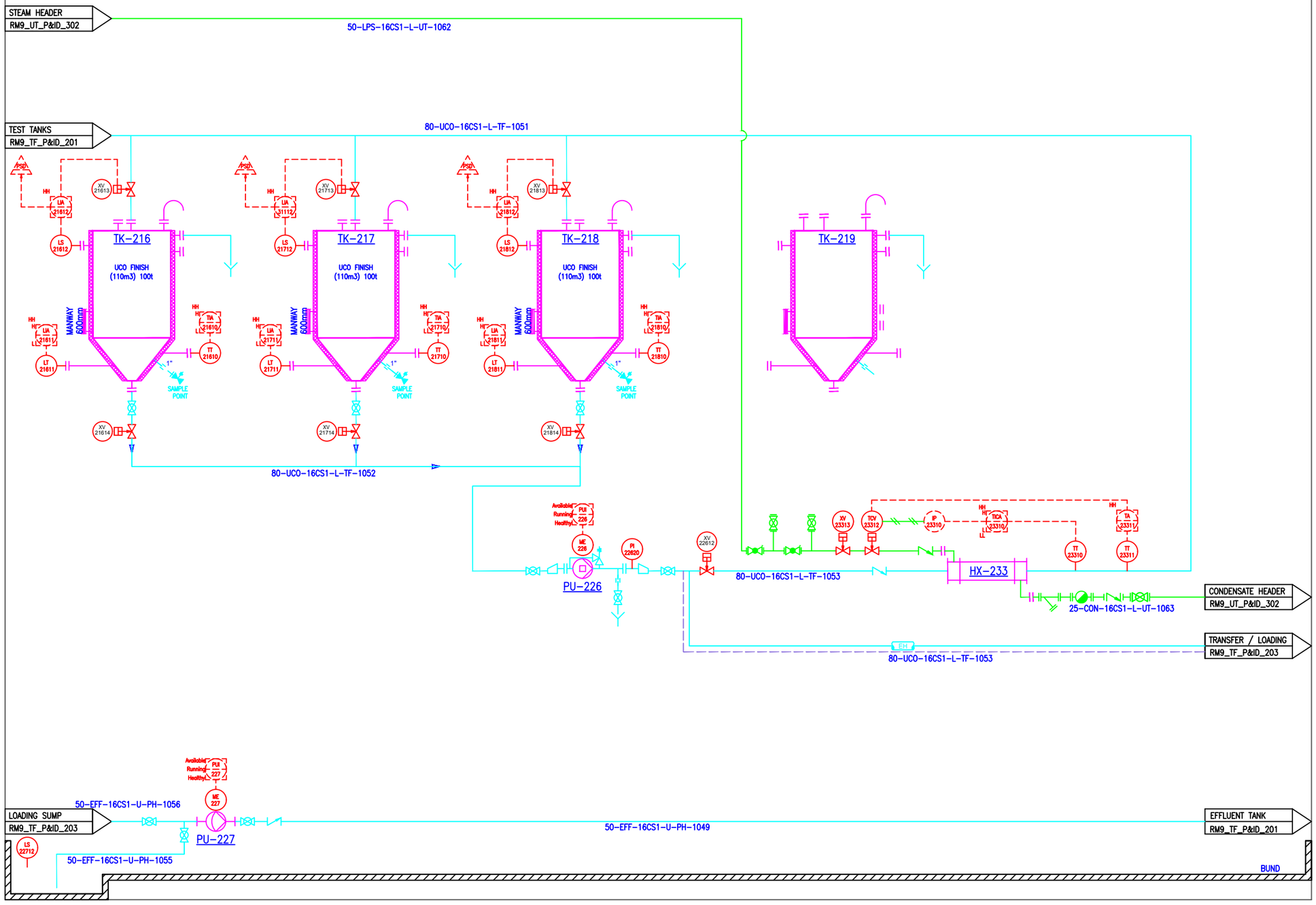
Drawn: C.B. | Scale: N.T.S | Date: 25.MAY.23

Checked | Approved

MASTER | A1

Drawing No.: RM9_PH_PID_106 | Revision: 1

UNCONTROLLED IF PRINTED



NOTES:

1.

