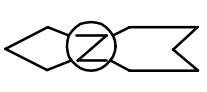


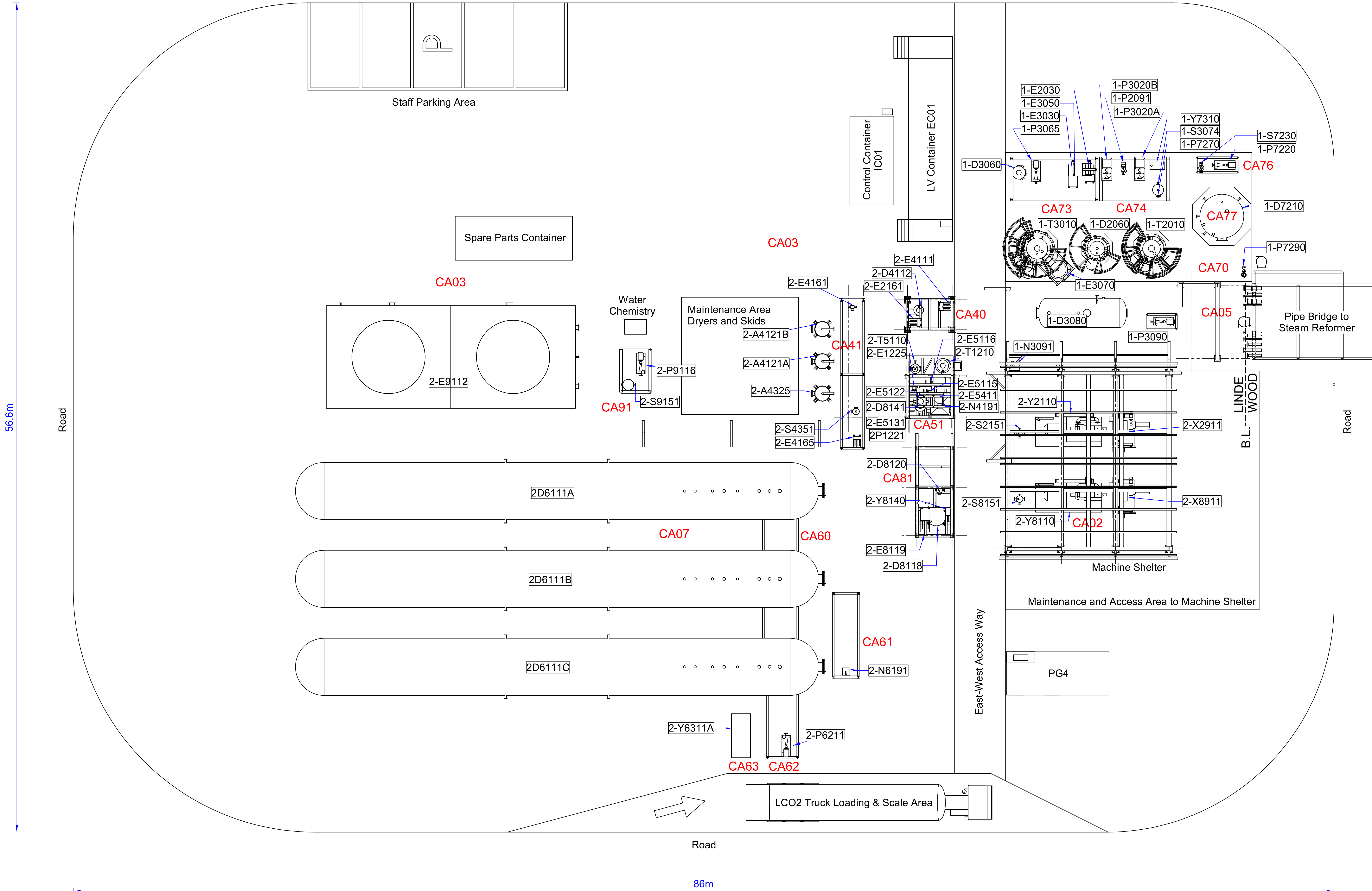
TOPVIEW

Looking Plan
SCALE: 1:100 mm

Plant
North



Road



Item	Description	Area	Skid	PID Page
1-D2060	HP Flash	CA70	-	&AE 1-P-FP 2001 (EN)
1-D3060	Stripper Reflux Drum	CA73	x	&AE 1-P-FP 3006 (EN)
1-D3080	Steam Condensate Drum	CA70	-	&AE 1-P-FP 3004 (EN)
1-D7210	Solution Storage Tank	CA77	-	&AE 1-P-FP 7201 (EN)
1-E2030	Lean Solution Cooler	CA73	x	&AE 1-P-FP 2004 (EN)
1-E3030	Rich/Lean Solution Heat Exchanger	CA73	x	&AE 1-P-FP 2005 (EN)
1-E3050	Stripper Condenser	CA73	x	&AE 1-P-FP 3005 (EN)
1-E3070	Stripper Reboiler	CA70	-	&AE 1-P-FP 3004 (EN)
1-N3091	Warm-Up Silencer Steam Turbine	CA02	-	&AE 1-P-FP 3005 (EN)
1-P2091	Make-up Water Pump	CA74	x	&AE 1-P-FP 2000 (EN)
1-P3020A	Lean Solution Pump A	CA74	x	&AE 1-P-FP 2003 (EN)
1-P3020B	Lean Solution Pump B	CA74	x	&AE 1-P-FP 2003 (EN)
1-P3065	Stripper Reflux Pump	CA73	x	&AE 1-P-FP 3006 (EN)
1-P3090	Steam Condensate Pump	CA70	x	&AE 1-P-FP 3004 (EN)
1-P7220	Solution Make-up Pump	CA76	x	&AE 1-P-FP 7201 (EN)
1-P7270	Solution Drain Pump	CA74	x	&AE 1-P-FP 7000 (EN)
1-P7290	Pit Pump	CA70	-	&AE 1-P-FP 7200 (EN)
1-S3074	Mechanical Filter	CA74	x	&AE 1-P-FP 2002 (EN)
1-S7230	Storage Mechanical Filter	CA76	x	&AE 1-P-FP 7201 (EN)
1-T2010	Absorber Column	CA70	-	&AE 1-P-FP 2000 (EN)
1-T3010	Stripper Column	CA70	-	&AE 1-P-FP 3003 (EN)
1-Y7310	Antifoam Dosing Unit	CA74	x	&AE 1-P-FP 7300 (EN)
2-A4121A	Dryer I	CA41	-	&AE 2-P-FP 4102 (EN)
2-A4121B	Dryer II	CA41	-	&AE 2-P-FP 4102 (EN)
2-A4325	Guard Bed	CA41	-	&AE 2-P-FP 4301 (EN)
2-D4112	Water Separator	CA40	x	&AE 2-P-FP 4101 (EN)
2-D6111A	Storage Tank A	CA07	-	&AE 2-P-FP 6103 (EN)
2-D6111B	Storage Tank B	CA07	-	&AE 2-P-FP 6104 (EN)
2-D6111C	Storage Tank C	CA07	-	&AE 2-P-FP 6105 (EN)
