

PROJECT: PROPOSED DESIGN OF SECURITY QUARTERS AT GELEPHU AIRPORT.
CLIENT: DEPARTMENT OF AIR TRANSPORT.
BUILDING: FAMILY QUARTER

ELECTRICAL DRAWINGS

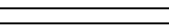
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
Gyaltshen consultancy

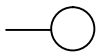


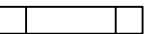
**ROYAL GOVERNMENT OF BHUTAN
CIVIL AVIATION DEPARTMENT**


ELECTRICAL LEGEND


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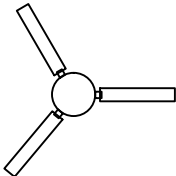
T/L FITTING TMC-21/136 for 1 x 40W TUBE ROD BOX TYPE) - BSB APPD.
- 


SURFACE MOUNTED SPECIAL DRUMLITE for 1 x CFL 11W - BSB APPD.
- 


SLOTTED WALL BRACKET GLASS GLOBE for 1 x CFL 11W (DECON) - BSB APPD
- 


MIRRORLITE FITTING for 2 x CFL 11W (DECON) - BSB APPD.
- 


BRASS ANGLE HOLDER for 1x35W CFL
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
MUSICAL CALL BELL 1x40W
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CEILING FAN 1200MM SWEEP 1x60W - ORIENT - BSB APPD.
- 


1/2 GANG MODULAR 6A LIGHT SWITCH CPL - GENIUS/Freedom -GL/COMPAC - BSB APPD.
1200CM HEIGHT from PPL.
- 


3/4 GANG MODULAR 6A LIGHT SWITCH CPL - GENIUS/Freedom -GL/COMPAC - BSB APPD.
1200CM HEIGHT from PPL.
- 


CEILING FAN REGULATOR 6A CPL - GENIUS/Freedom -GL/COMPAC - APPD.
1200CM HEIGHT from PPL.
- 

6PIN 6A MODULAR SWITCH SOCKET COMBINED 1x100W CPL - GENIUS/Freedom-GL/COMPAC - BSB APPD
35CM HEIGHT from PPL.
- 

6PIN 16A MODULAR SWITCH SOCKET COMBINED 1x2000W CPL - GENIUS/Freedom-GL/COMPAC - BSB APPD
35CM HEIGHT from PPL.
- 

6PIN 16A MODULAR SWITCH SOCKET COMBINED 1x2000W CPL - GENIUS/Freedom-GL/COMPAC - BSB APPD.
150CM HEIGHT from PPL.
- 

RJ-11 TELEPHONE JACK CPL - GENIUS/Freedom-GL/COMPAC - BSB APPD.
35CM HEIGHT from PPL
- 

TV SOCKET CPL - GENIUS/Freedom-GL/COMPAC - BSB APPD
35CM HEIGHT from PPL
- 

MCPB / SDB



ROYAL GOVERNMENT OF BHUTAN
CIVIL AVIATION DEPARTMENT

NOTE:
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-MINOR ADJUSTMENTS NEED TO BE CARRIED OUT ON SITE TO MATCH WITH EXISTING BUILDING

Legend

No.	Revision	Date

Client
Royal Government of Bhutan Civil Aviation Department
Aviation Planners & Engineers
Leading Edge Aviation Planning Professionals
Civil Engineering Consultant
Gyaltshen Consultancy
Project Title

GELEPHU DOMESTIC AIRPORT
DESIGN & SUPERVISION

DESIGN OF SECURITY
QUARTERS.

Drawing Title

FAMILY QUARTER

ELECTRICAL LEGEND

Scale	NTS
Date	SEPT. 1ST 2016
Drawn / Designed By	P. Thinley
Drawing Number	GEL AIRPORT FQ EL-01
LEAPP Project Code	----



ROYAL GOVERNMENT OF BHUTAN
CIVIL AVIATION DEPARTMENT

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Civil Engineering Consultant
Gyaltshen Consultancy
Project Title

