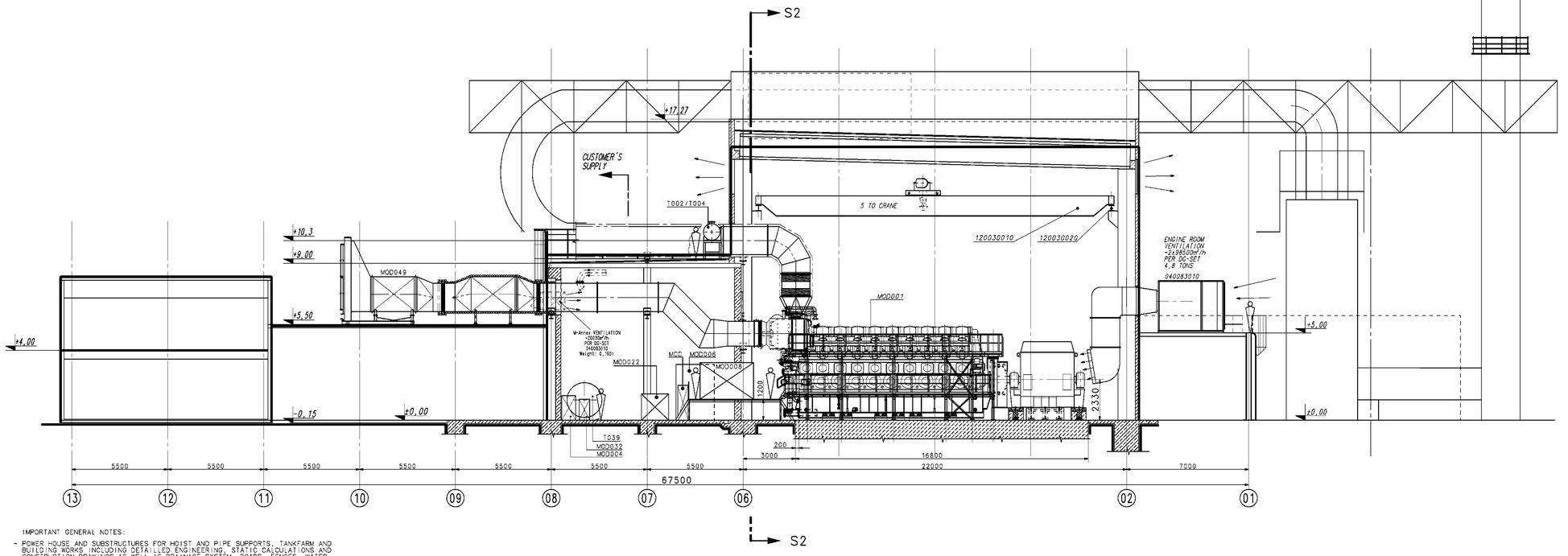
SECTION S1



IMPORTANT GENERAL NOTES:

