

FIRST FLOOR PLAN - LIGHTING CIRCUIT CONDUIT LAYOUT

<div><div><div><div></div><div>BPC</div><div>འབྲུག་ཤར་གཞི་རྒྱུ་</div></div><div></div></div></div>		<div>BHUTAN POWER CORPORATION LIMITED</div> <div>TRANSMISSION DEPARTMENT, THIMPHU: BHUTAN.</div>	
PROJECT TITLE		REFERENCE NOTES	
DESIGN OF STAFF QUARTER (G+2) AT TSHENKHAR, NANGLAM		1. ALL MEASUREMENTS IN THE DRAWING ARE IN mm UNLESS AND OTHERWISE MENTIONED. 2. THE MEASUREMENTS IN THE DRAWING ARE TO BE READ AND NOT MEASURED. 3. ANY DISCREPANCY IN THE DRAWING SHALL BE IMMEDIATELY BROUGHT TO THE NOTICE OF THE DESIGNER.	
DRAWING STATUS		APPROVED BY	DESIGNED BY
APPROVAL <input type="checkbox"/> APPROVED <input type="checkbox"/>		KUNZANG TOBGYE GENERAL MANAGER TD, BPC.	SANGAY WANGDI ENGINEER, TD, BPC
SCALE		DATE	
REF DWG		FEBRUARY, 2022.	
DRAWING NO.		DWG # 11/25	



BHUTAN POWER CORPORATION LIMITED

TRANSMISSION DEPARTMENT, THIMPHU: BHUTAN.

PROJECT TITLE

DESIGN OF STAFF QUARTER (G+2) AT

TSHENKHARI, NANGLAM

DRAWING STATUS

APPROVAL

APPROVED

REFERENCE NOTES

1. ALL MEASUREMENTS IN THE DRAWING ARE IN mm UNLESS AND OTHERWISE MENTIONED.

2. THE MEASUREMENTS IN THE DRAWING ARE TO BE READ AND NOT MEASURED.

3. ANY DISCREPANCY IN THE DRAWING SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE DESIGNER.

APPROVED BY

KUNZANG TOBGYE
GENERAL MANAGER

DESIGNED BY

SANGAY WANGDI
ENGINEER, TD, BPC

DRAFTING TITLE

REFER DRAWING

DATE

WG

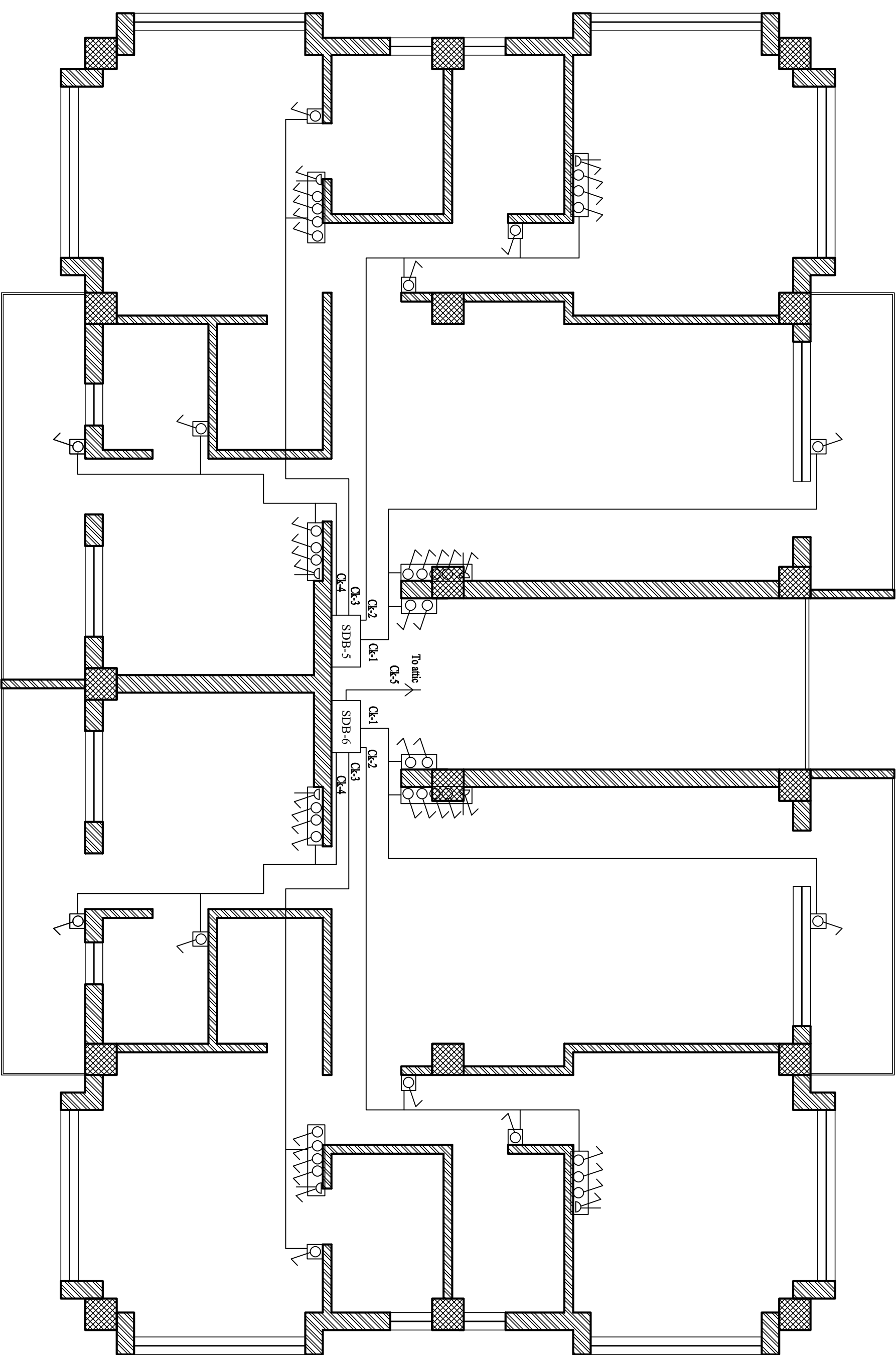
FEBRUARY


D R A W I N G N O.