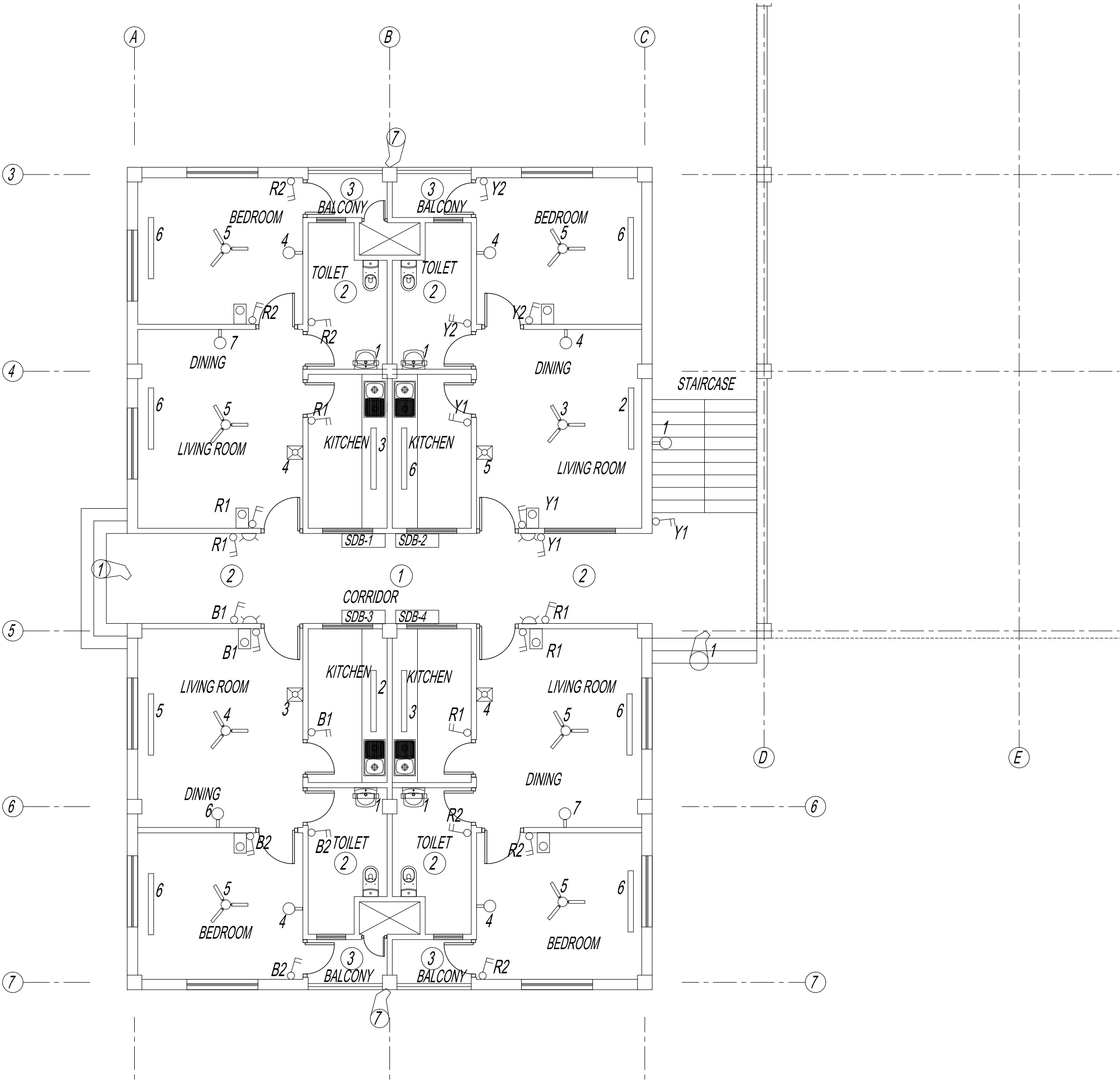
GELEPHU DOMESTIC AIRPORT
DESIGN & SUPERVISION

DESIGN OF SECURITY
QUARTERS.

Drawing Title

FAMILY QUARTER
GROUND FLOOR PLAN
LIGHTING LAYOUT

Scale	NTS
Date	SEPT. 1ST 2016
Drawn / Designed By	P. Thinley
Drawing Number	GEL AIRPORT FQ EL-02
LEAPP Project Code	----





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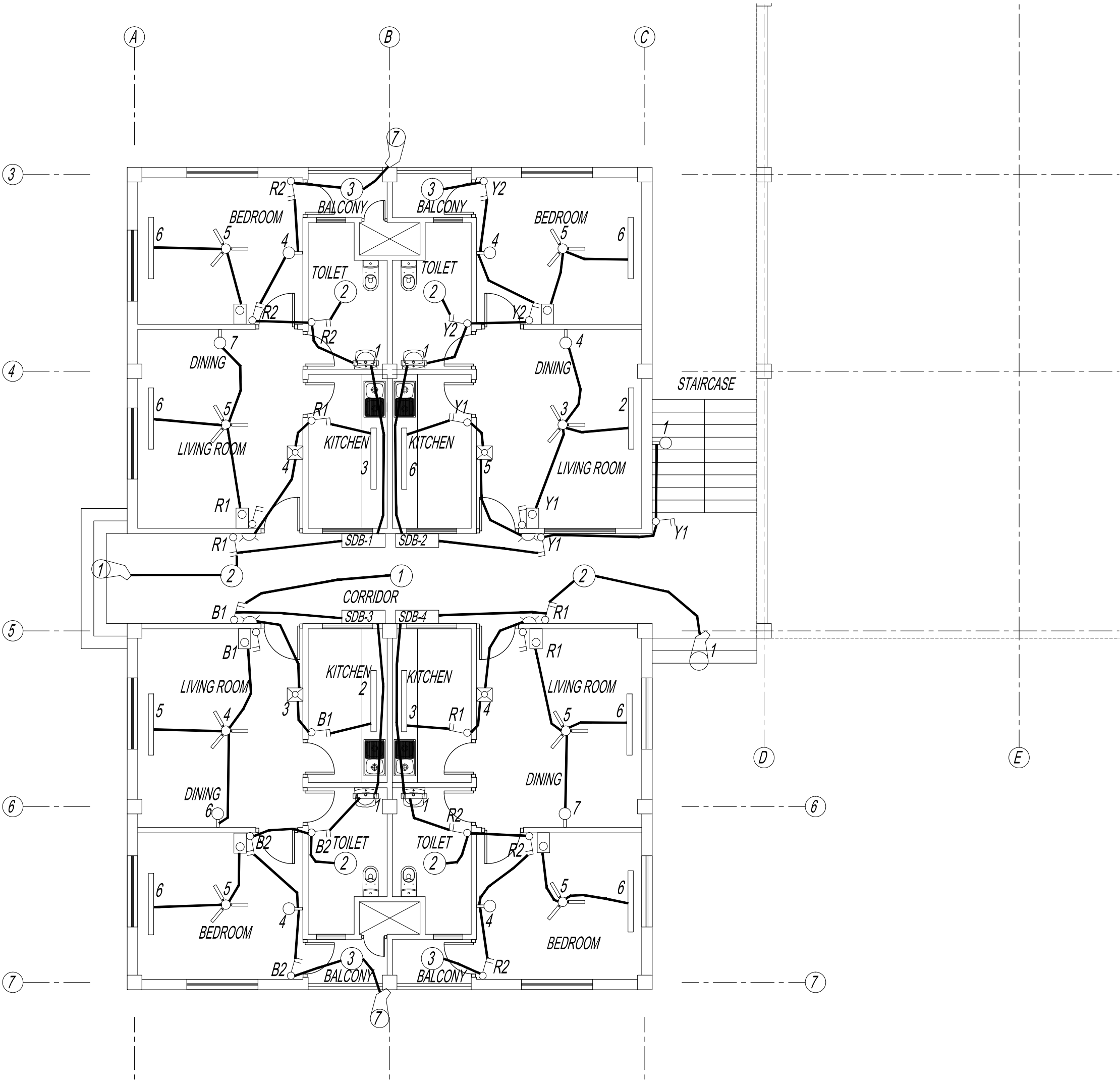
Client	Royal Government of Bhutan Civil Aviation Department
Aviation Planners & Engineers	Leading Edge Aviation Planning Professionals
Civil Engineering Consultant	Gyaltshen Consultancy
Project Title	GELEPHU DOMESTIC AIRPORT DESIGN & SUPERVISION

