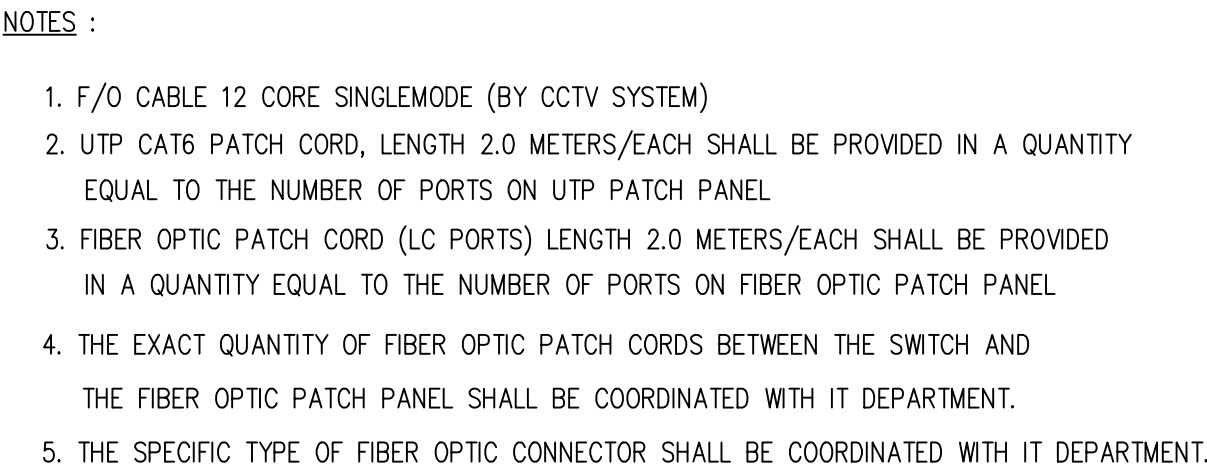


ELECTRICAL AND COMMUNICATION SYSTEM

3G Project Site Office (PS)

[illegible][illegible]



1. DO NOT SCALE OFF THIS DRAWING. WORK FROM THE INDICATED DIMENSION ONLY. ALL SITE DIMENSIONS TO BE VERIFIED BY CONTRACTOR AND ANY DISCREPANCIES REPORTED BACK TO "DOW CONSORTIUM".
2. MANUFACTURERS MUST SUBMIT SHOP DRAWING AND ALL FINISH SAMPLES PRIOR TO PRODUCTION FOR APPROVAL BY DESIGNER.
3. ALL DIMENSIONS ARE MILLIMETRES UNLESS OTHERWISE NOTED.