- POWER HOUSE AND SUBSTRUCTURES FOR HOIST AND PIPE SUPPORTS, TANKFARM AND BUILDING WORKS INCLUDING DETAILED ENGINEERING, STATIC CALCULATIONS AND CONSTRUCTION DRAWINGS AS WELL AS DRAINAGE SYSTEM, ROADS, FENCES, WATER SUPPLY, SOUND PROTECTION, INSULATION, WINDOWS, DOORS, SANITARY AND SOCIAL INSTALLATIONS, EARTHING, LIGHTING, LIGHTNING PROTECTION, LADDERS, STAIRS, WALKWAYS, HANDRAILS IS CIVIL CONTRACTOR'S SUPPLY IF NOT OTHERWISE NOTED IN CONTRACT.
- ON ALL SIDES OF THE POWER HOUSE SUFFICIENT AREA FOR TEMPORARY STORAGE OF GOODS AND FOR ERECTION AND PREFAB PURPOSES (AT LEAST 10 M ALL AROUND THE BUILDING) IS TO BE PROVIDED. THE AREA SHALL BE COVERED WITH LEAN CONCRETE BY CIVIL CONTRACTOR.
- SPECIAL CARE MUST BE TAKEN FOR THE BRINGING IN AREA OF THE ENGINE, WHICH MUST BE ABLE TO SUSTAIN AN AXLE LOAD OF ABT. 30 TONS OF THE HEAVY LOAD TRAILERS.
- FOR BRINGING IN OF ENGINE, GENERATOR, AND OTHER HEAVY PARTS A TEMPORARY WALL OPENING IN SUFFICIENT SIZE IS TO BE FORESEEN AT AXIS H OF THE POWERHOUSE.
- FOR BRINGING IN OF SWITCHGEARS INTO ELECTRICAL ANNEX TEMPORARY WALL OPENINGS OF 2000 X 2500 HEIGHT ARE TO BE FORESEEN.
- ALLOWABLE LOADS:
  - FLOORS SEE SEPARATE TABLE
  - WALKWAYS AND ELEVATED FLOORS: 350 KG/M2
- LOADS ON STEEL CONSTRUCTION RESULTING FROM INTAKE AIR SYSTEM AND EXHAUST GAS SYSTEM SEE SEPARATE TABLE.
- FOR NOISE PROTECTION REASONS ALL PIPE INSTALLATION OPENINGS ARE TO BE CLOSED BY CIVIL CONTRACTOR AFTER FINISHING OF PIPING WORKS.
- FLOOR GAPS MUST NOT BE ARRANGED AT THE POSITIONS OF MODULES.
- MODULES AND OTHER EQUIPMENT ARE TO BE BOLTED DIRECTLY ONTO POWER HOUSE FLOOR, ADJUSTMENT BY SHIM PLATES WHERE NECESSARY.
- CONCRETE SLEEPERS FOR PIPE RACKS TO BE SUPPLIED BY CIVIL CONTRACTOR. FINAL POSITIONING AND SPECIFICATION AFTER FINISHING OF PIPE DESIGN.
- DESIGN OF POWER HOUSE AND AUXILLIARY STRUCTURES MUST BE CALCULATED ACCORDING TO LOCAL REQUIREMENTS (EARTHQUAKE, WIND FORCES) AND EXISTING LOCAL STANDARDS.

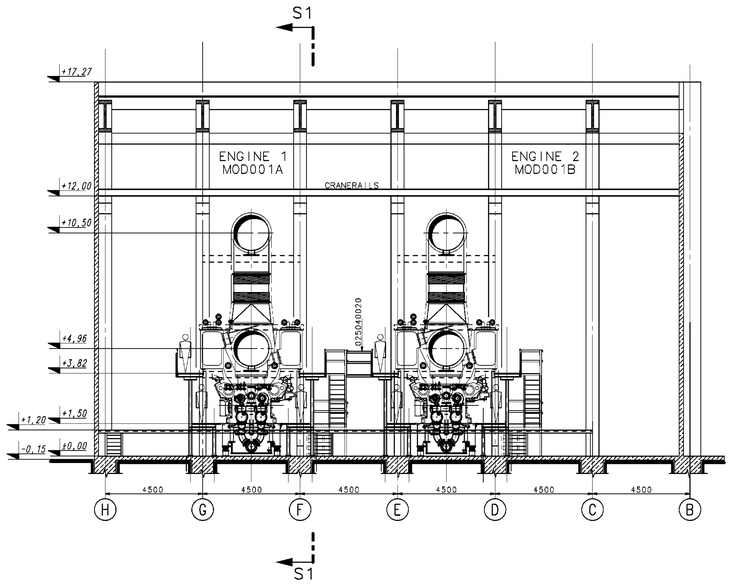
NOTES FOR BUILDING CONTRACTOR:

- BUILDING CONSTRUCTION, ACCESS OPENINGS AND TRANSPORTATION WAYS (FOR ENGINE AND ACCESSORIES) TO BE EXECUTED ACC. TO MAN B&W - DRAWINGS AND REQUIREMENTS.
- WALL OPENINGS FOR PIPES TO BE CLOSED AFTER INSTALLATION WORKS BY CIVIL CONTRACTOR.
- ATTENTION: EXHAUST GAS TEMPERATURE ABOUT 400°C. KEEP AWAY COMBUSTIBLE MATERIAL FROM THE EXHAUST SYSTEM RANGE.
- POWER HOUSE FLOOR AND FOUNDATION SURFACES TO BE PROTECTED AGAINST WATER AND OIL PENETRATION. TO AVOID ACCIDENTS ANTI-SLIPPING FLOORS TO BE PROVIDED BY CIVIL CONTRACTOR.
- ALL FOUNDATIONS FOR PIPE SUPPORTS TO BE EXECUTED BY CIVIL CONTRACTOR.
- A DRAINAGE SYSTEM FOR THE ENTIRE POWER PLANT AREA AND BUILDINGS TO BE PROVIDED BY CIVIL CONTRACTOR.

NOTES FOR INSTALLATION WORKS:

- INSTALLATION PLAN ACC. TO LAYOUT FOUNDATION PLAN B11.83005-0292
- DURING INSTALLATION THE ASSEMBLY INSTRUCTIONS ACC. TO D365696 HAVE TO BE CONSIDERED.
- ELASTIC HOSE CONNECTIONS MUST NOT BE FITTED IN STRETCHED WAY.
- MEASURING INSTRUMENTS HAVE TO BE LOCATED ADEQUATELY (ACCESSIBLE, PROTECTED, AND READABLE).
- ALL PIPES HAVE TO BE LAID ACC TO INSTALLATION PLAN.
- PIPES < DN25 ARE NOT SHOWN NORMALLY.
- PIPES HAVE PRIORITY OF COURSE DURING INSTALLATION WORKS, MEANING THAT CABLES ARE TO BE LAID WITH BY-PASS WHERE NECESSARY.
- FREE ACCESS DURING INSTALLATION WORKS MUST BE ENSURED, MEANING THAT EXISTING PIPES, EQUIPMENT PARTS, AND CABLES ARE TO BE TEMPORARILY REMOVED WHERE NECESSARY.
- PIPES TO BE SUPPORTED VIBRATION FREE AND UNDER CONSIDERATION OF THERMAL EXPANSIONS.
- DRAINS TO BE LOCATED AT THE LOWEST, VENTS TO BE LOCATED AT THE HIGHEST POINTS OF THE PIPING SYSTEMS.
- WHERE NO SPECIAL FOUNDATION IS SHOWN, EQUIPMENT IS TO BE DOWELLED DIRECTLY ON THE CONCRETE SLAB ACC TO THE EQUIPMENT LOCATION PLANNINGS.
- CABLES TO BE INSTALLED IN A WAY THAT FREE ACCESS TO THE EQUIPMENT, MAINTENANCE WORKS, AND REPAIR WORKS ARE POSSIBLE AT ANY TIME.