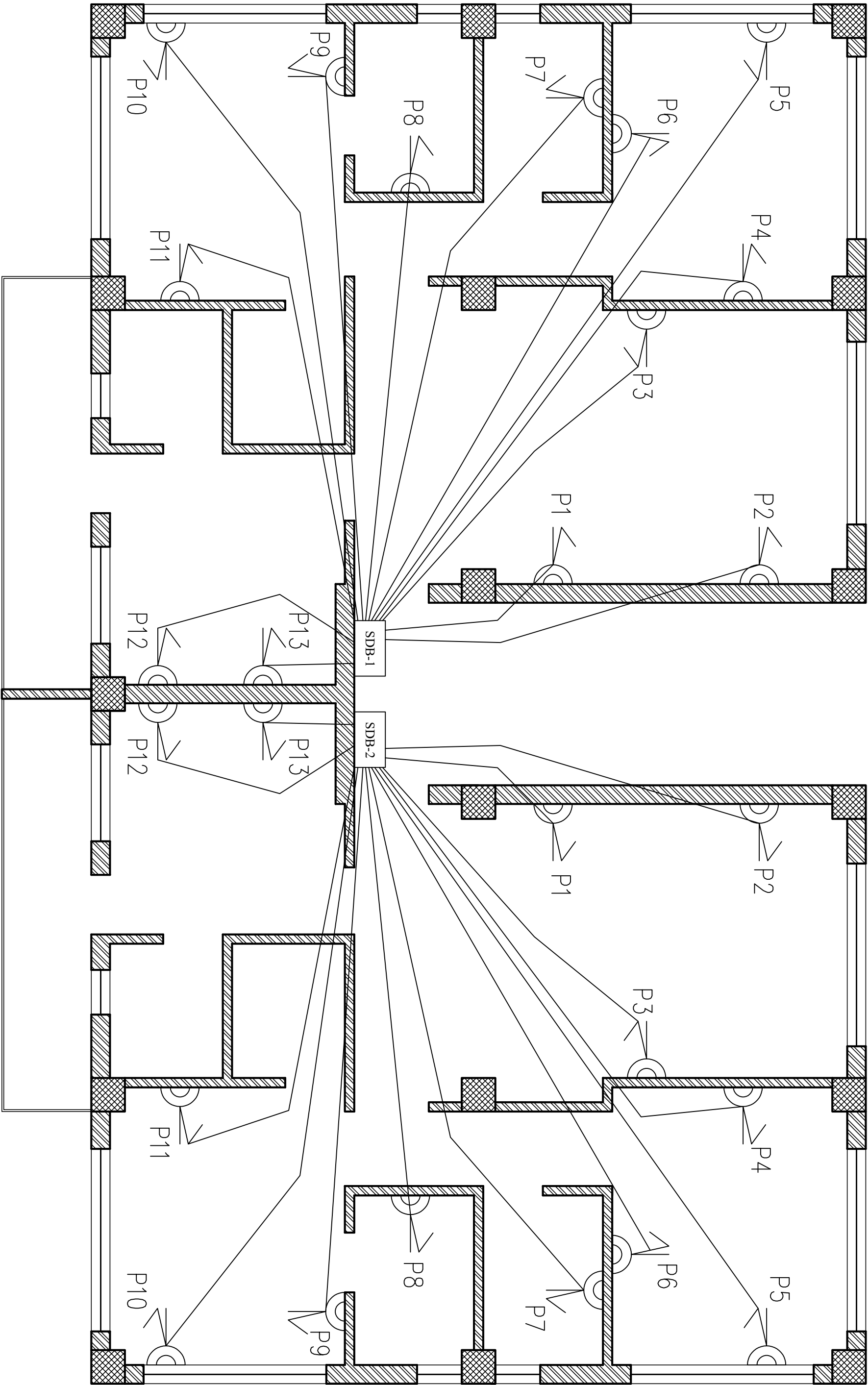
BPC/TD/TMD/ELECTRICAL

DWG # 12/25


SECOND FLOOR PLAN - LIGHTING CIRCUIT LAYOUT

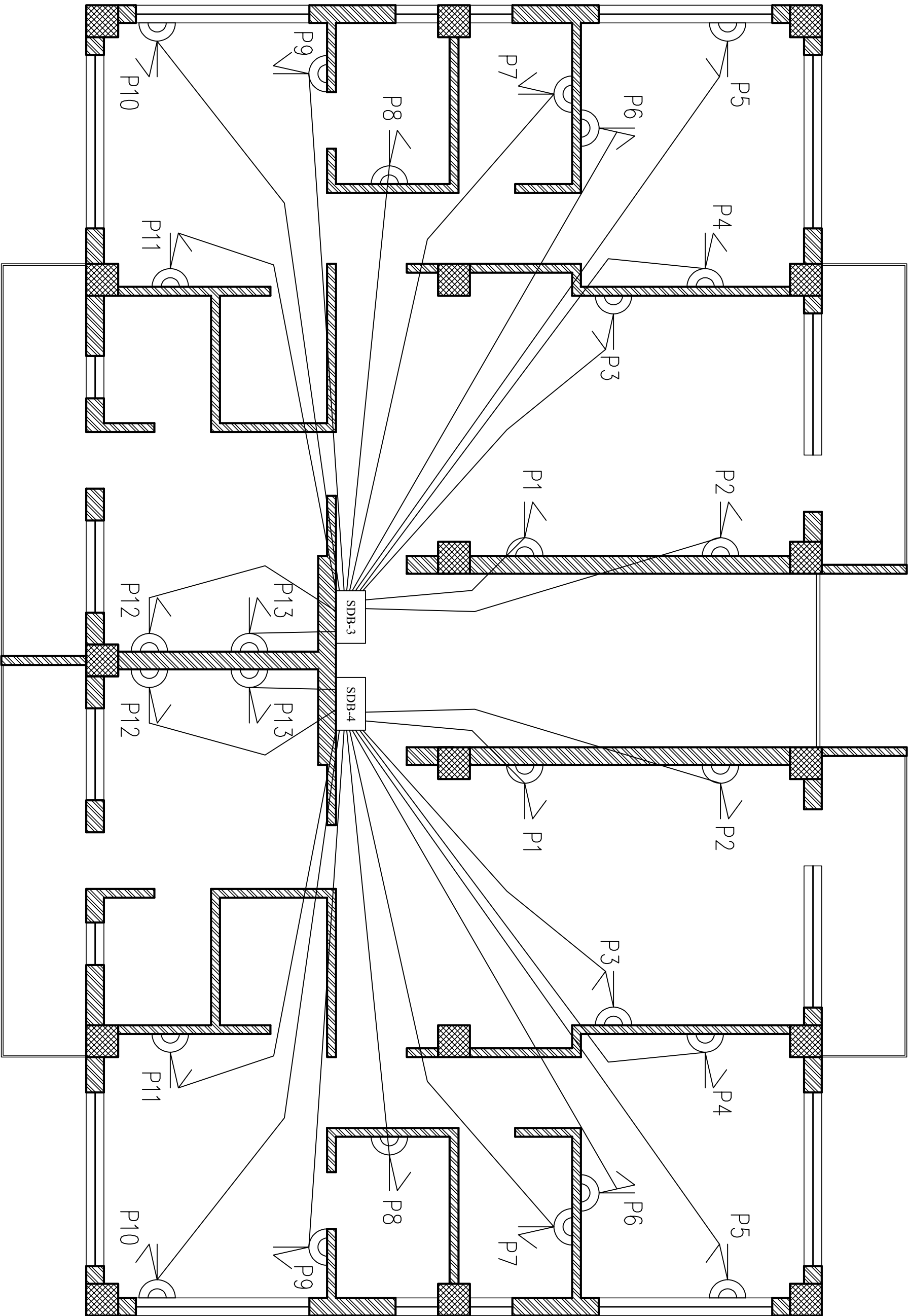


<div><div><div>BHUTAN POWER CORPORATION LIMITED</div><div>TRANSMISSION DEPARTMENT, THIMPHU: BHUTAN.</div></div></div>		<div>PROJECT TITLE</div> <div>DESIGN OF STAFF QUARTER (G+2) AT TSHENKHAR, NANGLAM</div>	
--	--	---	--




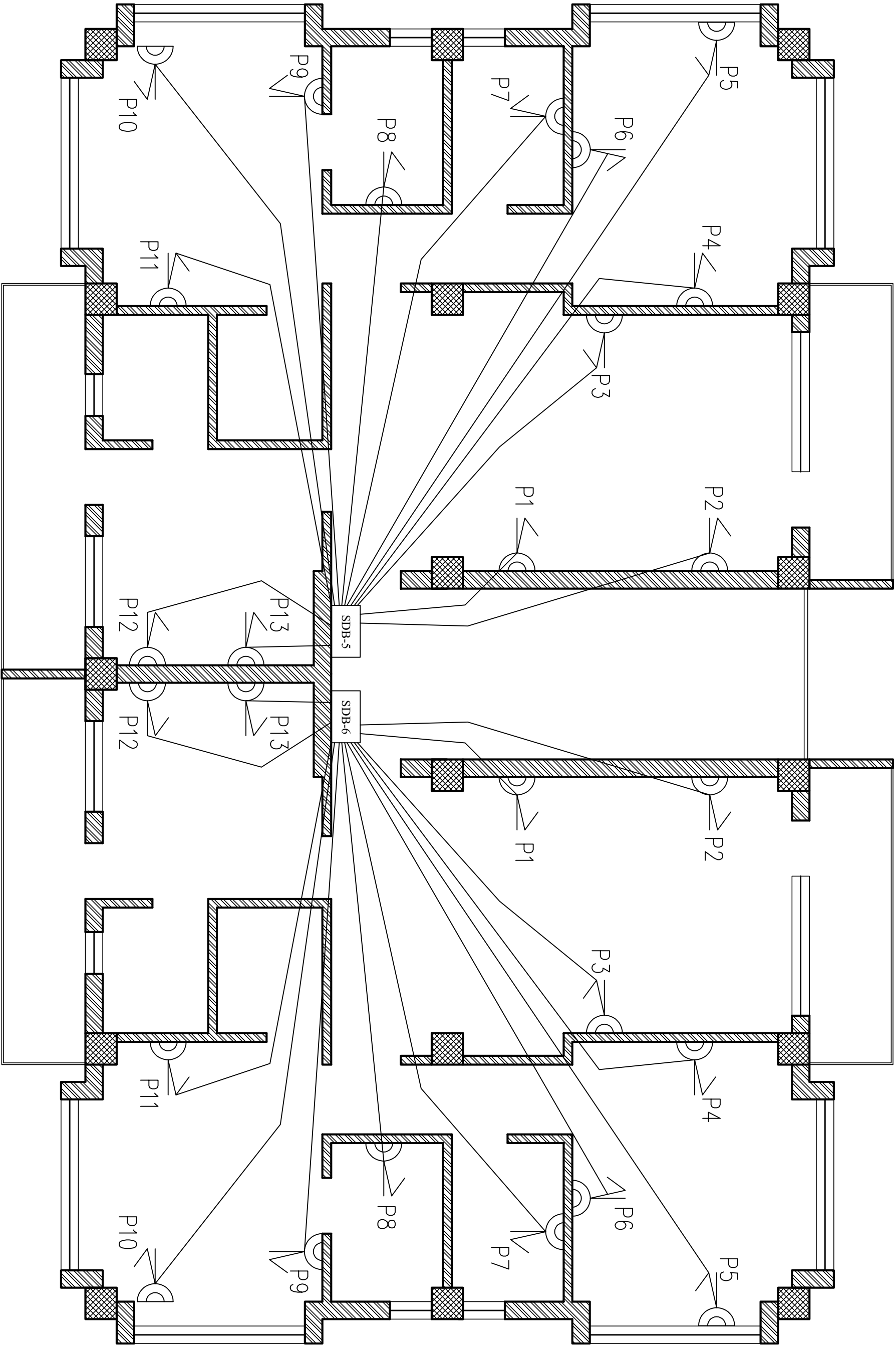
GROUND FLOOR PLAN - POWER POINT WIRING LAYOUT

	PROJECT TITLE		REFERENCE NOTES		APPROVED BY	DESIGNED BY	DRAWING TITLE		DRAWING NO.
	BHUTAN POWER CORPORATION LIMITED		1. ALL MEASUREMENTS IN THE DRAWING ARE IN mm UNLESS AND OTHERWISE MENTIONED. 2. THE MEASUREMENTS IN THE DRAWING ARE TO BE READ AND NOT MEASURED. 3. ANY DISCREPANCY IN THE DRAWING SHALL BE IMMEDIATELY BROUGHT TO THE NOTICE OF THE DESIGNER.		KUNZANG TOBGYE GENERAL MANAGER TD, BPC.	SANGAY WANGDI ENGINEER, TD, BPC.	REFER DRAWING		BPC/TD/TMD/ELECTRICAL
TRANSMISSION DEPARTMENT, THIMPHU: BHUTAN.		DESIGN OF STAFF QUARTER (G+2) AT TSHENKHAR, NANGLAM	DRAWING STATUS		SCALE		DATE		DWG # 14/25
			APPROVAL <input type="checkbox"/> APPROVED <input type="checkbox"/>		REF DWG		FEBRUARY, 2022.		