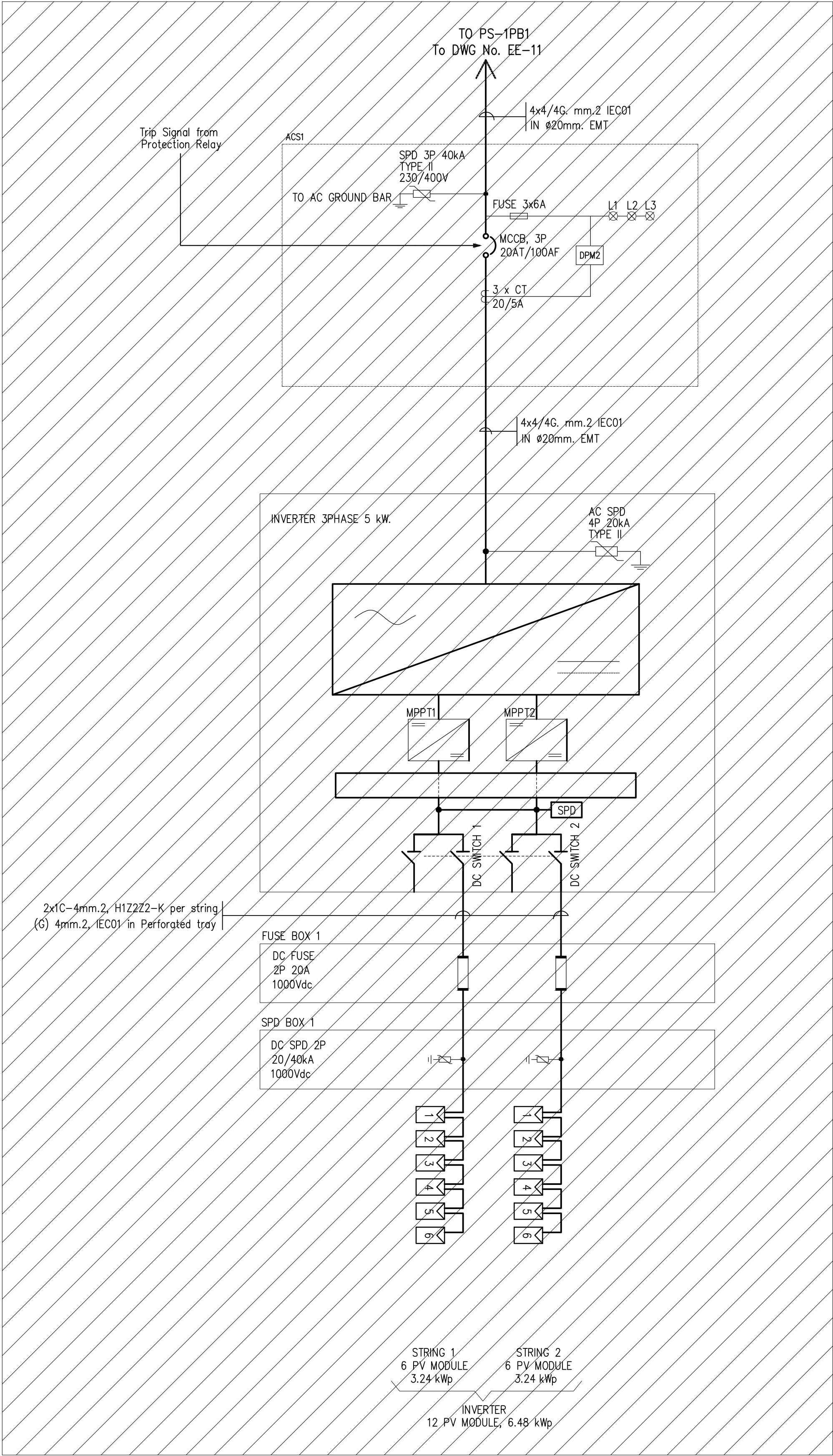
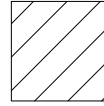


DIAGRAM PV SOLAR ROOFTOP

NOTE:



– SCOPE OF WORKS BY OTHER (NOT INCLUDED IN BIDDING PROPOSAL)

1. The exact STRING arrangement for the PV MODILE shall be based on the manufacturer's instructions.
2. The MPPT number of the INVERTER may change according to the product selected, but must not be less than specified in the model assembly list.
3. The INVERTER equipment selected must pass various tests as specified by the local electrical authority and have documentation confirming the test.
4. Installation must be in accordance with the latest electrical installation standards for Thailand.
Electrical installation standards for Thailand: Solar power generation systems installed on rooftops, latest edition.
5. Grounding system of solar power generation system are within the scope of contractor.
6. The Ic rated of the device is based on site installation. The contractor must install it in accordance with the actual work site.

OWNER :
SYNCHROTRON LIGHT RESEARCH INSTITUTE
(PUBLIC ORGANIZATION)



PROJECT TITLE :
3 GeV SYNCHROTRON LIGHT SOURCE BUILDING
AND OPERATION BUILDINGS

PROJECT LOCATION :
PATUMVANI SUBDISTRICT, WANG CHAN DISTRICT, RAYONG PROVINCE

DESIGNER :
DKW CONSORTIUM



ARCHITECTURAL CONSULTANT
Kulthorn Luernahawe Se.Lic.Arch. 668
Chatchai Teerawongkarn Se.Lic.Arch. 556

STRUCTURAL CONSULTANT
Assoc. Prof. Dr. Wanchai Theparak Se.Prof.CE. 1331

ARCHITECT
Chunrat Piyathomkul Se.Lic.Arch. 631
Surasak Nuananthalai Lic.Arch. 3208
Uthai Wongsakul Assoc.Arch. 10825
Patandakigh Phadungthai Assoc.Arch. 14702
Pongstien Rattanasriyaputh
Punyaphon Jantawirya

INTERIOR ARCHITECT
Kris Chaitanich Assoc.Arch. 8384, Lic.IA. 100
Sasvatee Kiam
Busanorn Doungrat Assoc.IA. 1096

STRUCTURAL ENGINEER
Dr. Tongthate Naikato Se.Prof.CE. 1751
Wacharapong Prasankhao Prof.CE. 8872
Pongrak Wuthiyin Prof.CE. 10489
Karnyaporn Charnwut Prof.CE. 11227
Thilaporn Althanan Assoc.CE. 74938