SECTION S2



	PDS-ID.	EQUIPMENT CODE	SUPPLIER MBD	SUPPLIER CUST	QUANTITY	DESCRIPTION	WEIGHT IN TONS PER UNIT
GENSET	010	MOD001	X		2	DIESEL ENGINE 18V 48/60B WITH ATTACHED PUMPS FOR LO, LT- AND HT COOLING WATER	258,9
GENSET	010	X	X		2	TURNING GEAR	0,3
GENSET	010270010	X	X		2	FLY WHEEL	4,4
GENSET	025020010	X	X		2	ALTERNATOR	71,0
GENSET	025030010	T001	X		2	STEEL FRAME	32+17,2
GENSET	020010010	X	X		2	FLEXIBLE COUPLING	4,4
GENSET	025030080	X	X		2 SET	SPRING ISOLATORS	2,5
GENSET	020010040	X	X		2	FLYWHEEL COVER	0,5
GENSET	025040010	X	X		2	FREE STANDING ENGINE SERVICE PLATFORM	3,5
MODUL	030020010	MOD006A-B			2	LUBE OIL SERVICE MODUL (ON THE FRAME ARE MOUNTED) AUTOMATIC BACKWASH FILTER SET TEMPERATURE REGULATING VALVES LUBE OIL HEAT EXCHANGER LUBE OIL PRIMING PUMP	10,0
	030020290	P025A-B	X		2	LUBE OIL PREHEATING PUMP	0,1
	040010010	H025	X		1	LUBE OIL PREHEATER FOR PLANT	1,0
	030020280	MOD058A-B	X		2	OIL MIST ELIMINATOR	
MODUL	030020270	MOD061A-B	X		2	LUBE OIL FINE FILTER UNIT ON THE FRAME ARE MOUNTED: SUPPLY PUMP FINE FILTER	0,5
	030030060	T002/T004A-B	X		2	EXPANSION TANK (TWO PART)	2,0
	030030	P070A-B	X		2	DOWN COOLING PUMP	0,5
OUTSIDE SEE SITE PLAN	030050010	MOD048A-B	X		2	TWO CIRCUIT RADIATOR COOLING SYSTEM	
MODUL	030120010	MOD049A-B	X		2	INTAKE AIR FILTER UNIT CONSISTING OF: OIL BATH ROTARY FILTER SILENCER WITH ADAPTER FOR PIPING	3,5
	040010020	MOD011	X		1	LEAKAGE OIL MODULE	1,5
	040030010	MOD004	X		1	COOLING WATER PREHEATING SET	0,2
OPTION	040040010	T039	X		1	COOLING WATER COLLECTING TANK (10m³)	12,0
	040040020	MOD032	X		1	COOLING WATER REPLESHING PUMP	0,1
MODUL	040045030	MOD005A-B	X		2	NOZZLE COOLING WATER-UNIT CONSISTING OF: NOZZLE COOLING WATER TANK NOZZLE COOLING WATER PUMP HEAT EXCHANGER	1,0
	040070010	1-2T007	X		2	STARTING AIR RECEIVER (2000L)	1,5
	040070040	MOD022	X		1	COMPRESSOR WITH ELETR. MOTOR	2,0
	040070060	1MOD021	X		1	PRESSURE REDUCER FOR CONTROL AIR	0,1
	040070070	TR003	X		1	AIR DRYER	0,1
	120010010	MOD012	X		1	LOWER PRESSURE COMPRESSOR UNIT	1,2
	120010020	2MOD021	X		1	PRESSURE REDUCER FOR WORKING AIR	0,1
		T031	X		1	CONDENSATE AND COLLECTING MODULE WITH PUMP	
	100010130	T032	X		1	STEAM DISTRIBUTOR POWERHOUSE	0,3
	120030010	X		X	1	POWER HOUSE CRANE (CAPACITY 5 to)	
	120030020	X		X	1	CRANE RAILS	
	040083010	X		X	2SET	POWER HOUSE VENTILATION INLET	4,8
	040083010	X		X	2SET	POWER HOUSE VENTILATION INLET (MECH. ANNEX)	0,2
	040086010	X		X	2SET	POWER HOUSE VENTILATION OUTLET	1,7

NOTE:

ONLY MAIN EQUIPMENT SHOWN (SUFFICIENT FOR STATIC CALCULATIONS)

LIVE LOAD	
LEVEL	kg/m²
± 0,00	1000

IN ORDER TO ACCHIEVE AN OPTIMAL PIPE ARRANGEMENT, THE POSITION OF EQUIPMENT PARTS MIGHT SLIGHTLY CHANGE DURING DESIGN WORKS.

SITE PLAN SEE: 11.83005-0344

Allgemeintoleranz ISO 2768-mK Kanten ISO 13715 Oberflächenbeschaffenheit ISO 1302
The tolerances class in acc. with ISO 2768-mK Edges acc. w. ISO 13715 Indication of surface texture ISO 1302

Zeichng.-Nr./Auftraggeber / Customer Drg.No.: Auftraggeber / Customer: CALLEBAUT
Verwendungsbereich / Range of application: 5300260
Typ: 2 X 18V 48/60
Ship-/Dpkg.-Nr.: Dpkg.-Nr.:
Zeichg.-Nr. Lizenz / Drg.No. Licence:
Werkstoff,Halbzeug/Material:
Maßstab / Scale: 1:100
Gewicht/Weight
Ausgangsmaterial-Nr./ Parent part No
Modell- oder Gesenk-Nr.: / Pattern or die No.:

	Datum / Date	Name
Bearbeitet / Designed:	2007	
Gepr./Gepr. Checked:	02.04	STRÖHER J
	18.04	BABA

- 2700000004 18 34 37 STR

LAYOUT PLAN
CALLEBAUT, BELGIUM

Zust. Änderung-Nr. / State Revision-No.: Datum / Date: Name
Entstanden aus / Originated from:
Ersatz für / Replacement for:
Ersetzt durch / Replaced by:

DRW 11830050343 CCD
Blatt / Sheet 1/02
Format A0
Rev. 03

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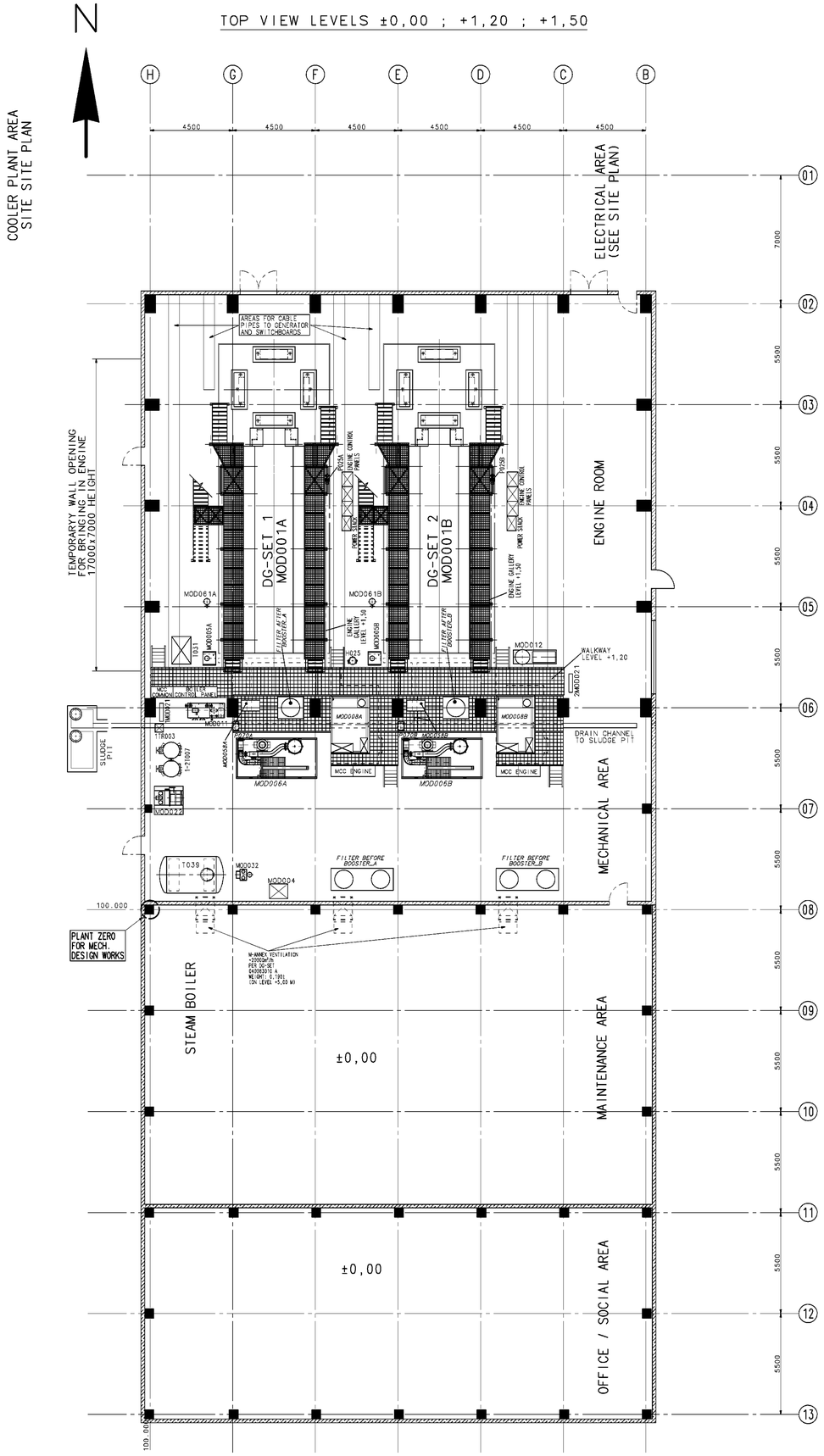
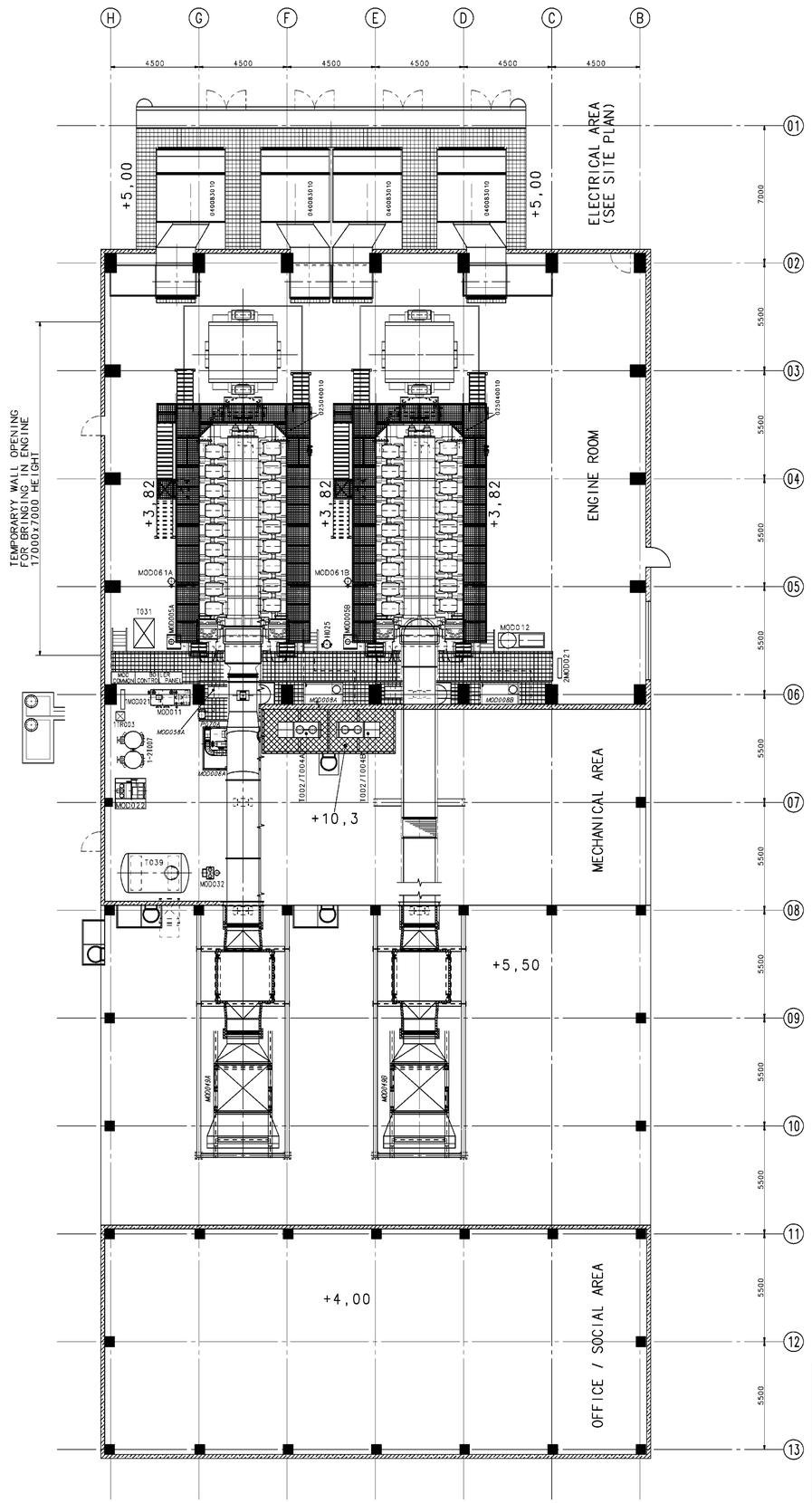
TOP VIEW LEVELS ±0,00 ; +1,20 ; +1,50