1	14/6/13	CB	AS		DRAFT
Rev.	Date	Drwn.	Chkd	Appr	Description

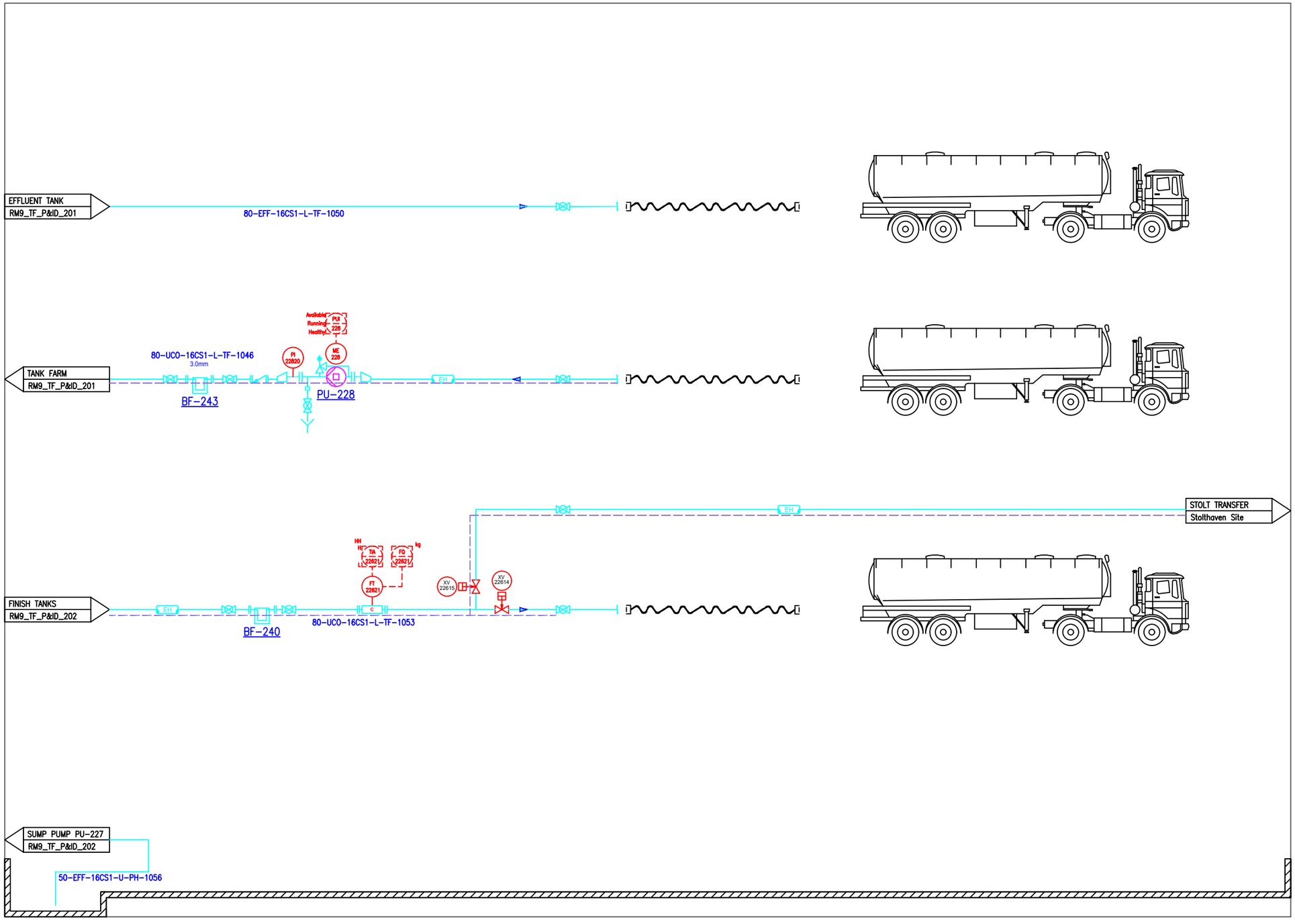
Client: OLLECO DAGENHAM

Project: DAGENHAM_UCO_PROCESSING

Drawing Title: FINISH TANKS

Drawn C.B.	Scale N.T.S	Date 25.MAY.23	
Checked	Approved		
MASTER			A1
Drawing No. RM9_TF_PID_202			Revision. 1