STRUCTURAL CALCULATION REPORT INSPECTOR
Kiat Uecharapong Se.Prof.CE. 441
Sudjai Hirawatsawang Se.Prof.CE. 679
Khomsak Khatsroyothin Se.Prof.CE. 1130
Supagorn Rattanasawan Prof.CE. 5436
Kosidit Suklob Prof.CE. 6997

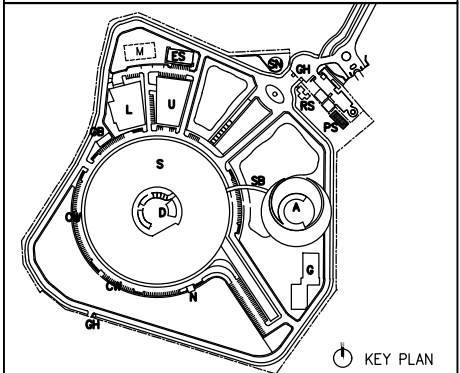
SANITARY AND FIRE PROTECTION ENGINEER
Sirigorn Akonwan Se.Prof.ENV. 86
Theerawat Pijiyapanont Prof.ENV. 453
Darin Sangsarnsemmari Prof.ENV. 593
Nunthit Thongrak Prof.ENV. 609
Nattapatt Ngosso Assoc.ENV. 4803

AIR-CONDITIONING AND VENTILATION SYSTEM ENGINEER
Anon Warawattipon Se.Prof.ME. 913
Montol Praekuntham Prof.ME. 3350
Wandee Kuatrod Prof.ME. 5010
Boonpipat Nimuangpanich Assoc.ME. 45561
Pitthakorn Loraphong Assoc.ME. 44181

LANDSCAPE ARCHITECT
Chansong Jariyapapit Lic.IA. 112
Theepipach Nganchan Assoc.IA. 171

REVISION		
NO.	DATE	DESCRIPTION

Dr. Propang Kiyasubun
3 GeV SYNCHROTRON LIGHT SOURCE BUILDING AND OPERATION BUILDINGS
PROJECT NUMBER



BUILDING :
3G Project Site Office (PS)

DRAWN BY: JRN
CHECKED BY: SPR
DATE: 20 January 2025
SCALE: A1 1:50 A3 1:100

DRAWING TITLE :
DIAGRAM PV SOLAR ROOFTOP

DRAWING NUMBER :
SPSII-C-PS-EE-013

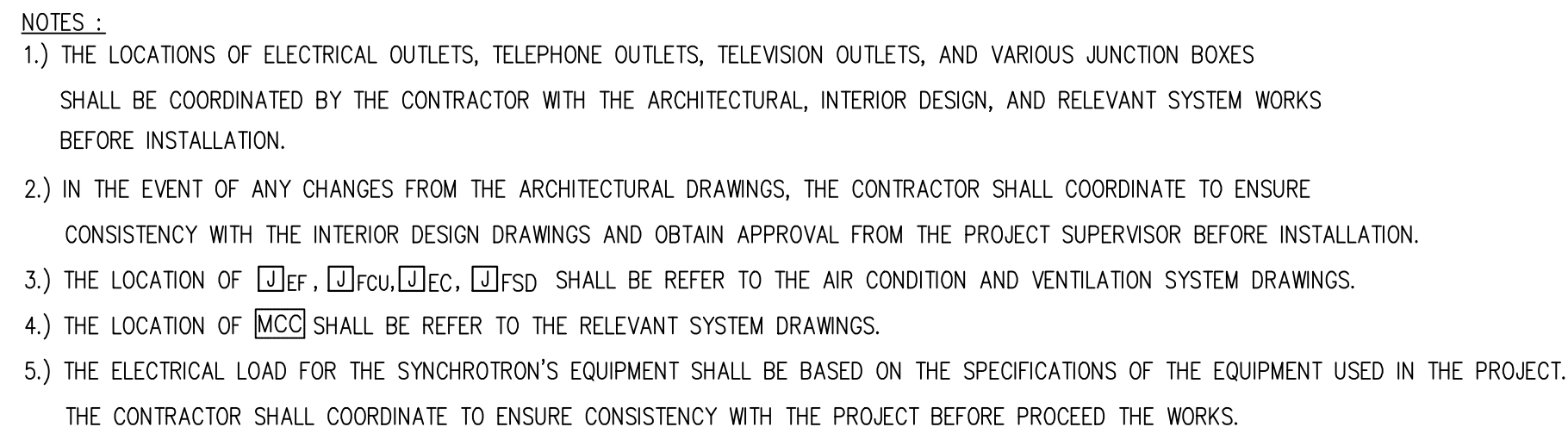
PROJECT CODE : 2404SPSII TOTAL SHEET :

