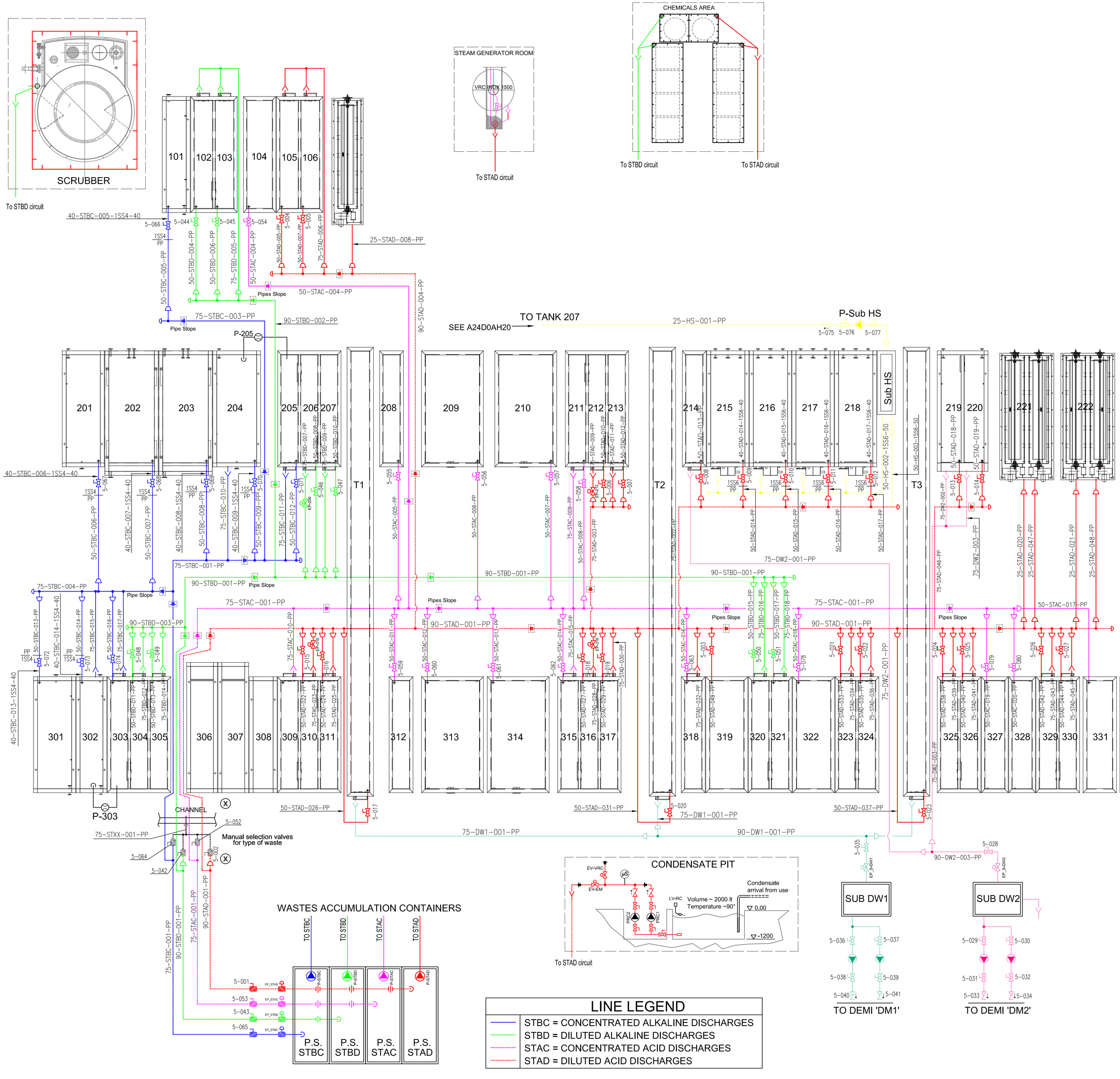


LEGENDS

TANKS - LOADING / UNLOADING LINE (LINE 1)

T01	ETCHING E0	104	DESMUTTING	107	DRYER
T02	RINSING CASCADE	105	RINSING WITH SPRAYING SYSTEM		
T03	RINSING CASCADE WITH SPRAYING SYSTEM	106	RINSING + BLOW OFF		

TANKS - INTERNAL LINE (LINE 2)