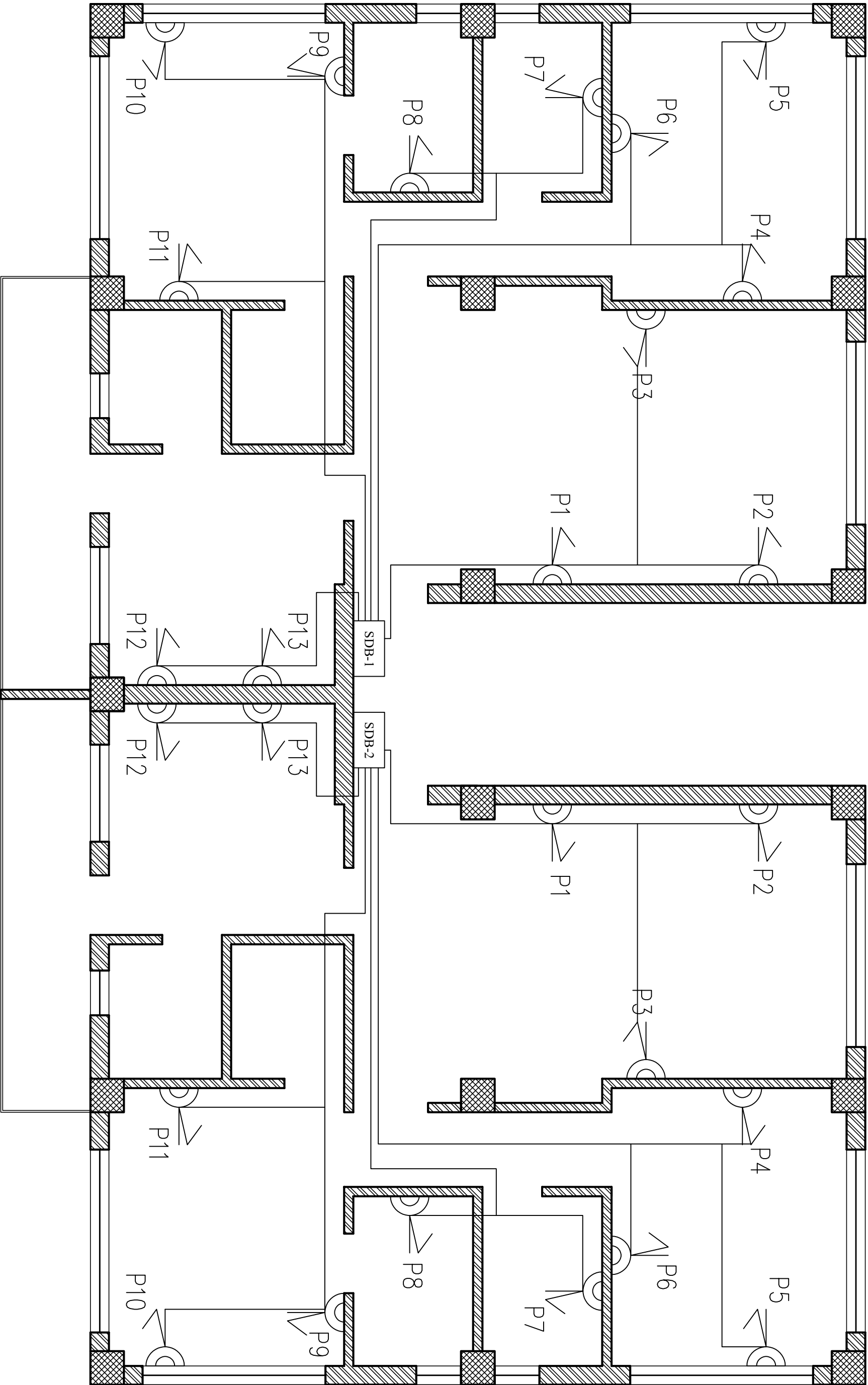
FIRST FLOOR PLAN - POWER POINT WIRING LAYOUT

	PROJECT TITLE		REFERENCE NOTES		APPROVED BY	DESIGNED BY	DRAWING TITLE		DRAWING NO.
	BHUTAN POWER CORPORATION LIMITED		DESIGN OF STAFF QUARTER (G+2) AT TSHENKHAR, NANGLAM				REFER DRAWING		BPC/TD/TMD/ELECTRICAL
TRANSMISSION DEPARTMENT, THIMPHU: BHUTAN.		DRAWING STATUS	APPROVAL	APPROVED	KUNZANG TOBGYE GENERAL MANAGER TD, BPC.	SANGAY WANGDI ENGINEER, TD, BPC.	SCALE	DATE	DWG # 15/25
			<input type="checkbox"/>	<input type="checkbox"/>			REF DWG	FEBRUARY, 2022.	




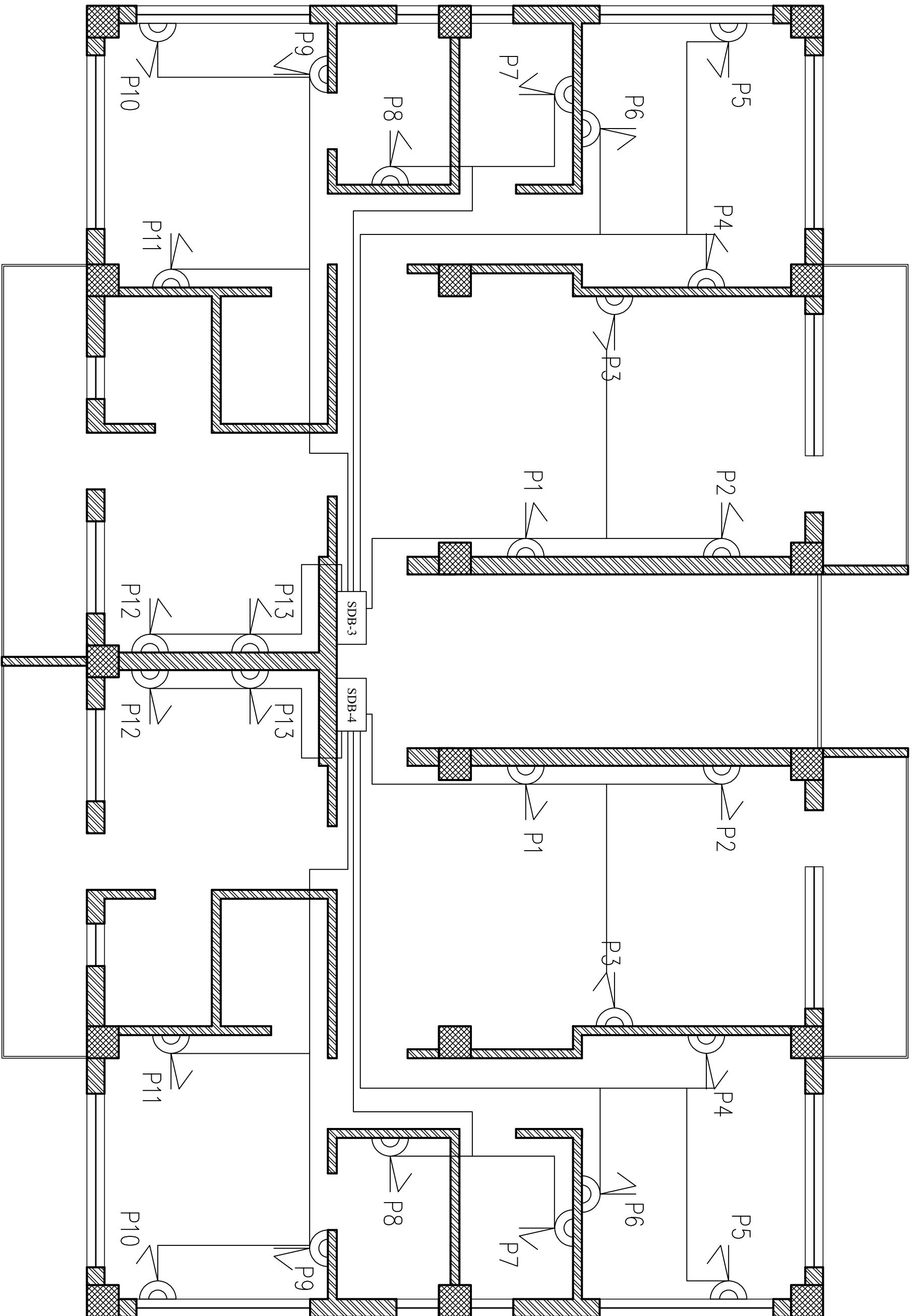
SECOND FLOOR PLAN - POWER POINT WIRING LAYOUT