CAD FILE : SPSII-C-PS-EE-013-0.dwg

Work Phase 3 :Construction Drawing

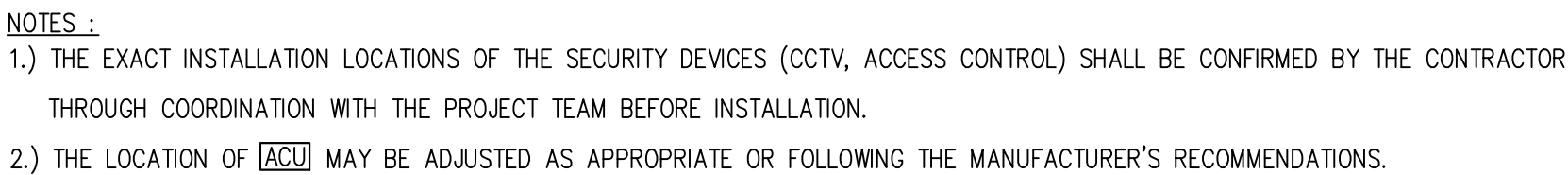
1. DO NOT SCALE OFF THIS DRAWING. WORK FROM THE REVISIONS.
2. MAKE CHANGES WITH CAREFUL PLANNING AND ALL PROPOSALS MUST BE APPROVED BY THE ARCHITECT.
3. ALL DIMENSIONS ARE AS SHOWN UNLESS OTHERWISE NOTED.

- DO NOT SCALE OFF THIS DRAWING. WORK FROM THE INDICATED DIMENSION ONLY. ALL SITE DIMENSIONS TO BE VERIFIED BY CONTRACTOR AND ANY DISCREPANCIES REPORTED BACK TO "CROW CONSULTANT".
- MANUFACTURERS MUST SUBMIT SHOP DRAWING AND ALL FINISH SAMPLES PRIOR TO PRODUCTION FOR APPROVAL BY DESIGNER.

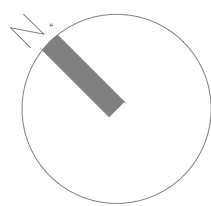


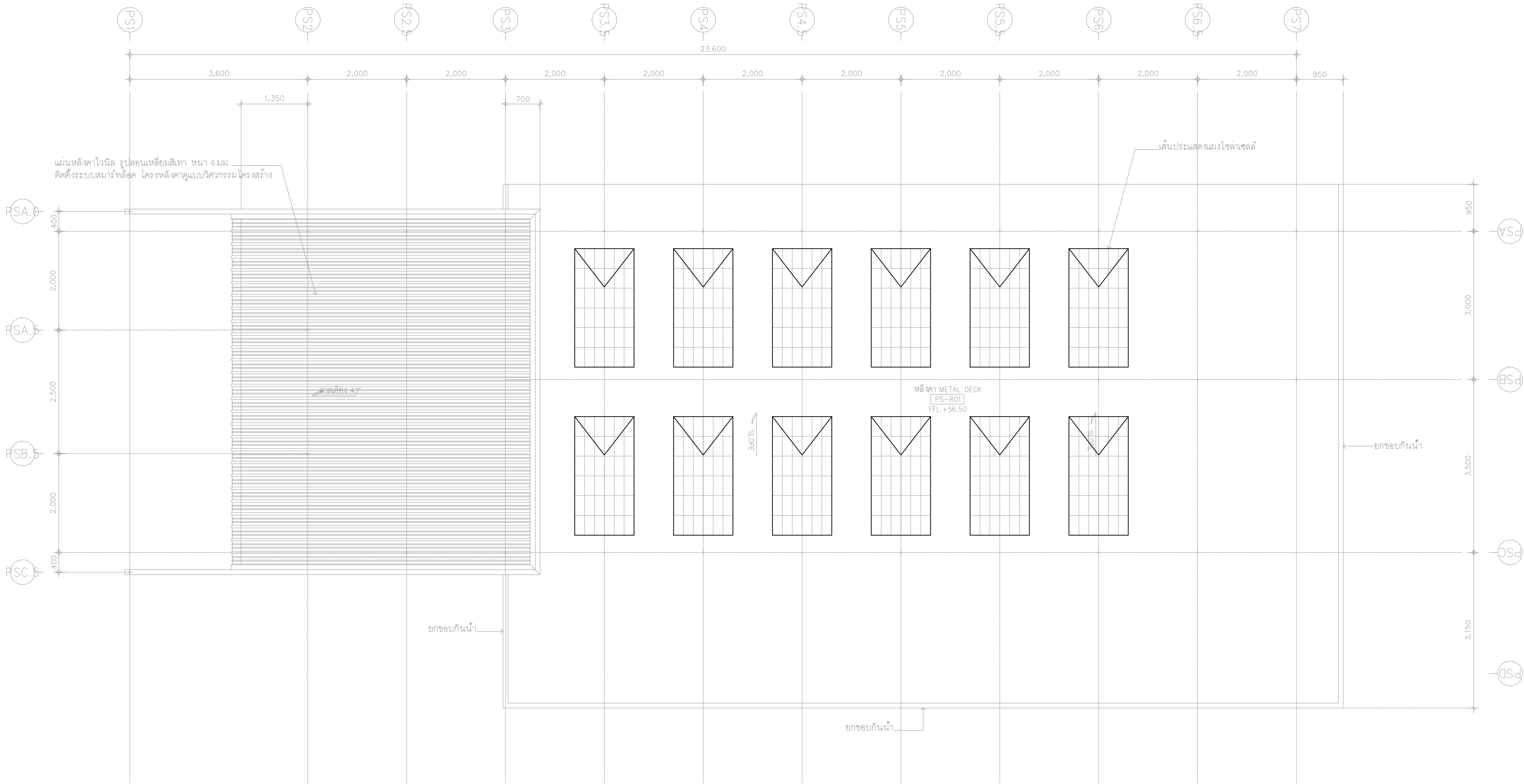
A circle with a shaded sector. The central angle is labeled N .