TAG NUMBER	FT-TK-310	FT-TK-311	FT-TK-312	FT-TK-313	FT-TK-314	FT-PU-315	FT-PU-318	FT-PU-320
Name	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX
Type	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX
Medium	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
Operating/Design Pressure Barg (Max/Min)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)
Operating/Design Temperature oC (Max/Min)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)
Duty/Capacity	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC
Dimensions D x H	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC



NOTES:

1.

TAG NUMBER	FT-PU-317	FT-BF-322	FT-BF-323	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX
Name	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX
Type	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX
Medium	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
Operating/Design Pressure Barg (Max/Min)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)
Operating/Design Temperature oC (Max/Min)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)
Duty/Capacity	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC
Dimensions D x H	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC

Rev.	Date	Drwn.	Chkd	Appr	Description
1	14/6/23	CB	AS		DRAFT

Client: OLLECO DAGENHAM

Project: DAGENHAM_UCO_PROCESSING

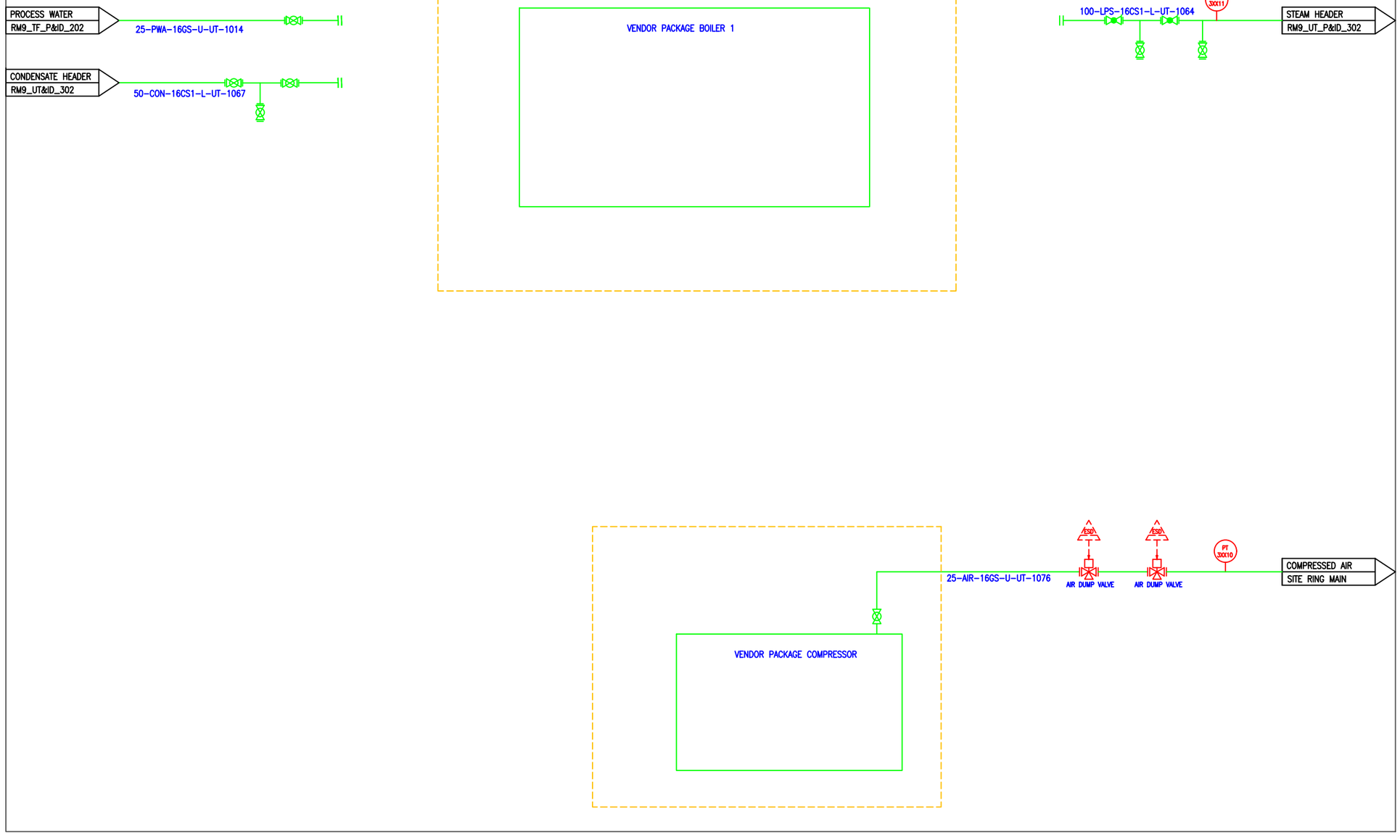
Drawing Title: LOADING & TRANSFER

Drawn: C.B. | Scale: N.T.S | Date: 25.MAY.23

Checked | Approved

MASTER | A1

Drawing No.: RM9_TF_PID_203 | Revision: 1



NOTES:

1.

TAG NUMBER	FT-PU-317	FT-BF-322	FT-BF-323	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX
Name	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX
Type	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX
Medium	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
Operating/Design Pressure Barg (Max/Min)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)
Operating/Design Temperature oC (Max/Min)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)
Duty/Capacity	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC
Dimensions D x H	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC

Rev.	Date	Drwn.	Chkd	Appr	Description
1	14/6/23	CB	AS		DRAFT

Client
OLLECO
DAGENHAM

Project
DAGENHAM_UCO_PROCESSING

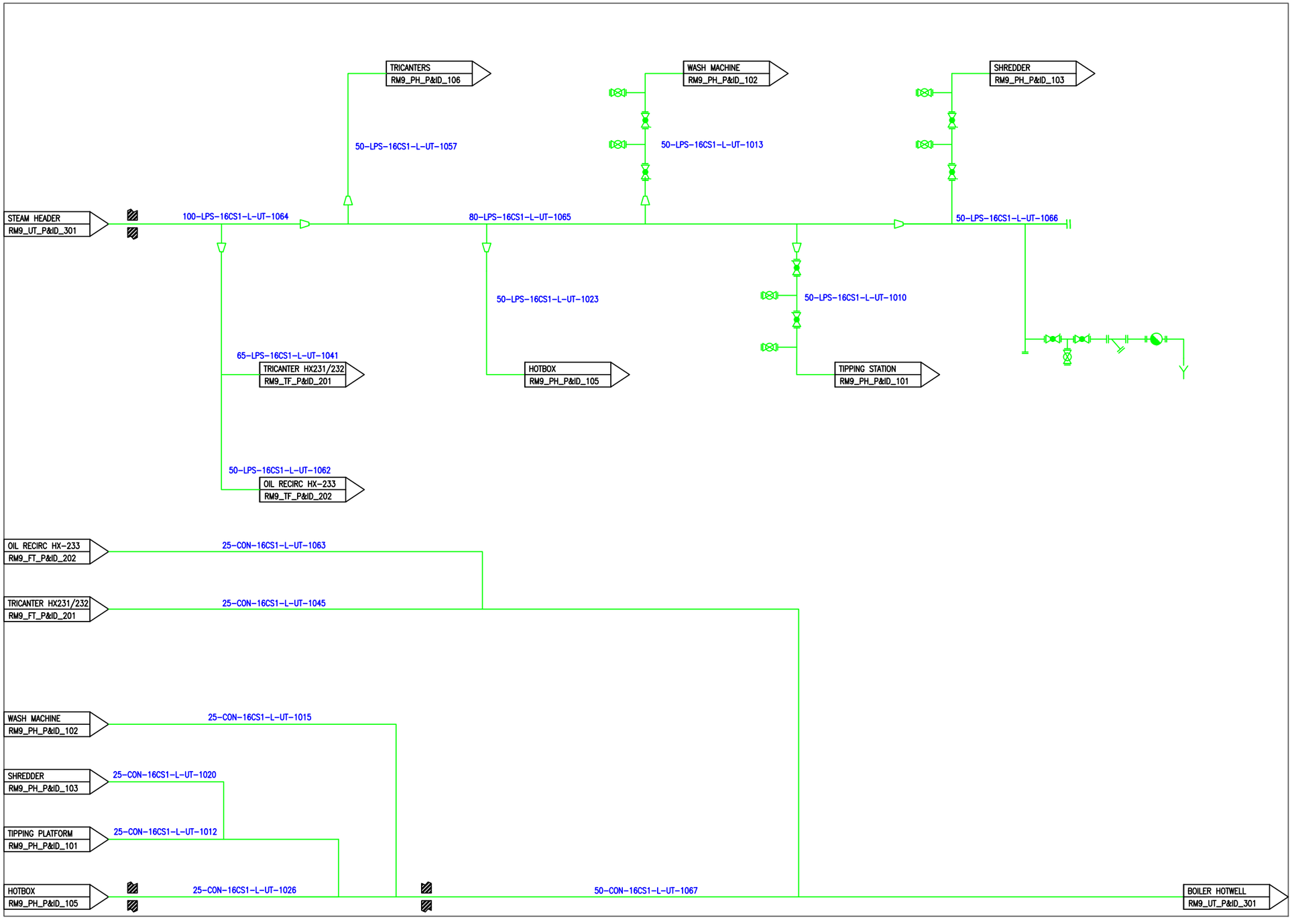
Drawing Title
UTILITIES

Drawn C.B. | Scale N.T.S | Date 25.MAY.23

Checked | Approved

MASTER | A1

Drawing No. RM9_UT_PID_301 | Revision. 1



TAG NUMBER	FT-PU-317	FT-BF-322	FT-BF-323	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX
Name	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX
Type	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX
Medium	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
Operating/Design Pressure Barg (Max/Min)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)
Operating/Design Temperature oC (Max/Min)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)
Duty/Capacity	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC
Dimensions D x H	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC

NOTES:

1.

