

DETAIL INSTALLATIONS FOR LIGHTNING PROTECTION

DOCUMENT REVIEW STATUS			
☒	APPROVED		
☐	APPROVED WITH COMMENT		
☐	May Proceed to the next stage, resubmit corrected document for final approval		
☐	REVIEWED / COMMENTED		
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☐	FOR INFORMATION ONLY		
☐	REJECTED		

CHECK BY	DATE	INITIAL	SIGN
	11/6/2008	SS	[Signature]

[illegible]

BILL OF MATERIAL			DESCRIPTION
ITEM	QTY	UNIT	
1	1	EA	AMP TERMINAL COPPER QAD DIA 5/8" (16mm) x 1000mm LG, EPOD #UC2418 OR EQUIVALENT
2	1	EA	REDUCER 5/4" TO 5/8"
3	1	EA	2" PIPE ISOLATOR/ADAPTER, EPOD # NITOP-AD25NP OR EQUIVALENT
4	2	EA	ROD CLAMP FOR 1 CONDUCTOR C/W U-BOLT, NUT & WASHER, UNITECH #UC301 OR EQUIVALENT
5	AS REQ'D	W	70 strand STAINLESS COPPER CONDUCTOR PVC INSULATED (GREEN-YELLOW)
6	AS REQ'D	W	CABLE TIE STAINLESS STEEL 520mm
7	AS REQ'D	W	35 strand STAINLESS COPPER CONDUCTOR PVC INSULATED (GREEN-YELLOW)
8	1	EA	COMPRESSION CABLE LUG 35 strand, 1 HOLE DIA. 8mm, PADOUT # LCM435-B-C OR EQUIVALENT
9	1	EA	BOLT HEX. HD M6 x 25mm C/W NUT, FLAT & SPRING WASHER STAINLESS STEEL
10	AS REQ'D	m	GALVANIZED PIPE HEAVY DUTY DIA. 25mm
11	AS REQ'D	m	SADDLE CLAMP FOR CONDUIT DIA. 25mm, 1 HOLE HOT DIP GALVANIZED
12	AS REQ'D	EA	WASHER, ANCHOR EXTERNAL, HEATED M6 x 50mm LG C/W NUT AND
13	AS REQ'D	kg	COMPOUND DUCT SEAL
14	4	EA	ANCHOR BOLT DIA. 16mm
15	1	EA	CLAMP & BOLT
16	10	EA	ROUND BAR #10

NOTE :

- VENDOR TO BE ADVISE.
- AS PER CALCULATION SOLAR PANEL & BATTERY BANK.
- USED RUBBER CABLE GLAND TO PREVENT THE WATER.
- FOUNDATION ANCHOR BOLT LIGHTING POLE SUPPLY BY VENDOR, INCLUDE BASE PLATE.
- FOR DETAIL OF FOUNDATION LIGHTING POLE C/W BASE PLATE & ANCHOR BOLT SEE DRAWING NO. PTG-BLKM-40-SIP-DRW-030.
- STREET LIGHT LED TYPE :
 - BEL 1-L-001 & BEL 1-L-002
 - KIM 2-L-001 & KIM 2-L-002
 - KIM 3-L-001 & KIM 3-L-002
 - KIM 4-L-001 & KIM 4-L-002
 - KIM 5-L-001 & KIM 5-L-002
 - KIM 6-L-001 & KIM 6-L-002
 - KIM 7-L-001 & KIM 7-L-002
 - KIM 8-L-001 & KIM 8-L-002
- PAINT PAI. 7006, 2mm THICKNESS.

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ACKN BY: Initial

DATE: **16/6/2025**

DATE: **16/6/2025**

NO	REFERENCE	DESCRIPTION	REV
1	PTG-BLKM-40-EL-SIP-001	SPECIFICATION FOR ELECTRICAL INSTALLATION	0
2	PTG-BLKM-40-SIP-DRW-001	DETAIL OF LIGHTING FOUNDATION & STRUCTURE	0

REV	DATE	REVISION	CHK'D	APP'D	PERMAGAS
1	11/02/15	RE-ASSUED FOR CONSTRUCTION	SS	ATG	ARF
0	14/07/14	ISSUED FOR CONSTRUCTION	SS	ATG	ARF
B	07/07/14	ISSUED FOR APPROVAL	SS	ATG	ARF
A	26/06/14	ISSUED FOR REVIEW	SS	ATG	ARF
REV	DATE	REVISION	CHK'D	APP'D	PERMAGAS
SCALE	NIS	DESIGNED : SS	CPM / SCT	DRAWING : DD	APP:



CLIENT: **PERTAMINAGAS**

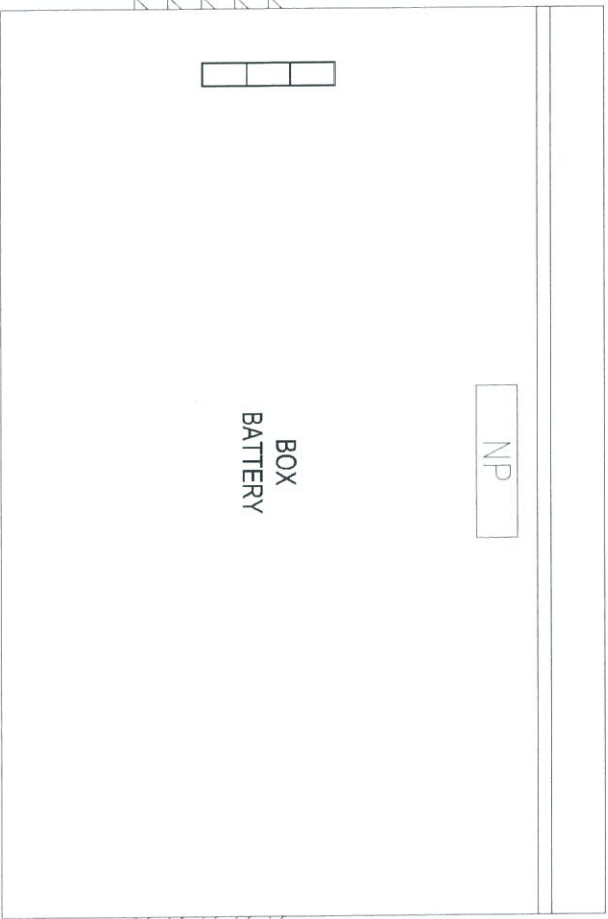
CONTRACTOR: **CPM**

PROJECT: **JASA PERANGKAMAN PENGADAAN KONSTRUKSI DAN KOMISIONING PIPA TRANSMISI GAS DARI BELAYAN - KIM-KEK**

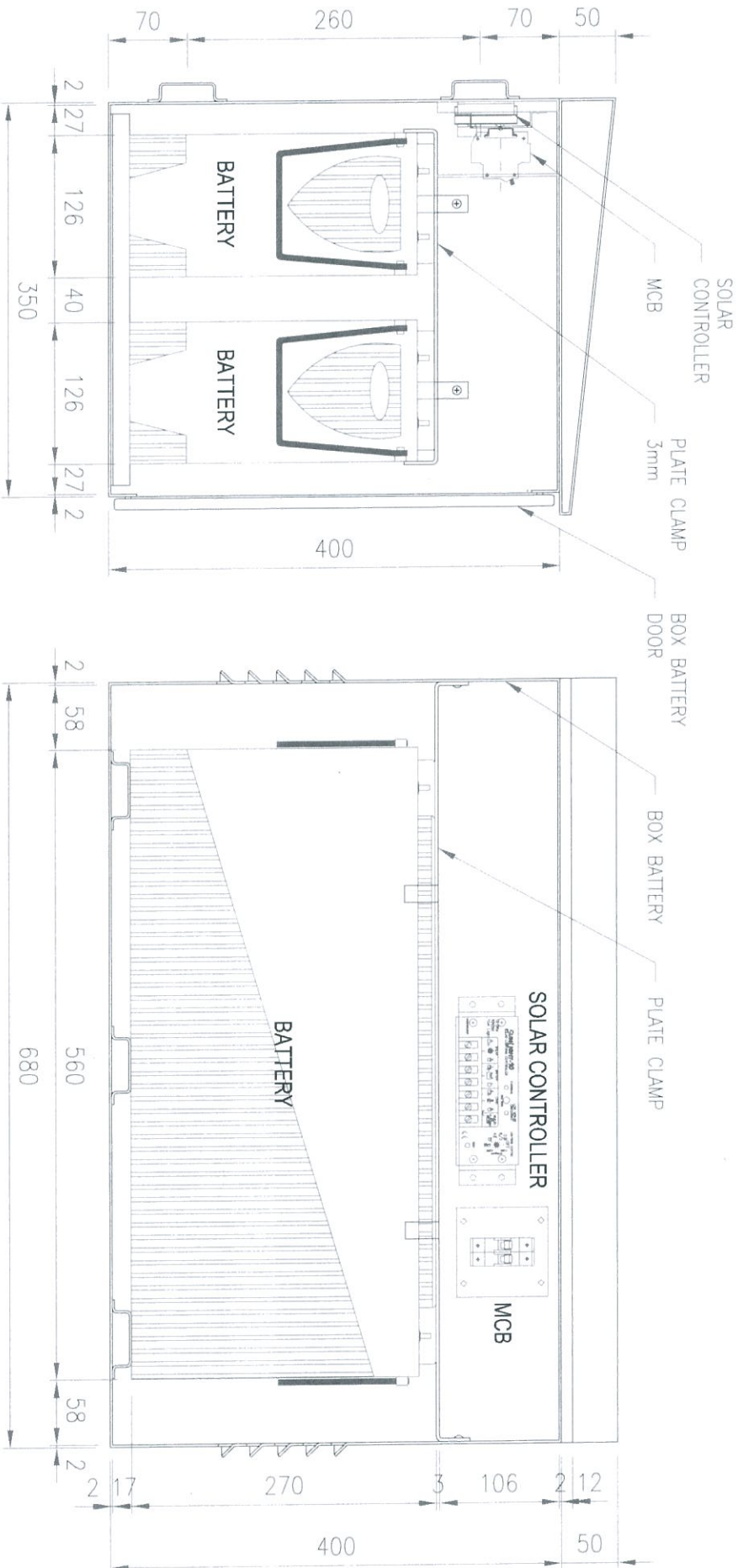
DETAIL DESIGN

TITLE: **DETAIL INSTALLATION FOR EARTHING & LIGHTNING PROTECTION AIR TERMINAL AT LIGHTING POLE**

DRAWING NO.	PTG-BLKM-00-EL-DRW-010	RE-IFC
FILE NAME	-	1



PLAN VIEW



SIDE VIEW

SIDE VIEW

NOTE :

- NAME PLATE MUST BE PROVIDE BY VENDOR.
- BEL 1-ED-001 (LBCV-KM 8)
 - KIM 1-ED-001 (LBCV-KM 16)
 - KIM 2-ED-001 (LBCV-KM 32)
 - KIM 3-ED-001 (LBCV-KM 48)
 - KIM 4-ED-001 (LBCV-KM 64)
 - KIM 5-ED-001 (LBCV-KM 80)
 - KIM 6-ED-001 (LBCV-KM 96)
 - KIM 7-ED-001 (LBCV-KM 112)
- MATERIAL BOX BATTERY (PANEL) SHOULD BE 2-3mm & FINISHING WITH POWDER COATING RAL 7006, IP 65.
- ALL PANEL BATTERY BOX SHOULD BE INSTALLED COMPLETED WITH BATTERY & REFER TO PG-BLKM-SLD-DPW-01-01 (SINGLE LINE STREET LIGHTING).