2-D8118	Refrigerant Economizer	CA81	x	&AE 2-P-FP 8105 (EN)
2-D8120	Refrigerant Receiver	CA81	x	&AE 2-P-FP 8104 (EN)
2-D8141	Suction Drum	CA81	x	&AE 2-P-FP 8101 (EN)
2-E1225	LP Scrubber Chilled Water Cooler	CA12	x	&AE 2-P-FP 1204 (EN)
2-E2161	After Cooler	CA40	x	&AE 2-P-FP 2103 (EN)
2-E4111	CO2 Gas Pre-Cooler	CA40	x	&AE 2-P-FP 4101 (EN)
2-E4161	Regeneration Gas Heater	CA41	x	&AE 2-P-FP 4103 (EN)
2-E4165	Regeneration Gas Cooler	CA41	x	&AE 2-P-FP 4103 (EN)
2-E5115	CO2 Reboiler	CA51	x	&AE 2-P-FP 5101 (EN)
2-E5116	Refrigerant Reboiler	CA51	x	&AE 2-P-FP 5101 (EN)
2-E5122	CO2 Condenser	CA51	x	&AE 2-P-FP 5101 (EN)
2-E5131	CO2 Subcooler	CA51	x	&AE 2-P-FP 5102 (EN)
2-E5411	Vent Gas Heater	CA51	x	&AE 2-P-FP 4103 (EN)
2-E8119	Refrigerant Condenser	CA81	x	&AE 2-P-FP 8104 (EN)
2-E9112	Cooling Water Tower	CA03	-	&AE 2-P-FP 9102 (EN)
2-N4191	Vent Gas Silencer	CA51	x	&AE 2-P-FP 4104 (EN)
2-N6191	Silencer Storage	CA60	x	&AE 2-P-FP 6101 (EN)
2-P1221	LP Scrubber Water Pump	CA12	x	&AE 2-P-FP 1203 (EN)
2-P6211	CO2 Loading Pump	CA62	x	&AE 2-P-FP 6211 (EN)
2-P9116	Cooling Water Pump	CA91	x	&AE 2-P-FP 9102 (EN)
2-S2151	Fine Oil Filter	CA02	-	&AE 2-P-FP 2101 (EN)
2-S4351	Particle Filter	CA41	x	&AE 2-P-FP 4301 (EN)
2-S8151	Refrigerant Fine Oil Filter	CA02	-	&AE 2-P-FP 8102 (EN)
2-S9151	Sidestream Filter	CA91	x	&AE 2-P-FP 9102 (EN)
2-T1210	LP Scrubber	CA12	-	&AE 2-P-FP 1202 (EN)
2-T5110	CO2 Column	CA51	-	&AE 2-P-FP 5101 (EN)
2-X2911	CO2 Compressor Steam Turbine	CA02	-	&AE 2-P-FP 9201 (EN)
2-X8911	Refrigerant Compressor Steam Turbine	CA02	-	&AE 2-P-FP 9202 (EN)
2-Y2110	CO2 Compressor	CA02	-	&AE 2-P-FP 2101 (EN)
2-Y6311A	CO2 Truck Loading Station	CA63	x	&AE 2-P-FP 6311 (EN)
2-Y8110	Refrigerant Compressor	CA02	-	&AE 2-P-FP 8102 (EN)

