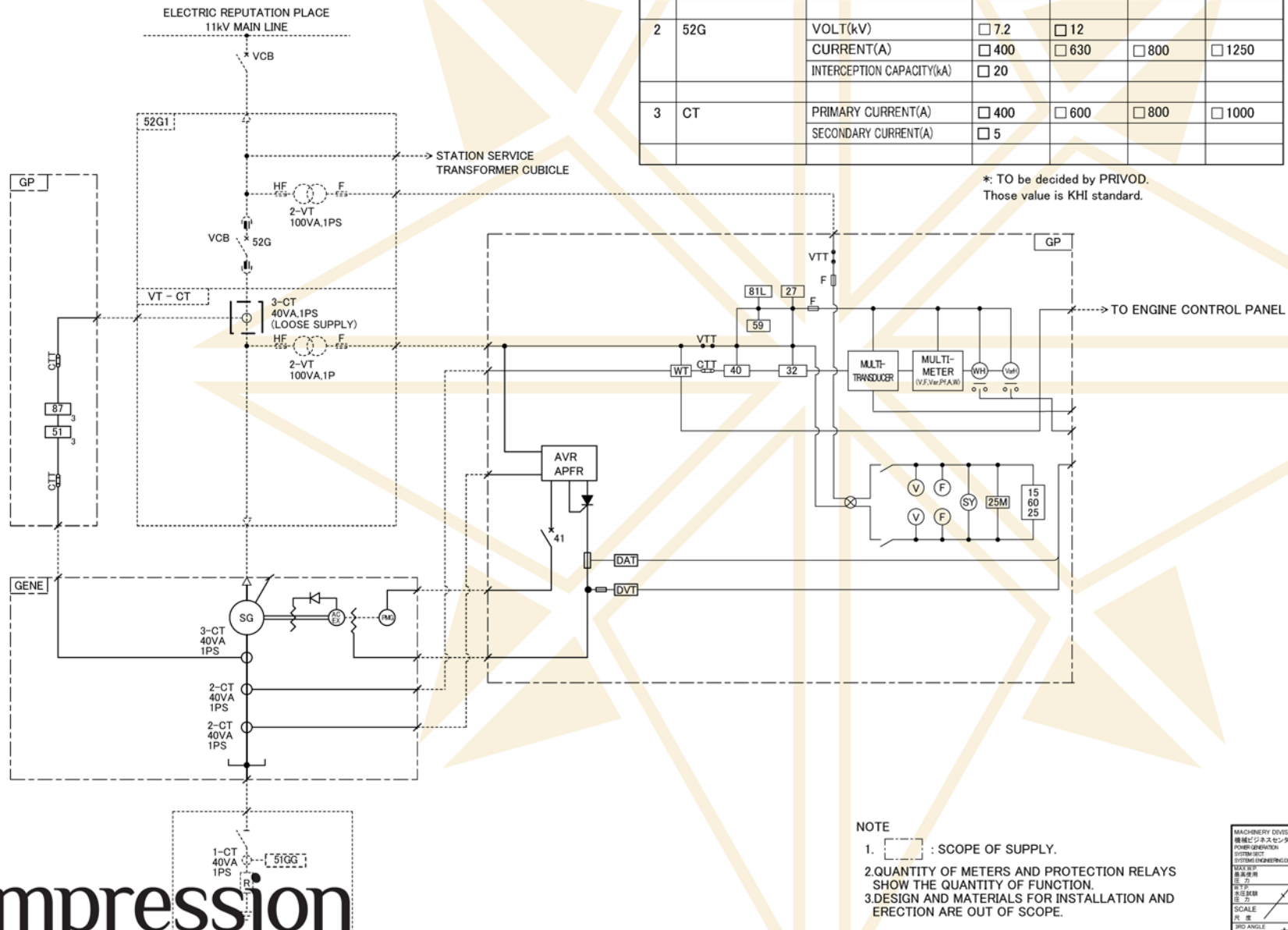


GENERATOR RATING LIST

No.	MACHINERY NAME	ITEM	RATING VALUE			
1	SG	CAPACITY(kVA)	<input type="checkbox"/> 6,500	<input type="checkbox"/> 8,538	<input type="checkbox"/> 8,663	<input type="checkbox"/> 9,750
			<input type="checkbox"/> 6,250	<input type="checkbox"/> 7,288	<input type="checkbox"/> 8,338	<input type="checkbox"/> 9,375
		* VOLT(kV)	<input type="checkbox"/> 6.6	<input type="checkbox"/> 11		
		FREQUENCY(Hz)	<input type="checkbox"/> 60	<input type="checkbox"/> 50		
		POLE(P)	<input type="checkbox"/> 10	<input type="checkbox"/> 8		
		REVOLUTION(min ⁻¹)	<input type="checkbox"/> 720	<input type="checkbox"/> 750		
		* POWER FACTOR	<input type="checkbox"/> 80%LAG			
2	52G	VOLT(kV)	<input type="checkbox"/> 7.2	<input type="checkbox"/> 12		
		CURRENT(A)	<input type="checkbox"/> 400	<input type="checkbox"/> 630	<input type="checkbox"/> 800	<input type="checkbox"/> 1250
		INTERCEPTION CAPACITY(kA)	<input type="checkbox"/> 20			
3	CT	PRIMARY CURRENT(A)	<input type="checkbox"/> 400	<input type="checkbox"/> 600	<input type="checkbox"/> 800	<input type="checkbox"/> 1000