DESIGN OF SECURITY
QUARTERS.

Drawing Title

FAMILY QUARTER
GROUND FLOOR PLAN
LIGHT PIPING LAYOUT

Scale	NTS
Date	SEPT. 1ST 2016
Drawn / Designed By	P. Thinley
Drawing Number	GEL AIRPORT FQ EL-03
LEAPP Project Code	----





ROYAL GOVERNMENT OF BHUTAN
CIVIL AVIATION DEPARTMENT

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Leading Edge Aviation Planning Professionals
Civil Engineering Consultant
Gyaltshen Consultancy
Project Title

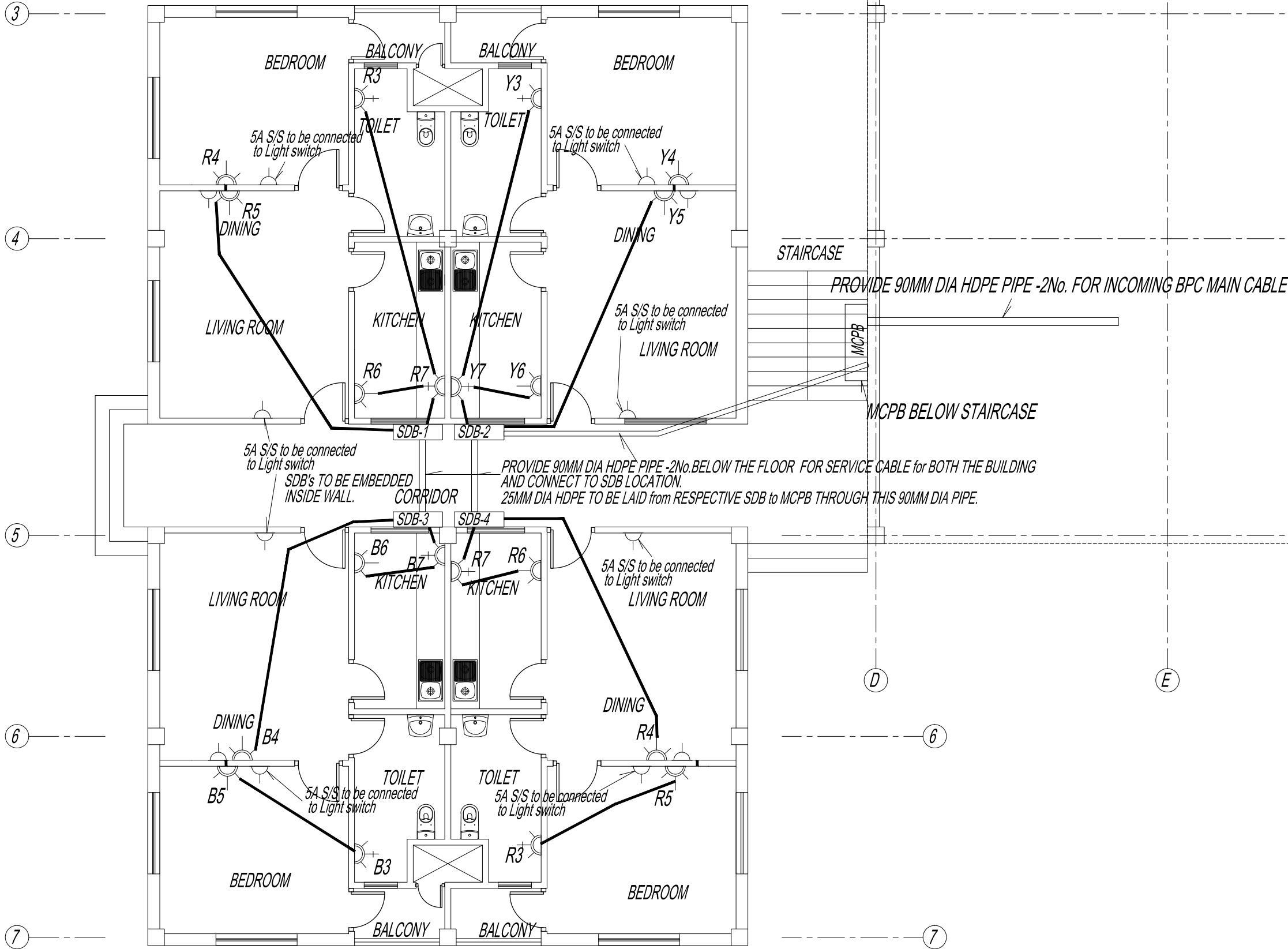
GELEPHU DOMESTIC AIRPORT
DESIGN & SUPERVISION

DESIGN OF SECURITY
QUARTERS.