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NO	REFERENCE	DESCRIPTION	REV
1	PG-BLKM-00-EL-90-001	SPECIFICATION FOR ELECTRICAL INSTALLATION	0
2	PG-BLKM-00-SP-90M-000	DETAIL OF LIGHTING FOUNDATION & STRUCTURE	0

1	11/02/15	RE-ASSUED FOR CONSTRUCTION	SS	ATS	ARF
0	14/07/14	ISSUED FOR CONSTRUCTION	SS	ATS	ARF
B	07/07/14	ISSUED FOR APPROVAL	SS	ATS	ARF
A	26/06/14	ISSUED FOR REVIEW	SS	ATS	ARF
REV.	DATE	REVISION	CHK'D	APP'D	APP'D
SCALE :	NIS	DESIGNED : SS	CPM / SCT	PERTAGAS	APP.

CLIENT:



CONTRACTOR:



PROJECT: JASA PERANCANGAN PENGADAAN KONSTRUKSI DAN KOMISIONING PIPA TRANSMISI GAS DARI BELAWAN - KIM-KEK

DETAIL DESIGN

TITLE: DETAIL INSTALLATION FOR EARTHING & LIGHTNING PROTECTION AIR TERMINAL AT ELECTRICAL BUILDING, LBCV AREA SHT 5 OF 5

DRAWING NO.	PIG-BLKM-00-EL-DPW-010	RE-IFC
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FILE NAME.	-	1
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