		SECONDARY CURRENT(A)	<input type="checkbox"/> 5			

LEGEND

- SG :SYNCHRONOUS GENERATOR
- AC EX :AC EXCITER
- PMG :PERMANENT MAGNETIC GENERATOR
- AVR :AUTOMATIC VOLTAGE REGULATOR
- VCB :VACUUM CIRCUIT BREAKER
- VT :POTENTIAL TRANSFORMER
- VTT :TEST TERMINAL FOR PT
- CT :CURRENT TRANSFORMER
- CTT :TEST TERMINAL FOR CT
- A :AM METER
- V :VOLT METER
- F :FREQUENCY METER
- PF :POWER FACTOR METER
- W :WATT METER
- VAR :VAR METER
- WH :WATT HOUR METER
- VarH :VAR HOUR METER
- SY :SYNCHRO SCOPE
- TI :TEMPERATURE INDICATOR
- WT :WATT TRANSDUCER
- DAT :FIELD CURRENT TRANSDUCER
- DVT :FIELD VOLTAGE TRANSDUCER
- 15,25,60 :AUTOMATIC SYNCHRONIZER
- 27 :UNDER VOLTAGE RELAY
- 32 :REVERSE POWER RELAY
- 40 :LOSS OF EXCITATION RELAY
- 51 :OVER CURRENT RELAY
- 51GG :GROUNDING OVER CURRENT RELAY
- 59 :OVER VOLTAGE RELAY
- 81L :LOW FREQUENCY RELAY
- 87 :RATIO DIFFERENTIAL RELAY
- 52G1 :GENERATOR CIRCUIT BREAKER CUBICLE
- VT-CT :VT - CT CUBICLE
- GENE :GENERATOR AND ACCESSORIES
- GP :GENERATOR CONTROL PANEL
- AVR :AUTOMATIC VOLTAGE REGULATOR