Drawing Title

FAMILY QUARTER
GROUND FLOOR PLAN
POWER PIPING LAYOUT

Scale	NTS
Date	SEPT. 1ST 2016
Drawn / Designed By	P. Thinley
Drawing Number	GEL AIRPORT FQ EL-04
LEAPP Project Code	----





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CIVIL AVIATION DEPARTMENT

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Royal Government of Bhutan Civil Aviation Department
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Leading Edge Aviation Planning Professionals
Civil Engineering Consultant
Gyaltshen Consultancy
Project Title

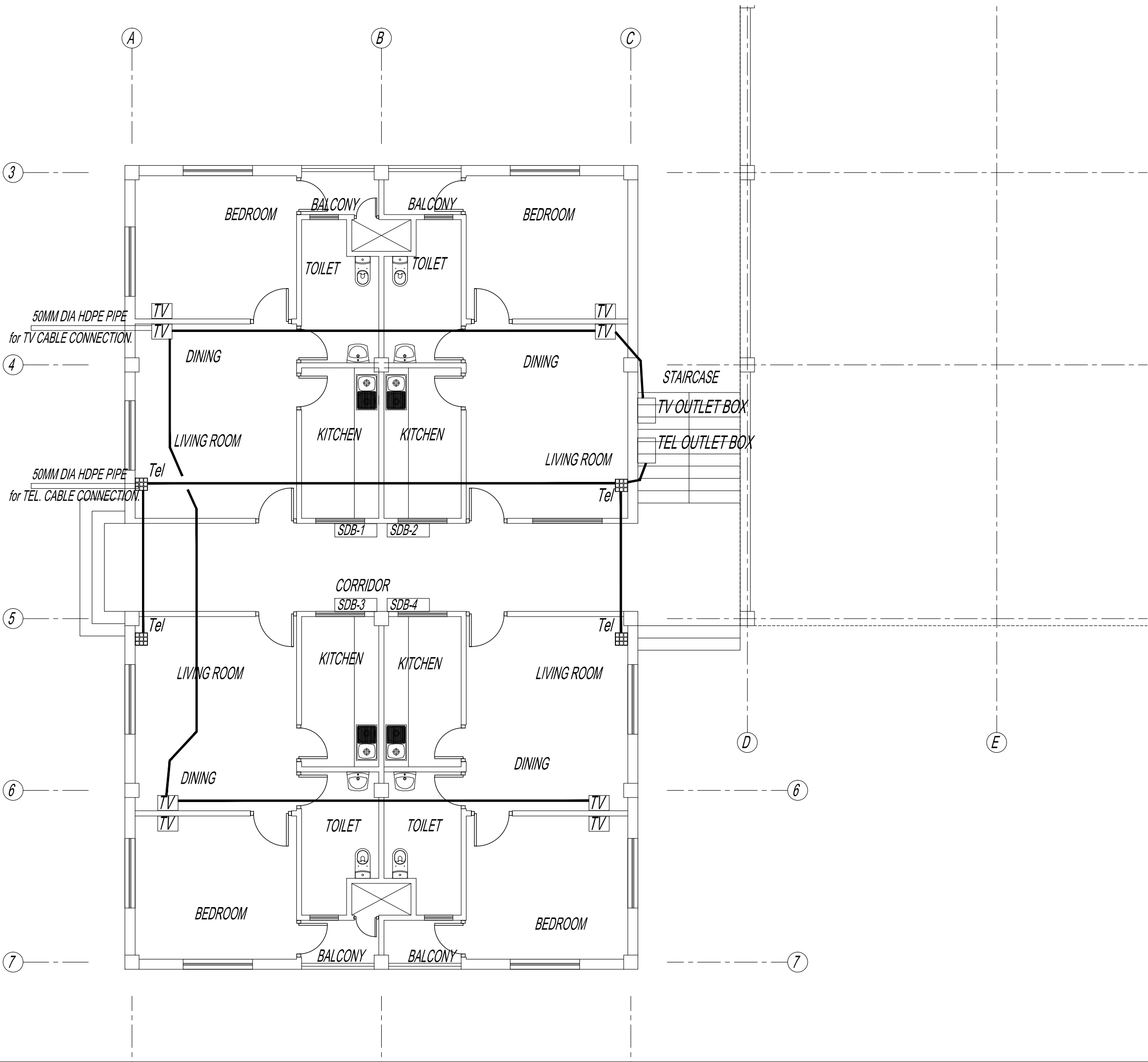
GELEPHU DOMESTIC AIRPORT
DESIGN & SUPERVISION

DESIGN OF SECURITY
QUARTERS.

Drawing Title

FAMILY QUARTER
GROUND FLOOR PLAN
TV PIPING LAYOUT

Scale	NTS
Date	SEPT. 1ST 2016
Drawn / Designed By	P. Thinley
Drawing Number	GEL AIRPORT FQ EL-05
LEAPP Project Code	----