201	DEGREASING (2 POSITIONS)	210	ANODIZING 3 – 4 (2 POSITIONS)	218	SEALING 7 – 8 (2 POSITIONS)
202	ETCHING_E6 1 – 2 (2 POSITIONS)	211	RINSING CASCADE	T3	WET SHUTTLE DEMI RINSING
203	ETCHING_E6 3 – 4 (2 POSITIONS)	212	RINSING CASCADE	219	WARM RINSING WITH SPRAYING SYSTEM
204	ETCHING_E0 1 – 2 (2 POSITIONS)	213	RINSING CASCADE WITH SPRAYING SYSTEM	220	WARM RINSING + BLOW OFF
205	RINSING CASCADE		SERVICE ACCESS	221	DRYER 1 – 2 POSITIONS
206	RINSING CASCADE	T2	WET SHUTTLE DEMI RINSING	222	DRYER 2 – 2 POSITIONS
207	RINSING CASCADE WITH SPRAYING SYSTEM	214	RINSING–BUFFER		
T1	WET SHUTTLE RINSING	215	SEALING 1 – 2 (2 POSITIONS)		
208	DESMUTTING	216	SEALING 3 – 4 (2 POSITIONS)		
209	ANODIZING 1 – 2 (2 POSITIONS)	217	SEALING 5 – 6 (2 POSITIONS)		

TANKS - EXTERNAL LINE (LINE 3)

301	DEGREASING (2 POSITIONS)	313	ANODIZING 5 – 6 (2 POSITIONS)	324	RINSING CASCADE WITH SPRAYING SYSTEM
302	ETCHING_E0	314	ANODIZING 7 – 8 (2 POSITIONS)		SERVICE ACCESS
303	RINSING CASCADE	315	RINSING CASCADE	T3	WET SHUTTLE DEMI RINSING
304	RINSING CASCADE	316	RINSING CASCADE	325	RINSING CASCADE WITH SPRAYING SYSTEM
305	RINSING CASCADE WITH SPRAYING SYSTEM	317	RINSING CASCADE WITH SPRAYING SYSTEM	326	RINSING CASCADE
306	CHEMICAL POLISHING 1		SERVICE ACCESS	327	DYE COLOR
307	CHEMICAL POLISHING 2	T2	WET SHUTTLE DEMI RINSING	328	DYE COLOR
308	HOT RINSING	318	RINSING–BUFFER	329	RINSING CASCADE WITH SPRAYING SYSTEM
309	RINSING CASCADE	319	SODIUM BICARBONATE (2 POSITIONS)	330	RINSING CASCADE
310	RINSING CASCADE	320	RINSING CASCADE	331	ELECTRO DYE
311	RINSING CASCADE WITH SPRAYING SYSTEM	321	RINSING CASCADE WITH SPRAYING SYSTEM	332	SPRAY DYE
T1	WET SHUTTLE RINSING	322	BLACK DYE (2 POSITIONS)		
312	DESMUTTING	323	RINSING CASCADE		

ANODIZING EQUIPMENT LEGEND

AA	SUCTION FAN	MSN	ELEVATOR
ABL	AIR BLOWER	QAS	SUCTION PLANT CONTROL BOARD
ACP	AIR COMPRESSOR FOR ELECTRIC CONTACTS	QQC	AUTOMATION CENTRAL CONTROL BOARD
DEP	DEPOTS FOR ANODI BARS	RB	REMOTE CONTROL BOARD
ECOAL	RECOVERY ACID PLANT	REX	RECTIFIER
ES	TRANSFORMER FOR ELECTROCOLOURING	RGB	ANODIZING HEAT EXCHANGER GROUP
GF–AR	CHILLER	RGE	ELECTROCOLOURING HEAT EXCHANGER GROUP
MCC	BRIDGE CRANE	SG	STEAM GENERATOR
MCN	TRANSFER CARRIAGE	TFO	SCRUBBER
MCX	LOADING/UNLOADING STATION (MOBILE TYPE)	UTA	AIR TREATMENT UNIT
MSF	LOADING STATION (FIX TYPE)	ZSB	ROTOCLEANER

WASTE WATER PLANT EQUIPMENT LEGEND

DC	DECANTER	FP	FILTER PRESS
DM	DEMINERALIZATION PLANT	RX	REACTOR
EV	EVAPORATOR	ST	ACCUMULATION CONTAINER

TANKS & PITS

SUB–DW1	SUB TANK DEMI WATER 1	SUB–HS	SUB TANK HOT SEALING
SUB–DW2	SUB TANK DEMI WATER 2	C.PIT	CONDENSATE PIT

CONTAINERS

NaOH	SODA	EG	ETCHING ADDITIVE
H2SO4	SULPHURIC ACID	E0	PICKLING ADDITIVE
DEG	DEGREASING	POL	POLISHING
NT	NEUTRALIZING/DESMUTTING ADDITIVE	BC	SODIUM BICARBONATE ADDITIVE
HS	HOT SEALING ADDITIVE	EL	ELECTROCOLOURING ADDITIVE