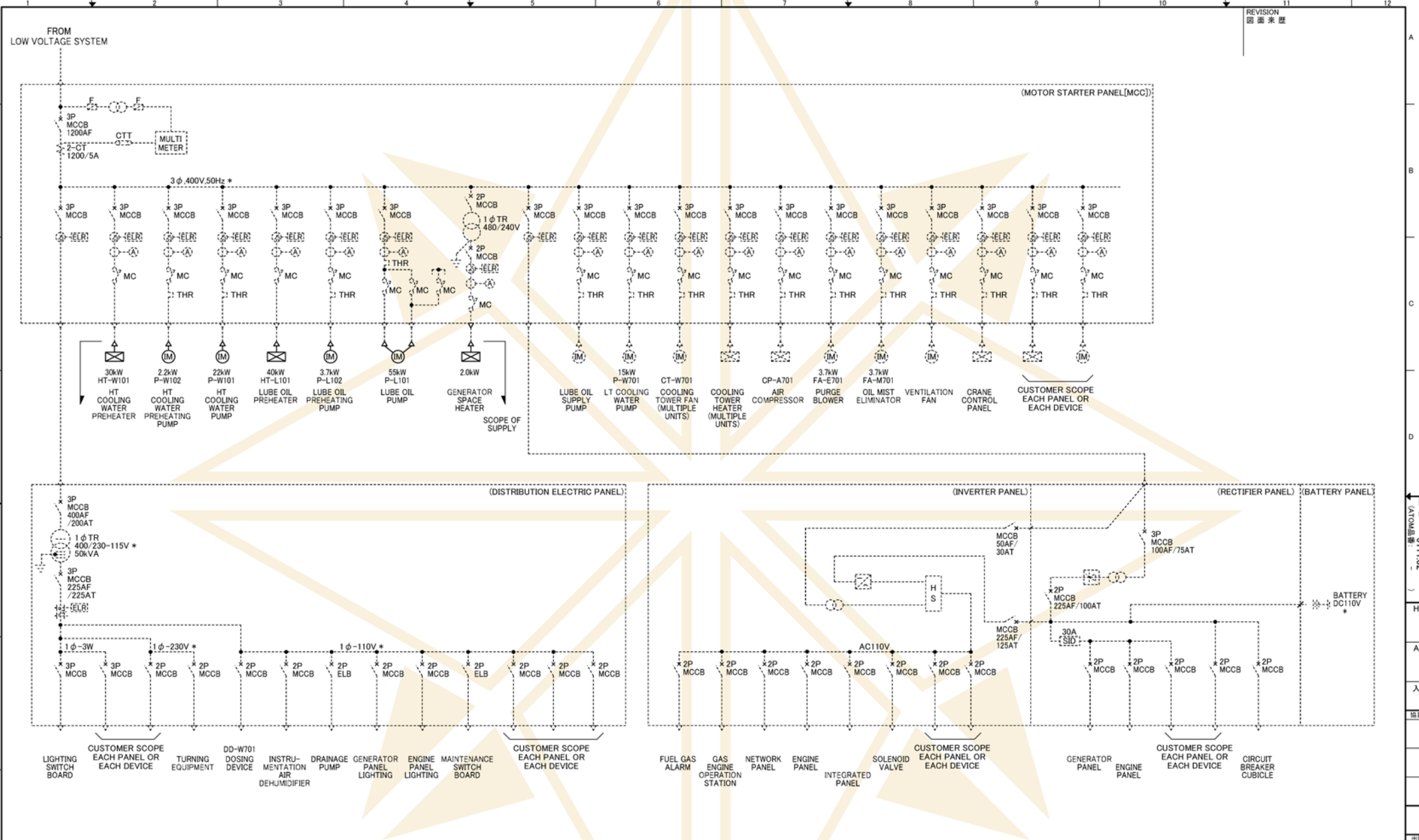
*: TO be decided by PRIVOD.
Those value is KHI standard.

- NOTE
- : SCOPE OF SUPPLY.
 - QUANTITY OF METERS AND PROTECTION RELAYS SHOW THE QUANTITY OF FUNCTION.
 - DESIGN AND MATERIALS FOR INSTALLATION AND ERECTION ARE OUT OF SCOPE.

ANNEX-4(1/2)

MACHINERY DIVISION 機械エンジニアリングセンター POWER GENERATION SYSTEMS SYSTEMS ENGINEERING DEPT	APPROVED 承認	OWNER 注文主 ORDER NO.	FILE NO.
TYPE 型式 KG-12 GAS ENGINE GENERATOR (11kV,50Hz)	CHECKED 審査	工務 検査	
SCALE 3RD ANGLE PROJECTION	DRAWN 作成	出図日	
DWG NO. 図番 C103B-6010.01		REV.	





SCOPE OF SUPPLY

No.	EQUIPMENT	SCOPE OF SUPPLY
1	MOTOR STARTER PANEL	OUT OF KHI'S SCOPE
2	DISTRIBUTION ELECTRIC PANEL	OUT OF KHI'S SCOPE
3	INVERTER PANEL	OUT OF KHI'S SCOPE
4	RECTIFIER PANEL	OUT OF KHI'S SCOPE
5	BATTERY PANEL	OUT OF KHI'S SCOPE

NOTE

- 1.THIS DIAGRAM IS SHOWN THE SPECIFICATION PER ONE(1) UNIT OF GAS ENGINE GENERATOR.
- 2.LOW VOLTAGE SYSTEM FOR GAS ENGINE HOUSE LOAD IS OUT OF SCOPE.
- 3.THE VOLTAGE VALUE IS DEPENDED ON THE JOB SITE CONDITION.
- 4.DESIGN AND MATERIALS FOR INSTALLATION AND ERECTION ARE OUT OF SCOPE.

MACHINERY DIVISION 機械ビジネスセンター POWER GENERATION SYSTEMS SYSTEMS ENGINEERING DEPT		APPROVED 承認	OWNER 注文主 ORDER NO. 工務 作成 TYPE 型式 GAS ENGINE GENERATOR
CHECKED 審査	DRAWN 図面	SINGLE LINE DIAGRAM LOW VOLTAGE CIRCUIT (FOR 1unit)	
SCALE 1/100	DATE 2010.10.10	DWGNO. C103B-6010.02	REV.
3RD ANGLE PROJECTION	出図先	KAWASAKI HEAVY INDUSTRIES, LTD. KOBE JAPAN (A1-2型)	



Please check the voltage comparing with in Russian Standard voltage.

図番 6111.02
 (A10)組番
 入
 出図先
 出図日