[illegible]



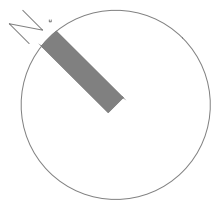
แปลนพื้นที่ 1
มาตราส่วน 1:50

[illegible]



TOTAL INVERTER	1
TOTAL PV MODULE	12
TOTAL POWER [kWp(DC)]	6.48

แปลนหลังคา (2)
มาตราส่วน 1:50



OWNER :
SYNCHROTRON LIGHT RESEARCH INSTITUTE
(PUBLIC ORGANIZATION)

PROJECT TITLE :
3 GeV SYNCHROTRON LIGHT SOURCE BUILDING
AND OPERATION BUILDINGS

PROJECT LOCATION :
PATUMBURI SUBDISTRICT, WANG CHAN DISTRICT, RAYONG PROVINCE

DESIGNER :
DKW CONSORTIUM

DESIGN+DEVELOP

DESIGN+DEVELOP CO., LTD.

101/101 P. 4 FL. 10/11
SANGHAT KONGKONGKONG KONG KONG KONG
101/101 P. 4 FL. 10/11
101/101 P. 4 FL. 10/11

KEEN CONSULTANTS CO., LTD.

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WEP ENGINEERING PARTNERS CO., LTD.

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101/101 P. 4 FL. 10/11

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REVISION

NO.	DATE	DESCRIPTION

Dr. Propong Kiyasubun
3 GeV SYNCHROTRON LIGHT SOURCE BUILDING AND OPERATION BUILDINGS
PROJECT NUMBER

KEY PLAN

BUILDING :
3G Project Site Office (PS)

DRAWN BY:
JRN

CHECKED BY:
SPR

DATE
20 January 2025

SCALE
A1 1:50 A3 1:100

DRAWING TITLE :
PV SOLAR ROOFTOP

DRAWING NUMBER :
SPSII-C-PS-EE-401

PROJECT CODE :
2404SPSII

TOTAL SHEET :

CAD FILE :
SPSII-C-PS-EE-401-0.dwg

Work Phase 3 : Construction Drawing

1. DO NOT SCALE OFF THIS DRAWING. WORK FROM THE RECORD.

2. ANY CHANGES TO BE MADE BY THE ARCHITECT AND ANY ORDERS/NOTES REFERRED BACK TO "HOW CONSTRUCTION"

3. MANUFACTURER MUST SUBMIT SHOP DRAWING AND ALL SHOP SAMPLES PRIOR TO PRODUCTION FOR APPROVAL, BY DESIGNER.

4. ALL DIMENSIONS ARE AS SHOWN, UNLESS OTHERWISE NOTED.