	BHUTAN POWER CORPORATION LIMITED										
	TRANSMISSION DEPARTMENT, THIMPHU: BHUTAN.										
PROJECT TITLE		REFERENCE NOTES		APPROVED BY		DESIGNED BY		DRAWING TITLE		DRAWING NO.	
DESIGN OF STAFF QUARTER (G+2) AT TSHENKHAR, NANGLAM		1. ALL MEASUREMENTS IN THE DRAWING ARE IN mm UNLESS AND OTHERWISE MENTIONED.		KUNZANG TOBGYE GENERAL MANAGER TD, BPC.		SANGAY WANGDI ENGINEER, TD, BPC.		REFER DRAWING		BPC/TD/TMD/ELECTRICAL	
		2. THE MEASUREMENTS IN THE DRAWING ARE TO BE READ AND NOT MEASURED.									
DRAWING STATUS		1. ANY DISCREPANCY IN THE DRAWING SHALL BE IMMEDIATELY BROUGHT TO THE NOTICE OF THE DESIGNER.						SCALE		DATE	
APPROVAL <input type="checkbox"/>		APPROVED <input type="checkbox"/>						REF DWG		FEBRUARY, 2022.	
DWG # 16/25											




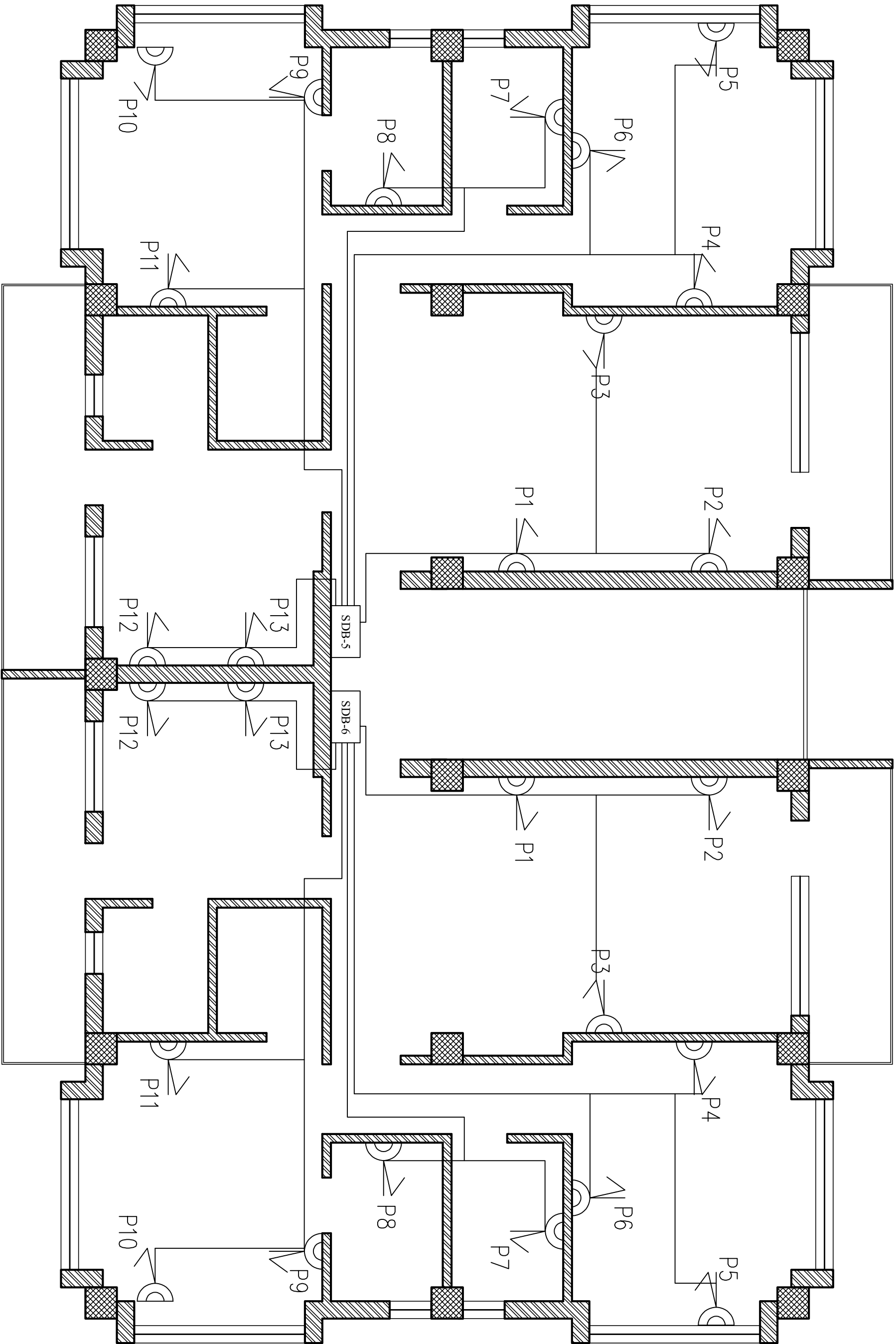
GROUND FLOOR PLAN - POWER POINT CONDUIT LAYOUT

<div><div><div>འབྲུག་ཤར་ཁྲུང་གི་</div><div>འཕུལ་ཁུངས་ལྷན་ཁག་</div><div>BPC</div><div>2017</div></div></div>	<div><div><div>BHUTAN POWER CORPORATION LIMITED</div><div>TRANSMISSION DEPARTMENT, THIMPHU: BHUTAN.</div></div></div>												
	<div>PROJECT TITLE</div>		<div>REFERENCE NOTES</div>		<div>APPROVED BY</div>		<div>DESIGNED BY</div>		<div>DRAWING TITLE</div>		<div>DRAWING NO.</div>		
<div><div>DESIGN OF STAFF QUARTER (G+2) AT</div><div>TSHENKHAR, NANGLAM</div></div>				<div>1. ALL MEASUREMENTS IN THE DRAWING ARE IN mm UNLESS AND OTHERWISE MENTIONED.</div>		<div>KUNZANG TOBGYE GENERAL MANAGER TD, BPC.</div>		<div>SANGAY WANGDI ENGINEER, TD, BPC</div>		<div>REFER DRAWING</div>		<div>BPC/TD/TMD/ELECTRICAL</div>	
<div><div>DRAWING STATUS</div><div><div>APPROVAL</div><div><input type="checkbox"/></div><div>APPROVED</div><div><input type="checkbox"/></div></div></div>				<div>2. THE MEASUREMENTS IN THE DRAWING ARE TO BE READ AND NOT MEASURED</div>						<div>SCALE</div> <div>DATE</div>		<div>DWG # 17/25</div>	
<div>3. ANY DISCREPANCY IN THE DRAWING SHALL BE IMMEDIATELY BROUGHT TO THE NOTICE OF THE DESIGNER.</div>								<div>REF DWG</div> <div>FEBRUARY, 2022.</div>					




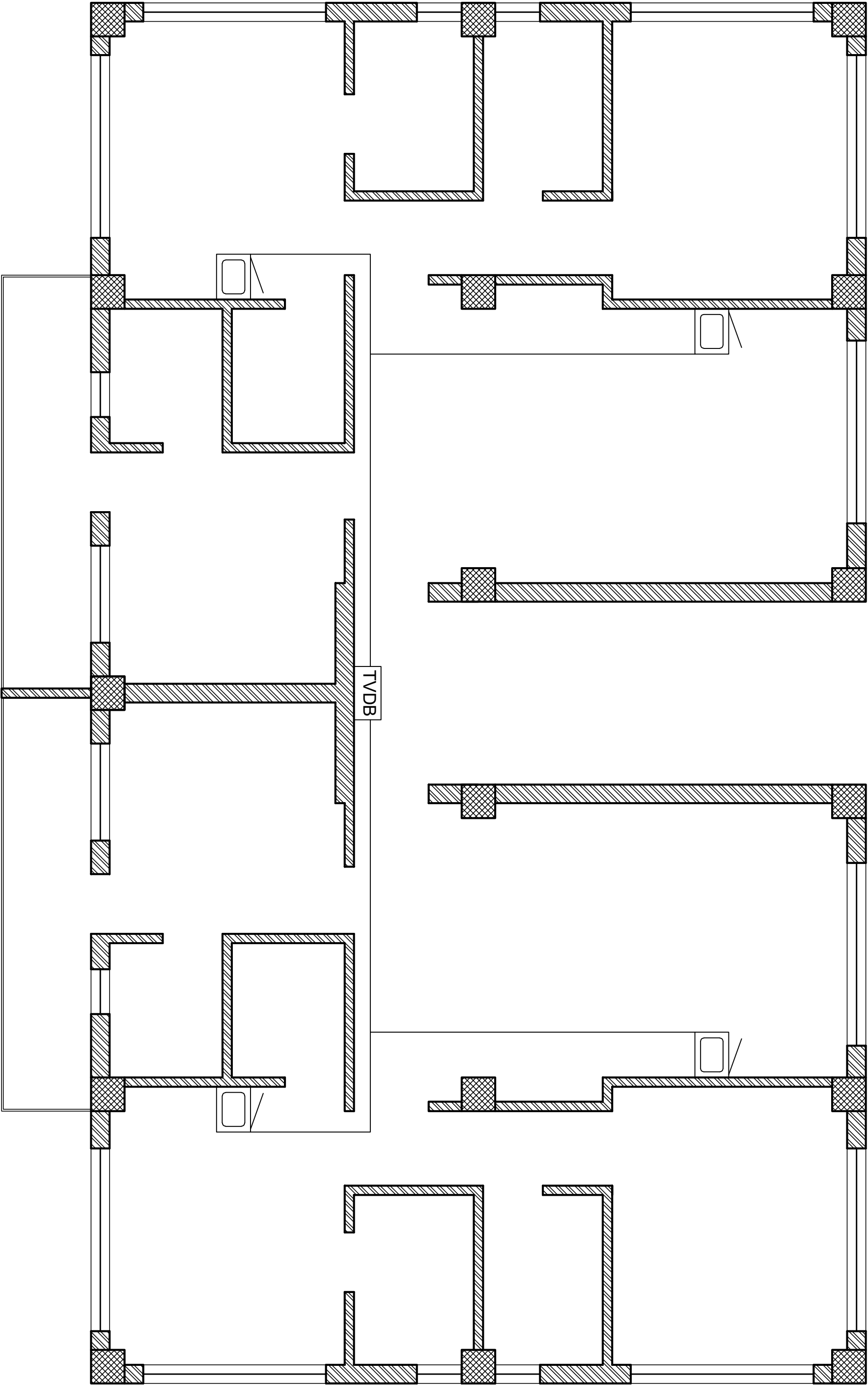
FIRST FLOOR PLAN - POWER POINT CONDUIT LAYOUT