TOP VIEW UP TO LEVEL +3,82 ; +5,00 ; +5,50 ; +9,00 ; +10,30



IN ORDER TO ACCHIEVE AN OPTIMAL PIPE ARRANGEMENT, THE POSITION OF EQUIPMENT PARTS MIGHT SLIGHTLY CHANGE DURING DESIGN WORKS.

Allgemeintoleranz ISO 2768-mK The tolerances class in acc. with ISO 2768-mK	Kanten ISO 13715 Edges acc. w.ISO 13715	Oberflächenbeschaffenheit ISO 1302 Indication of surface texture ISO 1302	
Zeichng.-Nr./Auftraggeber / Customer Drg.No.	Auftraggeber / Customer: CALLEBAUT	Verwendungsbereich / Range of application: 5300260	
Typ. Type 2 x 18V 48/60 Drg.-Zeichg.-Nr. Drg.Drg.No.	Zeichg.-Nr. Licenz / Drg.No. Licence	Werkstoff/Halbzeug/Material:	
	Maßstab / Scale: 1:100	Ausgangsmaterial-Nr.: Parent part No.: Modell-oder Gesamt-Nr.: Pattern or die No.:	Gewicht/Weight
	2007 Datum Date Name Name		
	Gezeichnet Drawn 02.04 STROEHER J		
	Geprüft Checked 18.04 BABA		
- 2700000004 18.04.07 STR		LAYOUT PLAN	
Zust. Änderungs-Nr. Datum Name State Revision-No. Date Name		CALLEBAUT, BELGIUM	
Entstanden aus / Originated from:	MAN	DRW 11830050343	CCD Blatt Sheet A0 Zeit 02/02 Files 03
Ersatz für / Replacement for:	Ersetzt durch / Replaced by:		