ROYAL GOVERNMENT OF BHUTAN
CIVIL AVIATION DEPARTMENT

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Gyaltshen Consultancy
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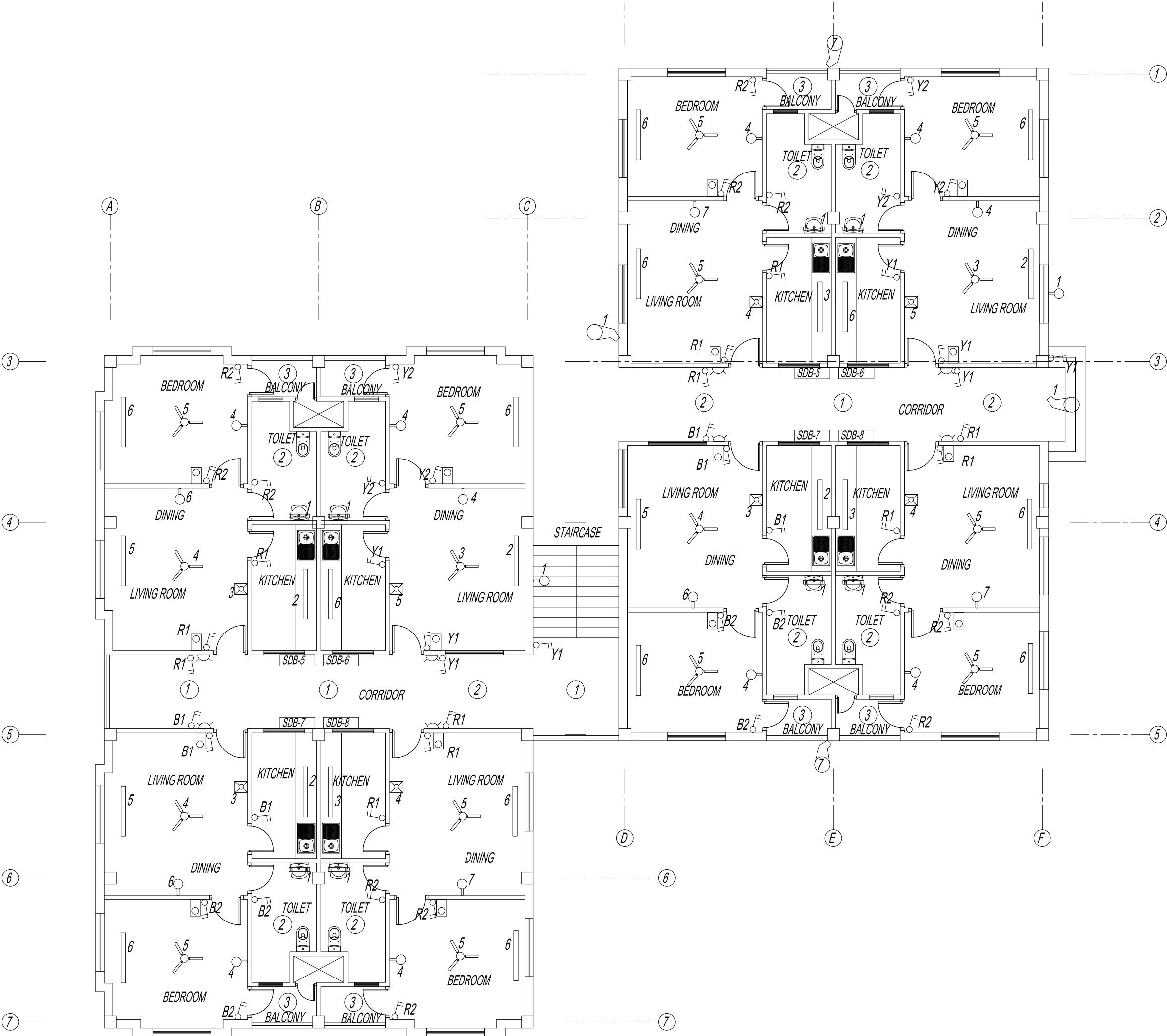
GELEPHU DOMESTIC AIRPORT
DESIGN & SUPERVISION

DESIGN OF SECURITY
QUARTERS.

Drawing Title

FAMILY QUARTER
FIRST FLOOR PLAN
LIGHTING LAYOUT

Scale NTS
Date SEPT. 1ST 2016
Drawn / Designed By P. Thinley
Drawing Number GEL AIRPORT FQ EL-06
LEAPP Project Code





ROYAL GOVERNMENT OF BHUTAN
CIVIL AVIATION DEPARTMENT

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Royal Government of Bhutan Civil Aviation Department
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Civil Engineering Consultant
Gyaltshen Consultancy
Project Title