Rev.	Date	Drwn.	Chkd	Appr	Description
1	14/6/23	CB	AS		DRAFT

Client
OLLECO
DAGENHAM

Project
DAGENHAM_UCO_PROCESSING

Drawing Title
STEAM HEADER

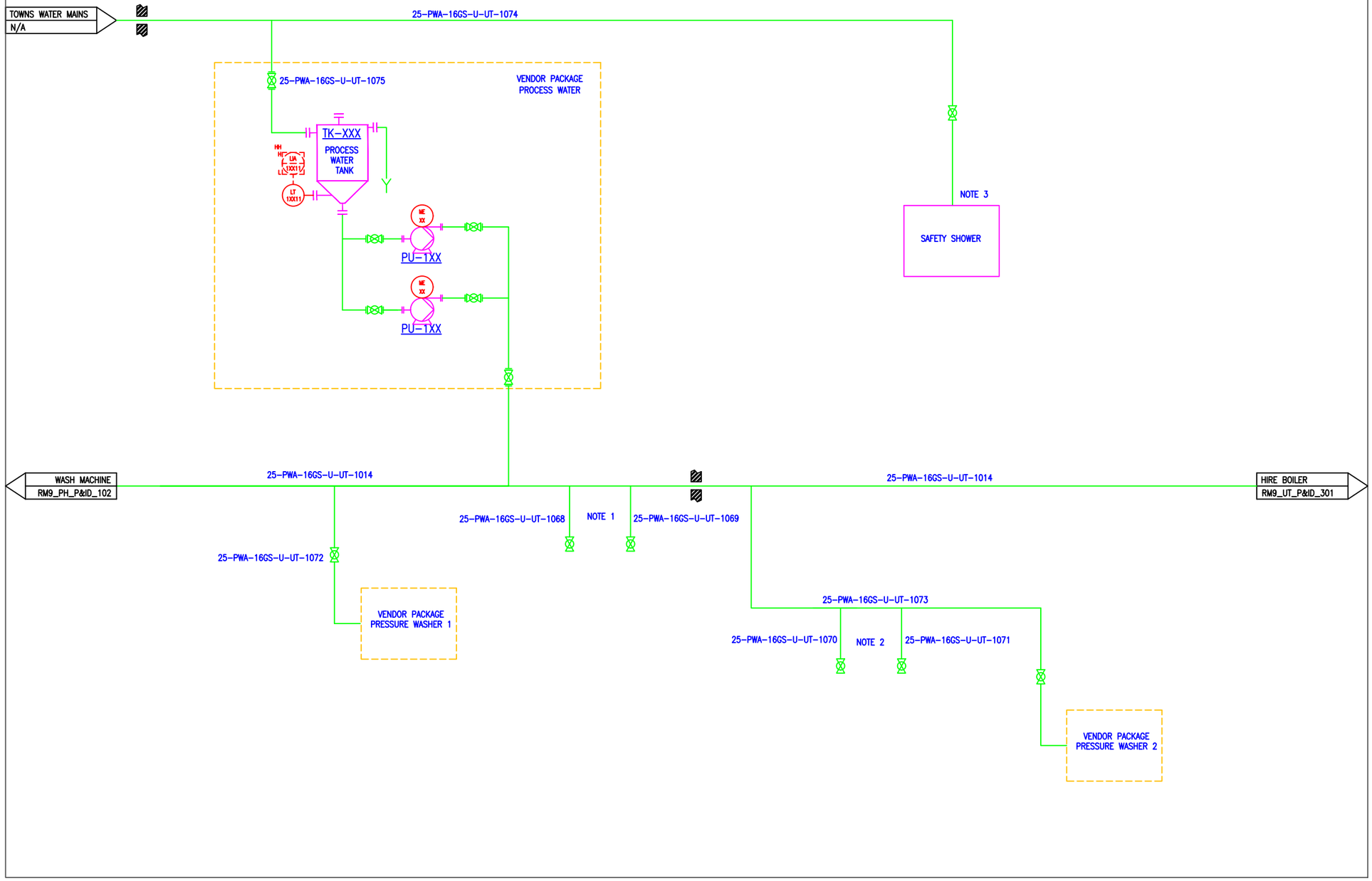
Drawn C.B. | Scale N.T.S | Date 25.MAY.23

Checked | Approved

MASTER | A1

Drawing No. RM9_UT_PID_302 | Revision. 1

UNCONTROLLED IF PRINTED



NOTES:
1. WASH DOWN POINTS IN PROCESS HALL
2. WASH DOWN POINTS IN TANK FARM
3. SAFETY SHOWER LOCATED IN PROCESS HALL

TAG NUMBER	FT-PU-317	FT-BF-322	FT-BF-323	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX	XX-XX-XXX
Name	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX
Type	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX
Medium	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
Operating/Design Pressure Barg (Max/Min)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)
Operating/Design Temperature oC (Max/Min)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)	(XXX/XXX) / (XXX/XXX)
Duty/Capacity	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC
Dimensions D x H	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC

Rev.	Date	Drwn.	Chkd	Appr	Description
1	14/04/23	CB	AS		DRAFT

Client: OLLECO DAGENHAM

Project: DAGENHAM_UCO_PROCESSING

Drawing Title: PROCESS WATER

Drawn: C.B. | Scale: N.T.S | Date: 25.MAY.23

Checked | Approved

MASTER | A1

Drawing No.: RM9_UT_PID_303 | Revision: 1

UNCONTROLLED IF PRINTED