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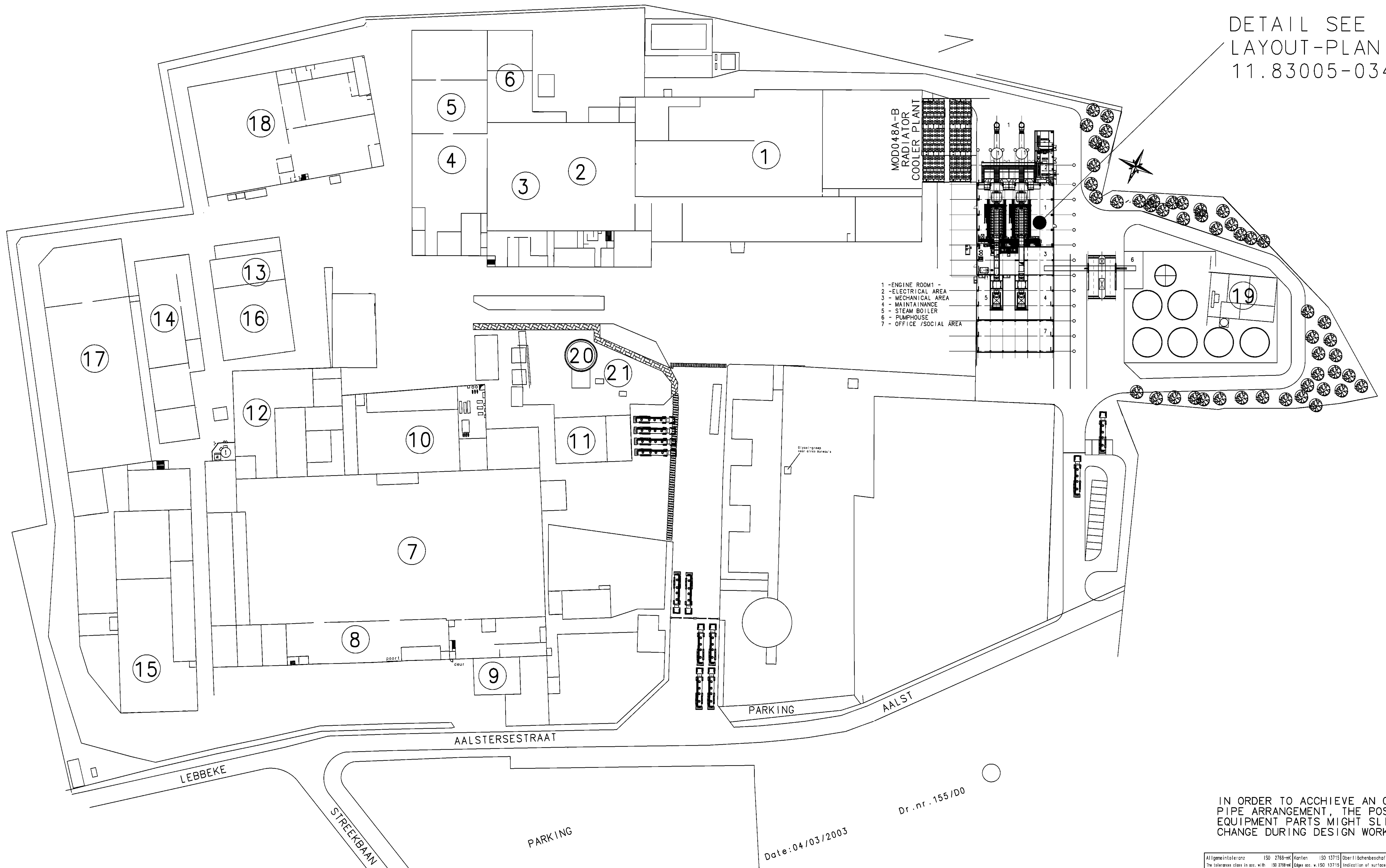
INPLANTATION PLAN



IN ORDER TO ACCHIEVE AN OPTIMAL PIPE ARRANGEMENT, THE POSITION OF EQUIPMENT PARTS MIGHT SLIGHTLY CHANGE DURING DESIGN WORKS.

Allgemeintoleranz ISO 2768-mK / The tolerances class in acc. with ISO 2768-mK	Kanten ISO 13715 / Edges acc. w. ISO 13715	Oberflächenbeschaffenheit ISO 1302 / Indication of surface texture ISO 1302	
Zeichng.-Nr. Auftraggeber / Customer Drg.No:	Auftraggeber / Customer: CALLEBAUT	Verwendungsbereich / Range of application: 5300260	
Typ / Type 2 X 18V 48/60	Zchg.-Nr. Lizenz / Drg.No. Licence:	Werkstoff, Halbzeug/Material:	
Grp.-Zchg.-Nr. / Grp.Drg.No.	Maßstab / Scale: 1:500	Ausgangsmaterial-Nr: / Parent part No: / Modell-oder Gesenk-Nr: / Pattern or die No:	Gewicht/Weight
- 2700000004 18.04.07 STR	2007 Datum/Date Name/Name; Gezeichnet/Drawn 02.04 STROEHER J; Geprüft/Checked 18.04 BABA	SITE PLAN CALLEBAUT, BELGIUM	
Zust./State Änderungs-Nr./Revision-No. Datum/Date Name/Name			
Entstanden aus / Originated from:	MAN	DRW 11830050344	CCD; Blatt/Sheet ZVS 01/01; A0 Files 05
Ersatz für / Replacement for:	Ersetzt durch / Replaced by:		

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