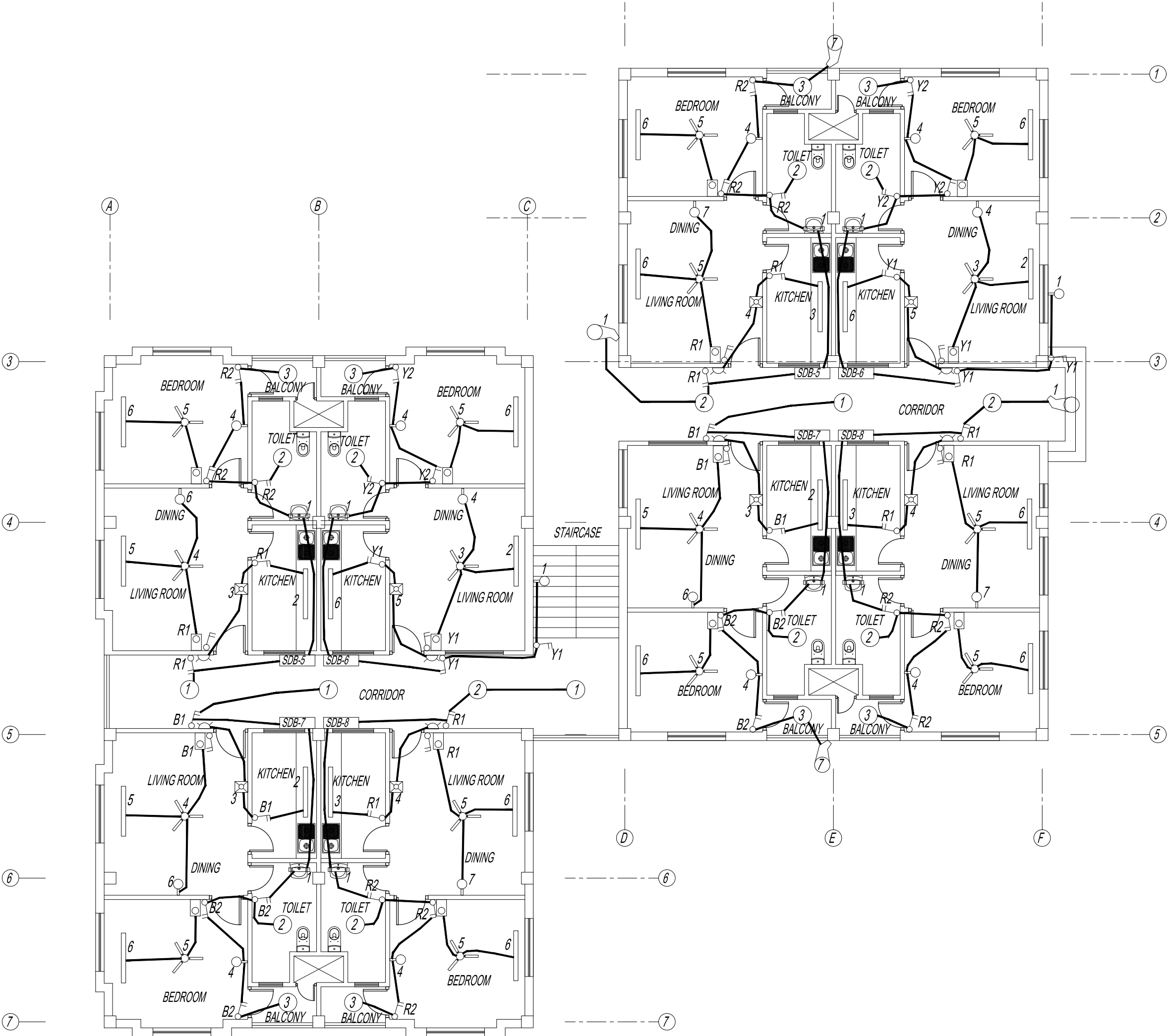
GELEPHU DOMESTIC AIRPORT
DESIGN & SUPERVISION

DESIGN OF SECURITY
QUARTERS.

Drawing Title

FAMILY QUARTER
FIRST FLOOR PLAN
LIGHT PIPING LAYOUT

Scale NTS
Date SEPT. 1ST 2016
Drawn / Designed By P. Thinley
Drawing Number GEL AIRPORT FQ EL-07
LEAPP Project Code



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Legend

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Client

Royal Government of Bhutan Civil Aviation Department

Aviation Planners & Engineers

Leading Edge Aviation Planning Professionals

Civil Engineering Consultant

Gyaltshen Consultancy

Project Title

GELEPHU DOMESTIC AIRPORT DESIGN & SUPERVISION

DESIGN OF SECURITY QUARTERS.

Drawing Title

FAMILY QUARTER
FIRST FLOOR PLAN
POWER PIPING LAYOUT

Scale	NTS	
Date	SEPT. 1ST 2016	
Drawn / Designed By	P. Thinley	
Drawing Number	GEL AIRPORT FQ EL-08	Revision R0
LEAPP Project Code		



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BUILDING

Legend

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Client
Royal Government of Bhutan Civil Aviation Depart
Aviation Planners & Engineers
Leading Edge Aviation Planning Professionals
Civil Engineering Consultant
Gyaltshen Consultancy
Project Title

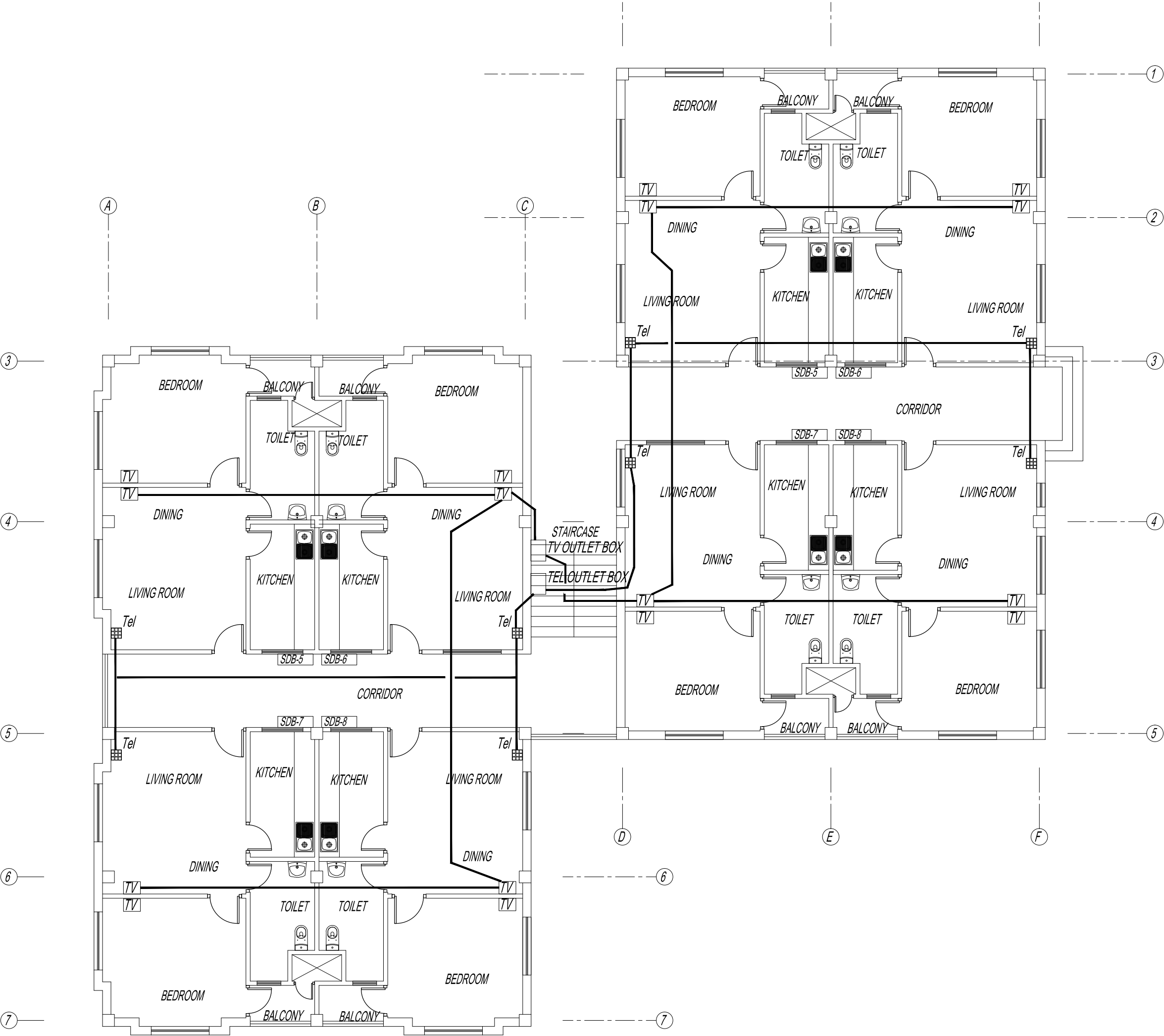
GELEPHU DOMESTIC AIRPORT
DESIGN & SUPERVISION