<div><div><p>འབྲུག་ཡུལ་གྱི་ འོ་ཤིང་གི་འཁོར་ལེགས་ BPC Bhutan Power Corporation</p></div></div>		<div><h1>BHUTAN POWER CORPORATION LIMITED</h1><h2>TRANSMISSION DEPARTMENT, THIMPHU: BHUTAN.</h2></div>	
<div>PROJECT TITLE</div>		<div>REFERENCE NOTES</div>	
<div>DESIGN OF STAFF QUARTER (G+2) AT TSHENKHAR, NANGLAM</div>		<div>1. ALL MEASUREMENTS IN THE DRAWING ARE IN mm UNLESS AND OTHERWISE MENTIONED. 2. THE MEASUREMENTS IN THE DRAWING ARE TO BE READ AND NOT MEASURED. 3. ANY DISCREPANCY IN THE DRAWING SHALL BE IMMEDIATELY BROUGHT TO THE NOTICE OF THE DESIGNER.</div>	
<div>DRAWING STATUS</div>		<div>KUNZANG TOBGYE GENERAL MANAGER TD, BPC.</div>	
<div>APPROVAL <input type="checkbox"/></div>		<div>SANGAY WANGDI ENGINEER, TD, BPC.</div>	
<div>APPROVED <input type="checkbox"/></div>		<div>SCALE</div>	
		<div>DATE</div>	
		<div>REF DWG</div>	
		<div>FEBRUARY, 2022.</div>	
		<div>DWG # 18/25</div>	
		<div>BPC/TD/TMD/ELECTRICAL</div>	




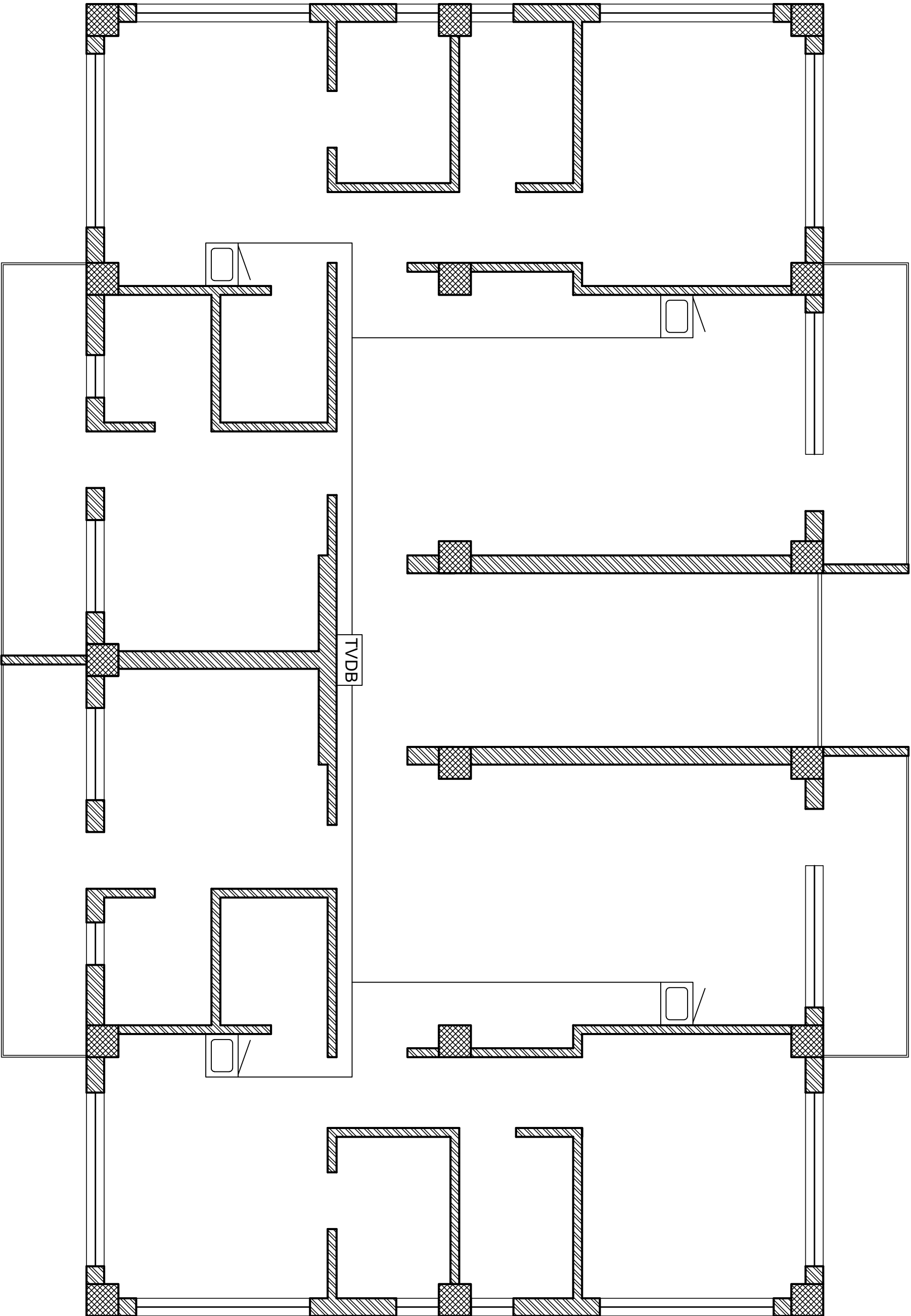
SECOND FLOOR PLAN - POWER POINT CONDUIT LAYOUT

	BHUTAN POWER CORPORATION LIMITED													
	TRANSMISSION DEPARTMENT, THIMPHU: BHUTAN.													
	PROJECT TITLE		REFERENCE NOTES		APPROVED BY		DESIGNED BY		DRAWING TITLE		DRAWING NO.			
	DESIGN OF STAFF QUARTER (G+2) AT TSHENKHAR, NANGLAM		1. ALL MEASUREMENTS IN THE DRAWING ARE IN mm UNLESS AND OTHERWISE MENTIONED. 2. THE MEASUREMENTS IN THE DRAWING ARE TO BE READ AND NOT MEASURED.		KUNZANG TOBGYE GENERAL MANAGER TD, BPC.		SANGAY WANGDI ENGINEER, TD, BPC.		REFER DRAWING		BPC/TD/TMD/ELECTRICAL			
	DRAWING STATUS		1. ANY DISCREPANCY IN THE DRAWING SHALL BE IMMEDIATELY BROUGHT TO THE NOTICE OF THE DESIGNER.						SCALE		DATE		DWG # 19/25	
	APPROVAL <input type="checkbox"/>		APPROVED <input type="checkbox"/>						REF DWG		FEBRUARY, 2022.			




