NO.	DESCRIPTION	QTY	DIGITAL		ANALOG		HLI	SENSOR / DEVICE	KETERANGAN
			DI	DO	AI	AO			
	TOP LAYER		MIDDLE LAYER					LOW LAYER	
1	**LANTAI GF**								
	- MDP-KANTOR	1							
	Incoming								
	* On / Off Status		1					Dry Contact	
	* Trip Alarm		1					Dry Contact	
	* Digital Power Meter (V, A, kW, kWh, kVar, Hz, CosPhi)						1	Power Meter w/ ModBus Comm	Modbus RS485
	- DP-DATA CENTER	1							
	Incoming								
	* On / Off Status		1					Dry Contact	
	* Trip Alarm		1					Dry Contact	
	* Digital Meter (V, A, kW, kWh, kVar, Hz, CosPhi)						1	Power Meter w/ ModBus Comm	Modbus RS485
	- PL-GF	1							
	Incoming								
	* On / Off Status		1					Dry Contact	
	* Trip Alarm		1					Dry Contact	
	* Digital Meter (V, A, kW, kWh, kVar, Hz, CosPhi)						1	Power Meter w/ ModBus Comm	Modbus RS485
	Outgoing	2							
	* Start / Stop			2				Relay	
	* On / Off Status		2					Dry Contact	
	- PP-VAC.GF	1							
	Incoming								
	* On / Off Status		1					Dry Contact	
	* Trip Alarm		1					Dry Contact	
	* Digital Meter (V, A, kW, kWh, kVar, Hz, CosPhi)						1	Power Meter w/ ModBus Comm	Modbus RS485
	- PP-EC	1							
	Incoming								
	* On / Off Status		1					Dry Contact	
	* Trip Alarm		1					Dry Contact	
	* Digital Meter (V, A, kW, kWh, kVar, Hz, CosPhi)						1	Power Meter w/ ModBus Comm	Modbus RS485
2	**LANTAI 1**								
	- PL-1	1							
	Incoming								
	* On / Off Status		1					Dry Contact	
	* Trip Alarm		1					Dry Contact	
	* Power Meter (V, A, kW, kWh, kVar, Hz, CosPhi)						1	Power Meter w/ ModBus Comm	Modbus RS485
	Outgoing	3							
	* Start / Stop			3				Relay	
	* On / Off Status		3					Dry Contact	
	- PP-VAC.1	1							
	Incoming								
	* On / Off Status		1					Dry Contact	
	* Trip Alarm		1					Dry Contact	
	* Digital Meter (V, A, kW, kWh, kVar, Hz, CosPhi)						1	Power Meter w/ ModBus Comm	Modbus RS485
	- PP-AUDITORIUM	1							
	Incoming								
	* On / Off Status		1					Dry Contact	
	* Trip Alarm		1					Dry Contact	
	* Digital Meter (V, A, kW, kWh, kVar, Hz, CosPhi)						1	Power Meter w/ ModBus Comm	Modbus RS485
3	**LANTAI 2**								
	- PL-2	1							
	Incoming								
	* On / Off Status		1					Dry Contact	
	* Trip Alarm		1					Dry Contact	
	* Power Meter (V, A, kW, kWh, kVar, Hz, CosPhi)						1	Power Meter w/ ModBus Comm	Modbus RS485
	Outgoing	5							
	* Start / Stop			5				Relay	
	* On / Off Status		5					Dry Contact	
	- PP-VAC.2	1							
	Incoming								
	* On / Off Status		1					Dry Contact	
	* Trip Alarm		1					Dry Contact	
	* Digital Meter (V, A, kW, kWh, kVar, Hz, CosPhi)						1	Power Meter w/ ModBus Comm	Modbus RS485
4	**LANTAI 3**								
	- PL-3	1							
	Incoming								
	* On / Off Status		1					Dry Contact	
	* Trip Alarm		1					Dry Contact	
	* Power Meter (V, A, kW, kWh, kVar, Hz, CosPhi)						1	Power Meter w/ ModBus Comm	Modbus RS485
	Outgoing	2							
	* Start / Stop			2				Relay	
	* On / Off Status		2					Dry Contact	
	- PP-VAC.3	1							
	Incoming								
	* On / Off Status		1					Dry Contact	
	* Trip Alarm		1					Dry Contact	
	* Digital Meter (V, A, kW, kWh, kVar, Hz, CosPhi)						1	Power Meter w/ ModBus Comm	Modbus RS485