DESIGN OF SECURITY
QUARTERS.

Drawing Title

FAMILY QUARTER
FIRST FLOOR PLAN
TV PIPING LAYOUT

Scale	NTS
Date	SEPT. 1ST 2016
Drawn / Designed By	P. Thinley
Drawing Number	GEL AIRPORT FQ EL-09
LEAPP Project Code	----





ROYAL GOVERNMENT OF BHUTAN
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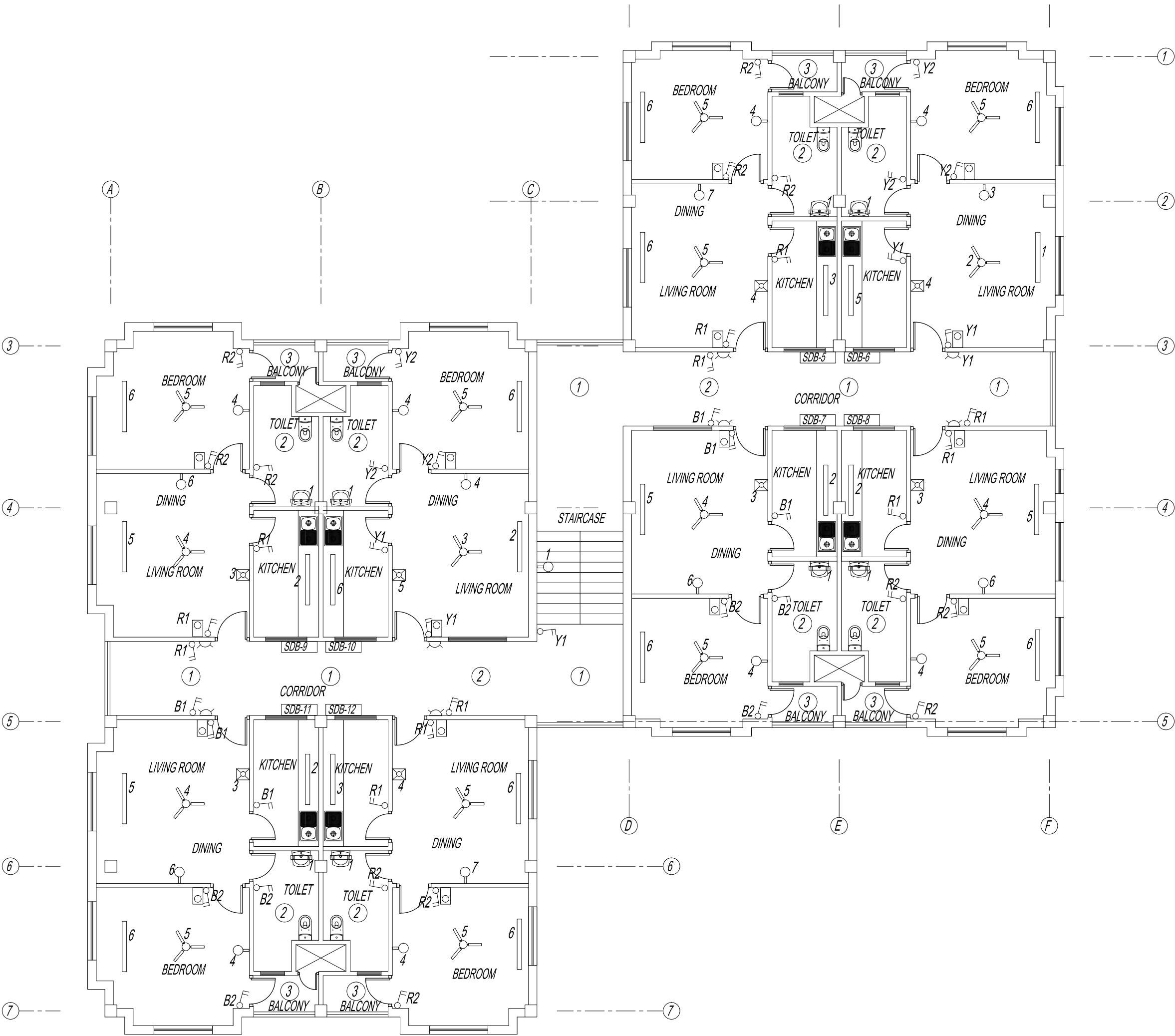
No.	Revision	Date

Client	Royal Government of Bhutan Civil Aviation Department
Aviation Planners & Engineers	Leading Edge Aviation Planning Professionals
Civil Engineering Consultant	Gyaltshen Consultancy
Project Title	GELEPHU DOMESTIC AIRPORT DESIGN & SUPERVISION

DESIGN OF SECURITY
QUARTERS.