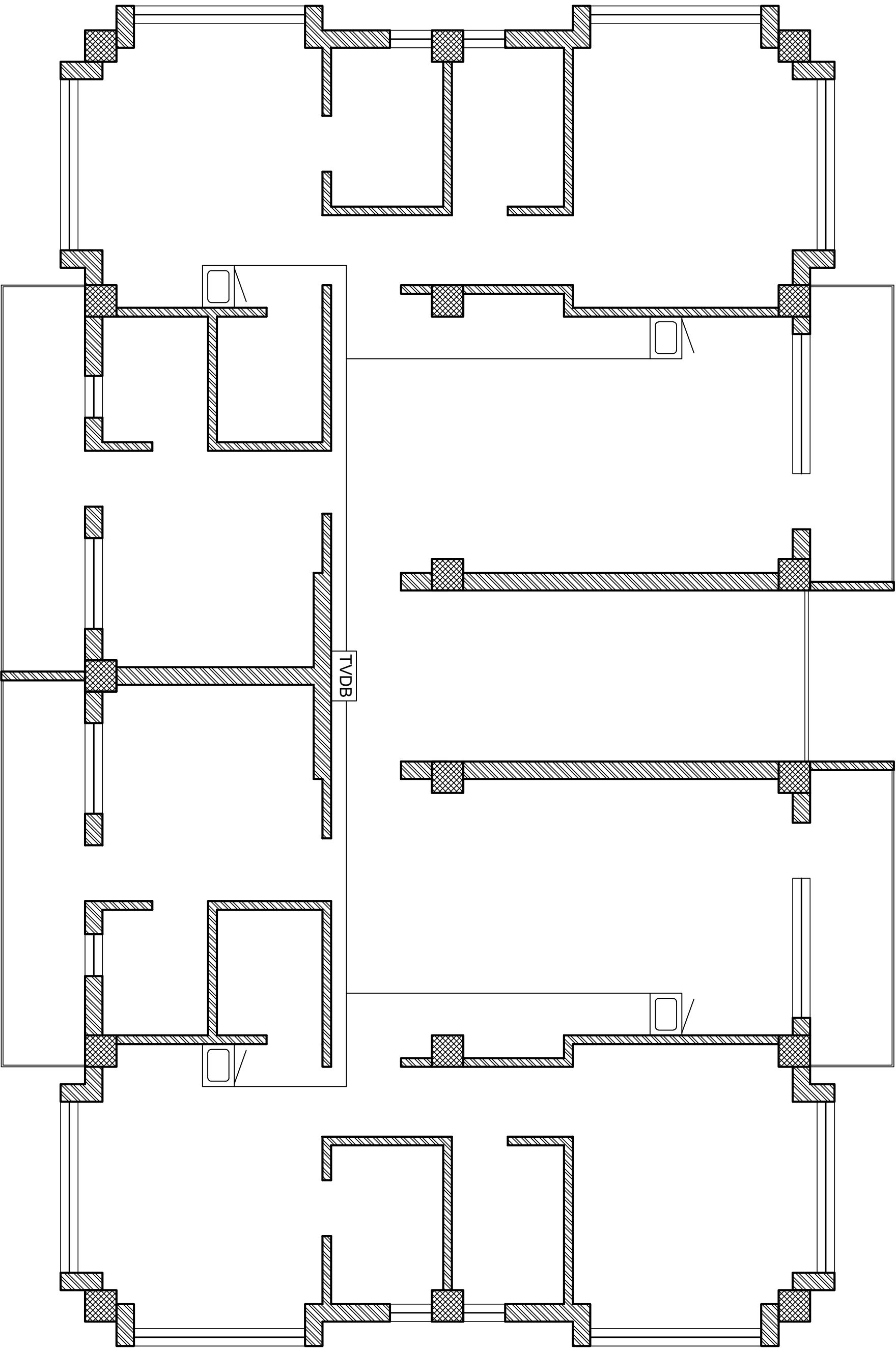
GROUND FLOOR PLAN - TV POINT CONDUIT LAYOUT

		BHUTAN POWER CORPORATION LIMITED		TRANSMISSION DEPARTMENT, THIMPHU: BHUTAN.	
PROJECT TITLE		DESIGN OF STAFF QUARTER (G+2) AT TSHEKHAR, NANGLAM		DRAWING STATUS	
REFERENCE NOTES		APPROVED BY		DESIGNED BY	
1. ALL MEASUREMENTS IN THE DRAWING ARE IN mm UNLESS AND OTHERWISE MENTIONED.		KUNZANG TOBGYE GENERAL MANAGER TD, BPC.		SANGAY WANGDI ENGINEER, TD, BPC.	
2. THE MEASUREMENTS IN THE DRAWING ARE TO BE READ AND NOT MEASURED.		DESIGNED BY		REFER DRAWING	
3. ANY DISCREPANCY IN THE DRAWING SHALL BE IMMEDIATELY BROUGHT TO THE NOTICE OF THE DESIGNER.		SCALE		DATE	
		REF DWG		FEBRUARY, 2022.	
		DRAWING NO.		BPC/TD/TMD/ELECTRICAL	
				DWG # 20/25	




FIRST FLOOR PLAN - TV POINT CONDUIT LAYOUT

		BHUTAN POWER CORPORATION LIMITED		PROJECT TITLE		REFERENCE NOTES		APPROVED BY		DESIGNED BY		DRAWING TITLE		DRAWING NO.	
TRANSMISSION DEPARTMENT, THIMPHU: BHUTAN.		DESIGN OF STAFF QUARTER (G+2) AT TSHENKHAR, NANGLAM		1. ALL MEASUREMENTS IN THE DRAWING ARE IN mm UNLESS AND OTHERWISE MENTIONED. 2. THE MEASUREMENTS IN THE DRAWING ARE TO BE READ AND NOT MEASURED. 3. ANY DISCREPANCY IN THE DRAWING SHALL BE IMMEDIATELY BROUGHT TO THE NOTICE OF THE DESIGNER.		KUNZANG TOBGYE GENERAL MANAGER TD, BPC.		SANGAY WANGDI ENGINEER, TD, BPC.		SCALE		REFER DRAWING		BPC/TD/TMD/ELECTRICAL	
DRAWING STATUS		APPROVAL <input type="checkbox"/>		APPROVED <input type="checkbox"/>						DATE		FEBRUARY, 2022.		DWG # 21/25	

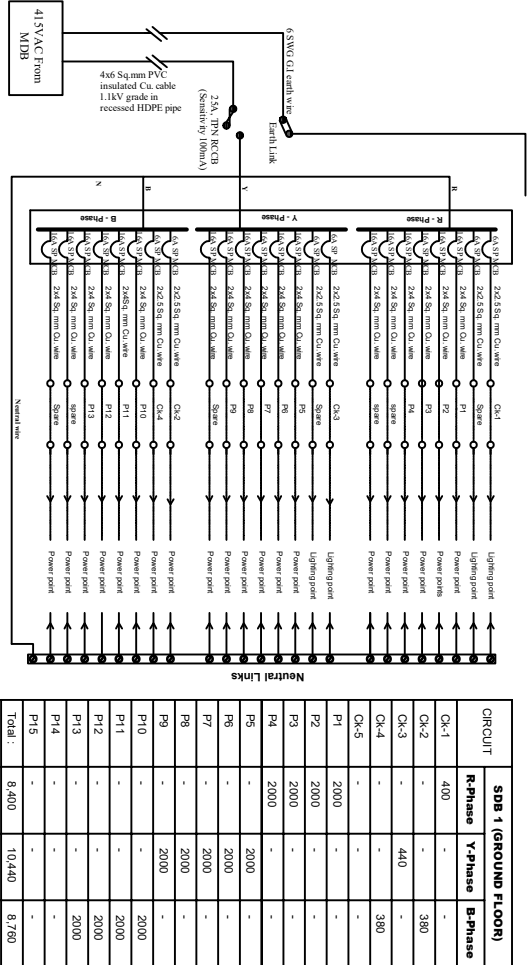


SECOND FLOOR PLAN - TV POINT CONDUIT LAYOUT

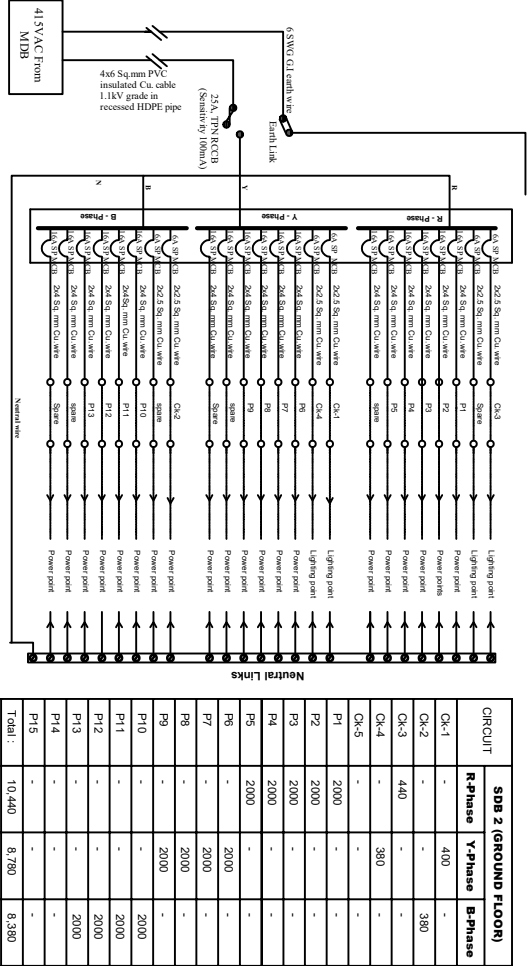
		BHUTAN POWER CORPORATION LIMITED		PROJECT TITLE		REFERENCE NOTES		APPROVED BY		DESIGNED BY		DRAWING TITLE		DRAWING NO.	
TRANSMISSION DEPARTMENT, THIMPHU: BHUTAN.		DESIGN OF STAFF QUARTER (G+2) AT TSHENKHAR, NANGLAM		1. ALL MEASUREMENTS IN THE DRAWING ARE IN mm UNLESS AND OTHERWISE MENTIONED. 2. THE MEASUREMENTS IN THE DRAWING ARE TO BE READ AND NOT MEASURED. 3. ANY DISCREPANCY IN THE DRAWING SHALL BE IMMEDIATELY BROUGHT TO THE NOTICE OF THE DESIGNER.		KUNZANG TOBGYE GENERAL MANAGER TD, BPC.		SANGAY WANGDI ENGINEER, TD, BPC.		REFER DRAWING		BPC/TD/TMD/ELECTRICAL			
DRAWING STATUS		APPROVAL <input type="checkbox"/> APPROVED <input type="checkbox"/>		SCALE		DATE		REF DWG		FEBRUARY, 2022.		DWG # 22/25			