NO.	DESCRIPTION	QTY	DIGITAL		ANALOG		HLI	SENSOR / DEVICE	KETERANGAN
			DI	DO	AI	AO			
5	**LANTAI 3A**								
	- PL-3A	1							
	Incoming								
	* On / Off Status		1					Dry Contact	
	* Trip Alarm		1					Dry Contact	
	* Power Meter (V, A, kW, kWh, kVar, Hz, CosPhi)						1	Power Meter w/ ModBus Comm	Modbus RS485
	Outgoing	2							
	* Start / Stop			2				Relay	
	* On / Off Status		2					Dry Contact	
	- PP-VAC.3A	1							
	Incoming								
	* On / Off Status		1					Dry Contact	
	* Trip Alarm		1					Dry Contact	
	* Digital Meter (V, A, kW, kWh, kVar, Hz, CosPhi)						1	Power Meter w/ ModBus Comm	Modbus RS485
6	**LANTAI ATAP**								
	- SDP-ATAP	1							
	Incoming								
	* On / Off Status		1					Dry Contact	
	* Trip Alarm		1					Dry Contact	
	* Digital Meter (V, A, kW, kWh, kVar, Hz, CosPhi)						1	Power Meter w/ ModBus Comm	Modbus RS485
	- PP-LIFT	1							
	Incoming								
	* On / Off Status		1					Dry Contact	
	* Trip Alarm		1					Dry Contact	
	* Digital Meter (V, A, kW, kWh, kVar, Hz, CosPhi)						1	Power Meter w/ ModBus Comm	Modbus RS485
	- PP-OU.VRF	1							
	Incoming								
	* On / Off Status		1					Dry Contact	
	* Trip Alarm		1					Dry Contact	
	* Digital Meter (V, A, kW, kWh, kVar, Hz, CosPhi)						1	Power Meter w/ ModBus Comm	Modbus RS485
	- ROOF WATER TANK (TN.101)	1							
	* High Level Alarm		1					Water Level Switch	
	* Low Level Alarm		1					Water Level Switch	
	- POMPA DISTRIBUSI AIR BERSIH(PU.101/A&B)	2							
	* On / Off Status		2					Dry Contact	
	* Trip Alarm		2					Dry Contact	
	* Quantity Meter						3	Water Meter w/ Modbus Com.	
	- PC-BOOSTER PUMP(PU.101/A&B)	1							
	Incoming								
	* On / Off Status		1					Dry Contact	
	* Trip Alarm		1					Dry Contact	
	- PC-FAN(EAF-A/01, FAF-A/01, SEF-A/01, SMA-A/01)	4							
	Incoming								
	* On / Off Status		4					Dry Contact	
	* Trip Alarm		4					Dry Contact	
	- PC-AC COMBINER	1							
	Incoming								
	* On / Off Status		1					Dry Contact	
	* Trip Alarm		1					Dry Contact	
	TOTAL POINT TOWER		**66**	**14**	**0**	**0**	**20**		

NO.	DESCRIPTION	DIGITAL		ANALOG		HLI	TOTA	KETERANGAN
		IN	OUT	IN	OUT			
I	**MECHANICAL & ELECTRICAL SYSTEM**	66	14	-	-	20	100	
	T O T A L	**66**	**14**	**-**	**-**	**20**	**100**	

OWNER/CLIENT

sawit

APPROVED : .../.../'...

..... (name)
..... (position)
(signed) ..... (Dep./Div.)

PROJECT

BPDP
KELAPA SAWIT

JL.Medan Merdeka Tim, RT.7/RW.1, Gambir, Kec. Gambir, Kota Jakarta Pusat, Daerah Khusus Ibukota Jakarta 10110

INTERIOR DESIGN CONSULTANT

PT. IMADEA MAGKASAMA

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Kel. Kampung Bali, Kec. Tanah Abang, Jakarta Pusat
Telp. 021 - 2303483 , Fax. 021 - 2303483
APPROVED : //

MEP CONSULTANT

PT. DUTA PRATAMA ENGINEERING
MECHANICAL & ELECTRICAL ENGINEER
Rukan Taman Meruya Blok M No. 37, Jl. Batu Mulia No. 1
Meruya Utara Kembangan – Jakarta Barat 11620
Phone : 021-5845546, 5845547, 5845556, Fax : 021-58474531
Email : dpept.me@gmail.com, ptdpe.me@yahoo.com

DRAWING TITLE

POINT BMS

SCALE : NTS

ALL MEASUREMENT MUST BE CHECKED AT BY SITE BY THE CONTRACTORS AND ANY DIFFERENCES REPORTED/INITIATED TO THE DESIGNER FOR CLARIFICATION BEFORE PROCEEDING.

#	REVISION :	DATE
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DRAWN
Denny
DATE : 15/05/24

CHECKED
Widodo
DATE : 15/05/24

DRAWING NUMBER
EC-801

PAGE

DRAWING FOR
TENDER

DATE : 2024/05/10