FLUIDS

AIR	BLOWING AIR	H2SO4	SULPHURIC ACID	WSO	SOFTENER WATER
AS	ANODIZING SOLUTION	STEAM	STEAM	STE	EVAPORATED WATER
CAR	COMPRESSED AIR	NaOH	SODA	D1P	DEMI WATER 1 IN PRESSURE
STAC	CONCENTRATE ACID WASTES DISCHARGE	NT	NEUTRALIZING ADDITIVE	DW1	DEMI WATER 1 IN RECIRCULATION
STBC	CONCENTRATE ALKALINE WASTES DISCHARGE	E6–E0	ETCHING & PICKLING ADDITIVES	DW2	DEMI WATER 2 IN RECIRCULATION
STAD	DILUTED ACID WASTES DISCHARGE	DEG	DEGREASING	EA	ELECTROCOLOURING SOLUTION
STBD	DILUTED ALKALINE WASTES DISCHARGE	HS	SEALING ADDITIVE	FW	COOLED WATER
DS	DEGREASING SOLUTION	BK	BLACK SOLUTION	BR	BRIGHTING SOLUTION
DY	DYE SOLUTION	ET	ETCHING SOLUTION	SS	SEALING SOLUTION

MATERIALS

VALVES

GATE
BALL
BUTTERFLY (FLANGED)
STEAM VALVE (FLANGED)
FLOW CONTROL
REDUCING
FLOAT
FOOT
ELECTROVALVE
ELECTROPNEUMATIC
3 WAYS
3 WAYS MOTORIZED
3 WAYS–ELECTROVALVE
ONE WAY
GUAGE (RELIEF)
SAFETY
BALL VALVE WITH MICROSWITCH
CALIBRATED FLANGE FLOW METER

PUMPS

CENTRIFUGAL
DOSING
PNEUMATIC
CENTRIFUGAL CARRIAGE

INSTRUMENTS

THERMOMETER
TEMPERATURE INDICATOR AND CONTROL
MANOMETER
FLOW OPERATED CUT–OFF SWITCH
LEVEL CONTROL
LEVEL CONTROL AND ALARM
CONDUCIBILITY CONTROL
ACIDITY CONTROL
FLOW METER
FLOW METER WITH MICROSWITCH
FLOW METER AND RECORDER
GENERAL SYMBOL

PROBES

LEVEL FLOATING TYPE
LEVEL RODS TYPE
CHECK TEMPERATURE PIT

OTHER

WATER COOLED ELECTRIC CONTACT
ELECTROSTIRRER
SUCTION FILTER
Y FILTER
DEAERATOR
PRESSURE SWITCH
PULSATION DAMPENER
EXPANSION JOINT
ANTIVIBRATING JOINT FLANGED TYPE
FLANGE
SOCKET UNION
DOUBLE ADAPTOR SOCKET
FAST JOINT / HOSE ADAPTOR
OVER–FLOW DISCHARGE
DISCHARGE
REDUCTION
END CAP
STEAM TRAP
CONDENSATE PASSAGE VIEWER
INSULATION

MONTI ENGINEERING

MONTI Engineering S.r.l.
40023 CASTEL GUELFO DI BOLOGNA (BO) ITALY
Loc. Poggio Piccolo, via dell'Industria, 24
Phone : +39/0542/670412
Fax : +39/0542/670414
Home Page : http:\\www.montieng.com
E-mail : montieng@montieng.com

Utilization: ANODIZING PLANT 24.000 A FOR SMALL PIECES
Description: OVERFLOW AND DISCHARGES

Issued: 27/06/2022	Checked: D.M. – L.M.	Customer: GABRIJEL ALUMINUM	
Rev.: 05	Drawn by: M.M. – L.G.	Project: AH20	
Of: 18/07/2023	Scale:	Code:	
ENGINEERING – EQUIPMENT – MACHINES AND COMPLETE METAL SURFACE TREATMENT PLANTS		DWG No.: A24C0AH20	
		Sheet: 01/01	

This drawing is the exclusive property of MONTI Engineering S.r.l. Bologna – ITALY
All rights are reserved. No part of it may be copied, reproduced, or transferred to third parties, in accordance with the law.