SINGLE LINE DIAGRAM FOR SUB - DISTRIBUTION BOARDS

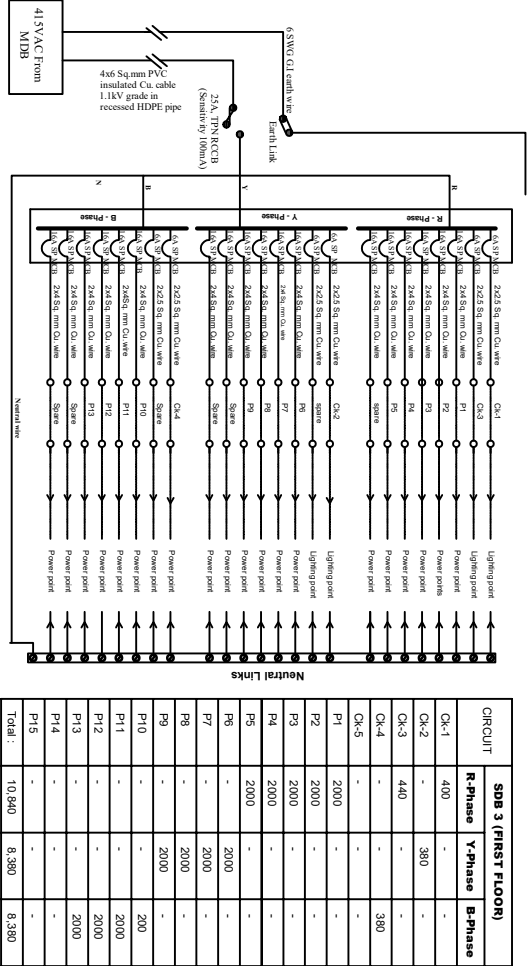
SINGLE LINE DIAGRAM FOR SUBDISTRIBUTION BOARD (SDB) No. 1, TPN 8 WAY DB



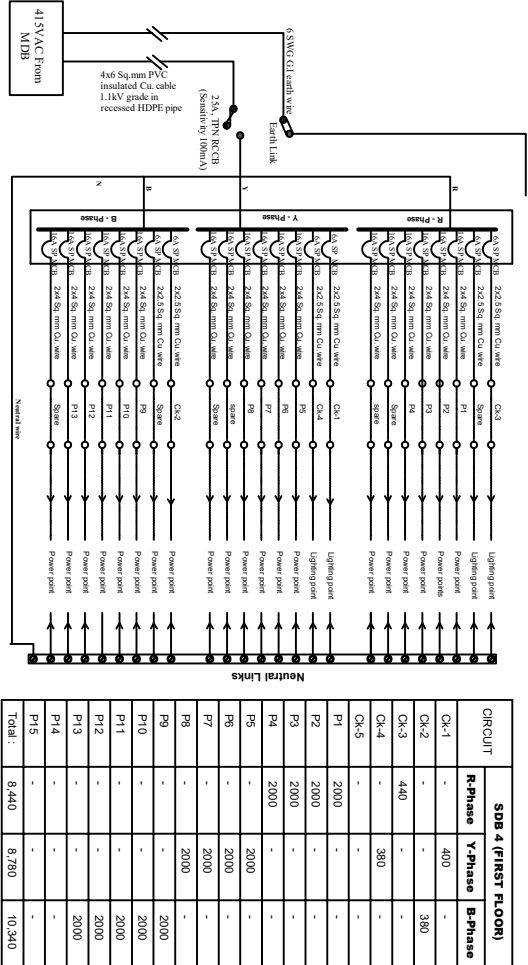
SINGLE LINE DIAGRAM FOR SUBDISTRIBUTION BOARD (SDB) No. 2, TPN 8 WAY DB



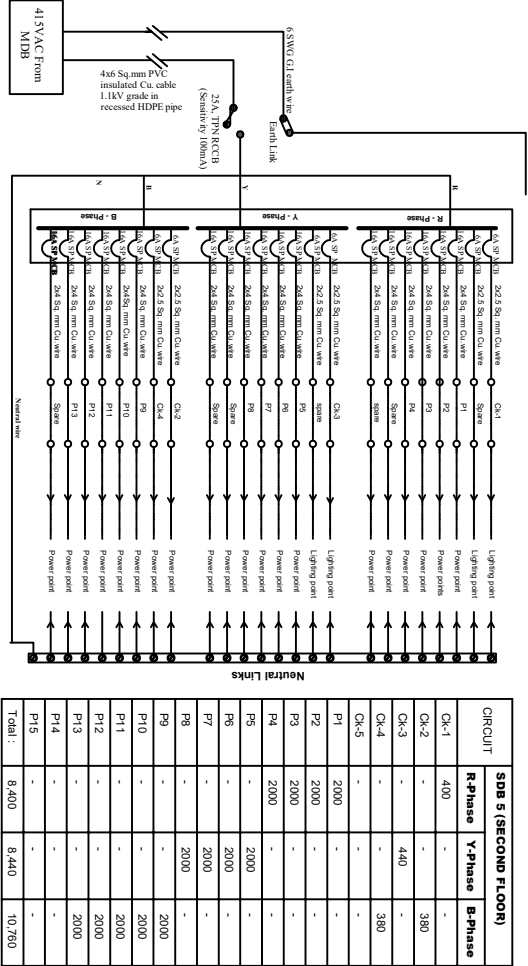
SINGLE LINE DIAGRAM FOR SUBDISTRIBUTION BOARD (SDB) No. 3, TPN 8 WAY DB



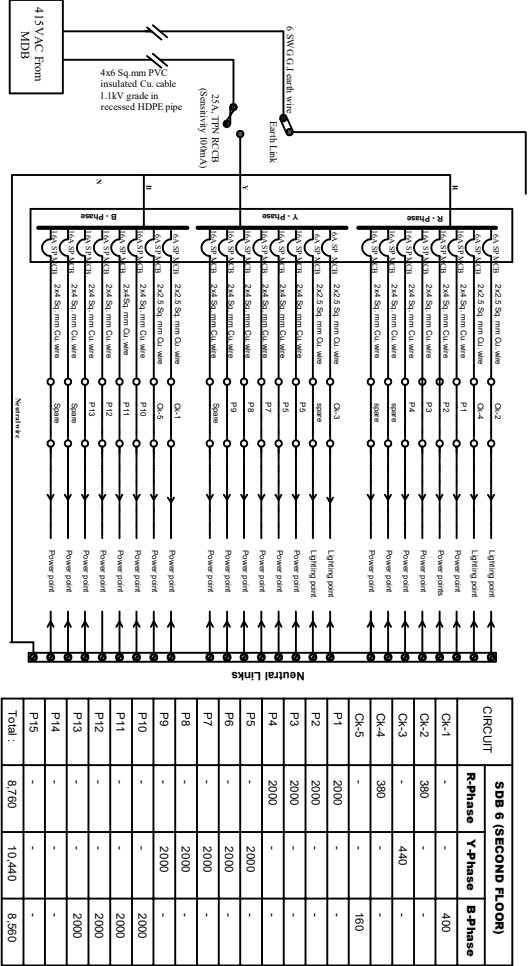
SINGLE LINE DIAGRAM FOR SUBDISTRIBUTION BOARD (SDB) No. 4, TPN 8 WAY DB




SINGLE LINE DIAGRAM FOR SUBDISTRIBUTION BOARD (SDB) No. 5, TPN 8 WAY DB



SINGLE LINE DIAGRAM FOR SUBDISTRIBUTION BOARD (SDB) No. 6, TPN 8 WAY DB





BHUTAN POWER CORPORATION LIMITED

TRANSMISSION DEPARTMENT, THIMPHU: BHUTAN.

PROJECT TITLE

DESIGN OF STAFF QUARTER (G+2) AT
TSHENKHARI, NANGLAM

DRAWING STATUS

APPROVAL ☐ APPROVED ☐

REFERENCE NOTES

1. ALL MEASUREMENTS IN THE DRAWING ARE IN MM UNLESS AND OTHERWISE MENTIONED.
2. THE MEASUREMENTS IN THE DRAWING ARE TO BE READ AND NOT MEASURED.
3. ANY DISCREPANCY IN THE DRAWING SHALL BE IMMEDIATELY BROUGHT TO THE

APPROVED BY

KUNZANG TOBGYE
GENERAL MANAGER
TD, BPC.

DESIGNED BY

SANGAY WANGDI
ENGINEER, TD, BPC.