Area	Description	Skid
CA01	Underground	-
CA02	Machine Shelter	-
CA03	Field LCO2	-
CA04	Interconnecting Piping LCO2	-
CA05	Pipe Rack	-
CA07	Tank Farm LCO2	-
CA40	Pre-Cooling Unit	x
CA41	Drying Unit	x
CA51	LP Scrubber & Rectification Unit	x
CA60	Tank Access Unit 1	x
CA61	Tank Access Unit 2	x
CA62	Loading Pump Unit	x
CA63	Loading Station	x
CA70	Field PCC	x
CA73	Stripper Reflux Unit	x
CA74	Interstage + Rich/Lean Solution Unit	x
CA76	Tank Farm Pump Unit	x
CA77	Tank Farm Solution	-
CA81	Refrigeration Unit	x
CA91	Cooling Water Unit	x

Color Code:

PCC	<- both ->	LCO2
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2.0	08.03.21	E	Brummet	Kuhle	Janus	Issue for 30% Model Design Review
1.0	22.01.21	E	Brummet	Schwarz	Janus	Preliminary Draft

CO2 CAPTURE, CONCENTRATION, PURIFICATION & LIQUEFACTION PLANT
BOC NORTH TEES HYDROGEN SITE

Linde **BOC**

LINDE PROJECT NO: 3710 A1E8
CLIENT PROJECT NO: G4S-499

LINDE PROJECT CODE: Teesside 01
CLIENT PROJECT CODE: Teesside Carbon Dioxide

SCALE: 1:100
SHEET: 01 OF 01