DRAWING TITLE

REFER DRAWING

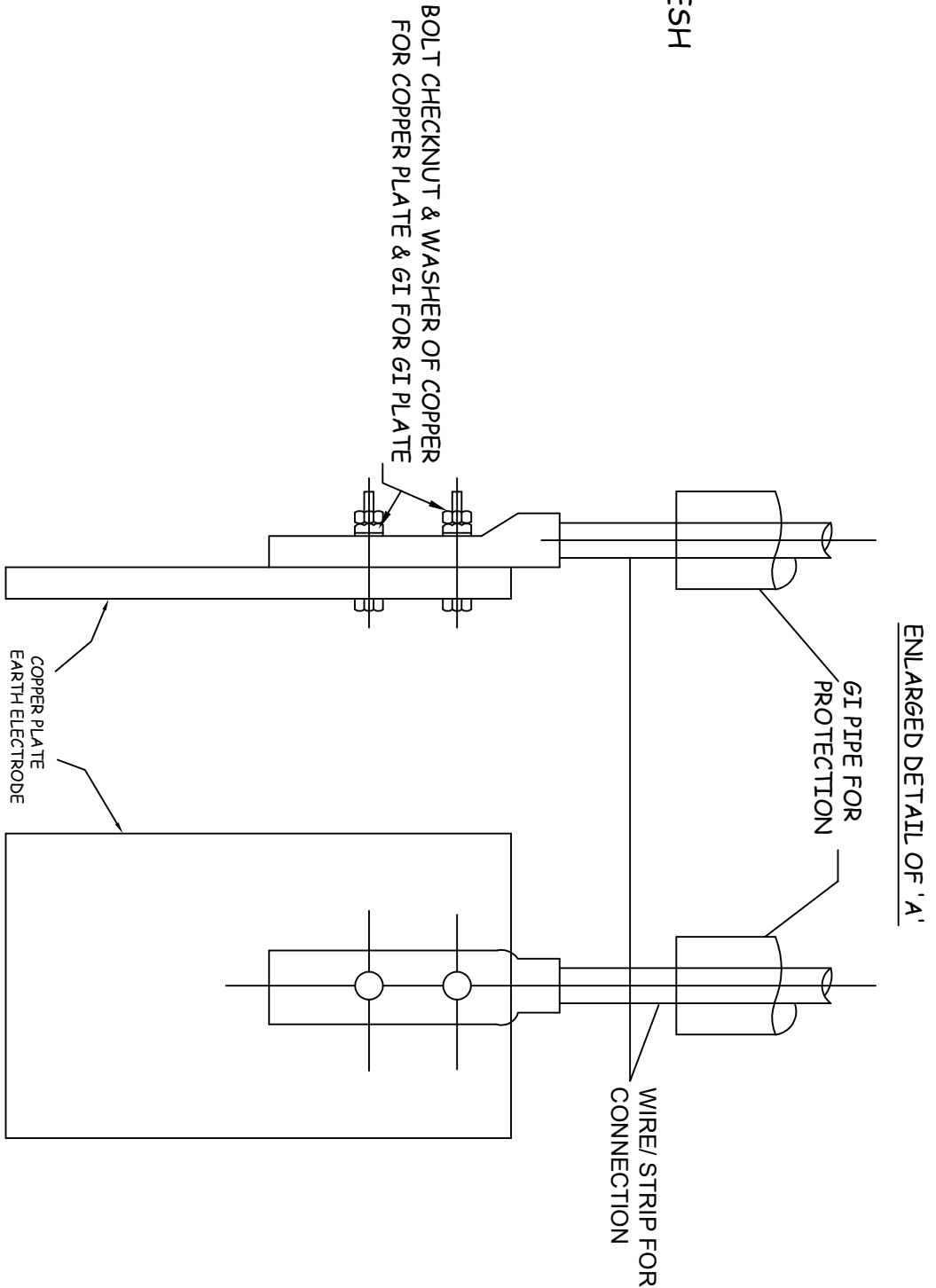
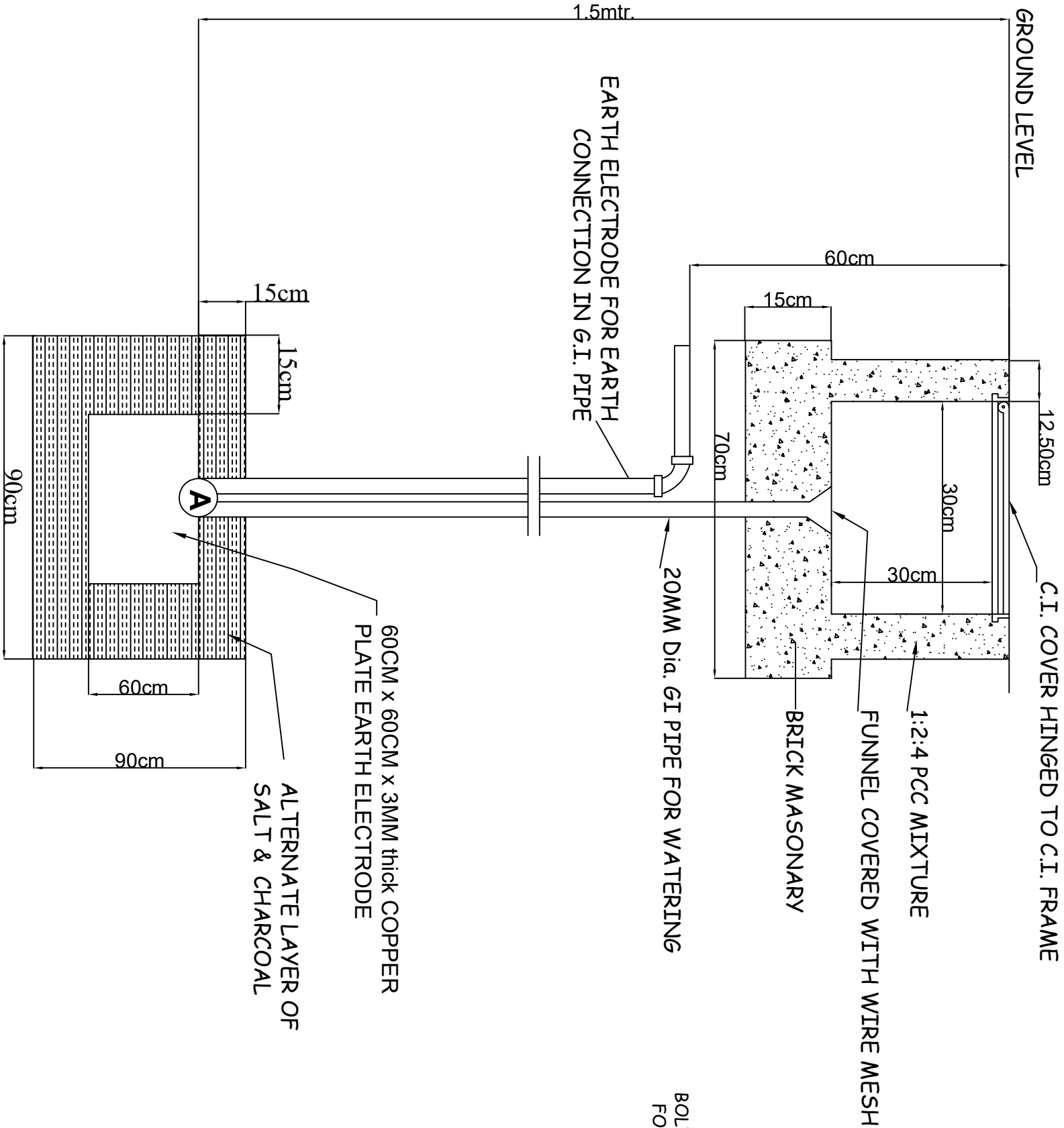
DRAWING NO.

BPC/TD/MD/ELECTRICAL

SCALE

DATE


DWG # 24/25



TECHNICAL SPECIFICATIONS FOR EARTHING:

1. Nuts, bolts & washers to be of GI for GI plate and tinned brass for copper pate.
2. The plate electrode shall be buried in ground with face vertical and top not less than 3m below ground level.
3. Earth electrode shall be suited not less than 1.8m away from building footings.
4. No earth electrodes shall have a resistance greater than 5 ohms as measured by an approved earth testing apparatus. However, in rocky soils resistance may be accepted upto 8 ohms.
5. The size of main earthing lead shall be not less than 8 SWG of copper or 6 SWG G.I wires or copper strips 20mm x 3mm in case for copper earth plate and G.I strips 25mm x 4mm in case G.I earth plate.
6. The seperate earthing electrode must be provided for lightning arresters for building protections. The distance between any two earthing electrodes shall be 5m.
7. Any specification not included herein is deemed to be followed as specified in relevant agency standards of Bhutan or as per international standards in consultation with the client.

TYPICAL INSTALLATION OF PLATE EARTHING

	BHUTAN POWER CORPORATION LIMITED		PROJECT TITLE		REFERENCE NOTES		APPROVED BY		DESIGNED BY		DRAWING TITLE		DRAWING NO.	
TRANSMISSION DEPARTMENT, THIMPHU: BHUTAN.			DESIGN OF STAFF QUARTER (G+2) AT TSHENKHAR, NANGLAM		1. ALL MEASUREMENTS IN THE DRAWING ARE IN mm UNLESS AND OTHERWISE MENTIONED. 2. THE MEASUREMENTS IN THE DRAWING ARE TO BE READ AND NOT MEASURED. 3. ANY DISCREPANCY IN THE DRAWING SHALL BE IMMEDIATELY BROUGHT TO THE NOTICE OF THE DESIGNER.		KUNZANG TOBGYE GENERAL MANAGER TD, BPC.		SANGAY WANGDI ENGINEER, TD, BPC.		REFER DRAWING		BPC/TD/TMD/ELECTRICAL	
			DRAWING STATUS				APPROVAL		APPROVED		SCALE		DATE	
											REF DWG		FEBRUARY, 2022.	
													DWG # 25/25	