Drawing Title
**FAMILY QUARTER
SECOND FLOOR PLAN
LIGHTING LAYOUT**

Scale	NTS	Rev
Date	SEPT. 1ST 2016	R0
Drawn / Designed By	P. Thinley	
Drawing Number	GEL AIRPORT FQ EL-10	
LEAPP Project Code	----	





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Leading Edge Aviation Planning Professionals
Civil Engineering Consultant
Gyaltshen Consultancy
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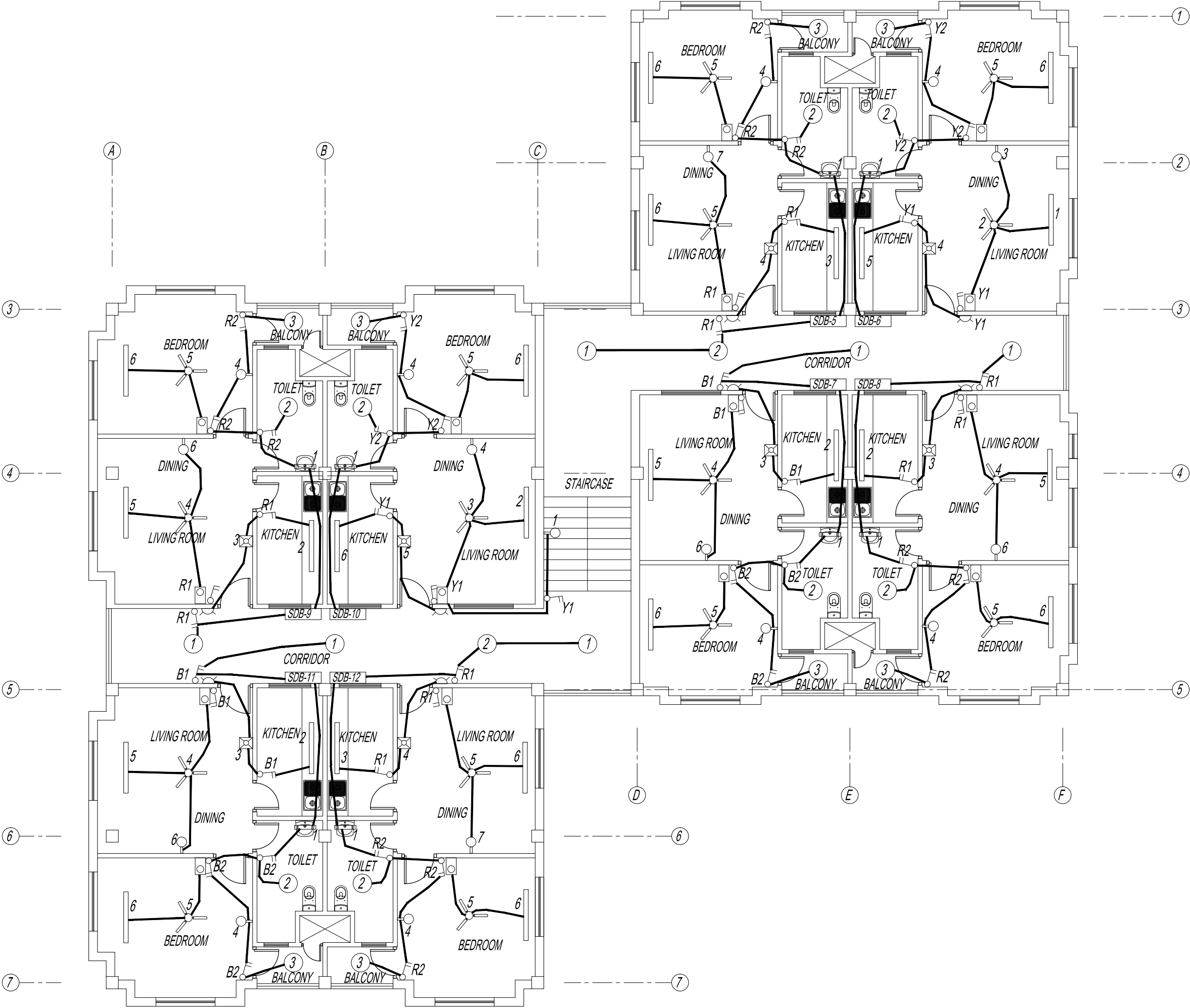
GELEPHU DOMESTIC AIRPORT
DESIGN & SUPERVISION

DESIGN OF SECURITY
QUARTERS.

Drawing Title

FAMILY QUARTER
SECOND FLOOR PLAN
LIGHT PIPING LAYOUT

Scale	NTS	Rev
Date	SEPT. 1ST 2016	R0
Drawn / Designed By	P. Thinley	
Drawing Number	GEL AIRPORT FQ EL-11	
LEAPP Project Code	----	





ROYAL GOVERNMENT OF BHUTAN
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Client	Royal Government of Bhutan Civil Aviation Department
Aviation Planners & Engineers	Leading Edge Aviation Planning Professionals
Civil Engineering Consultant	Gyaltsen Consultancy
Project Title	GELEPHU DOMESTIC AIRPORT DESIGN & SUPERVISION

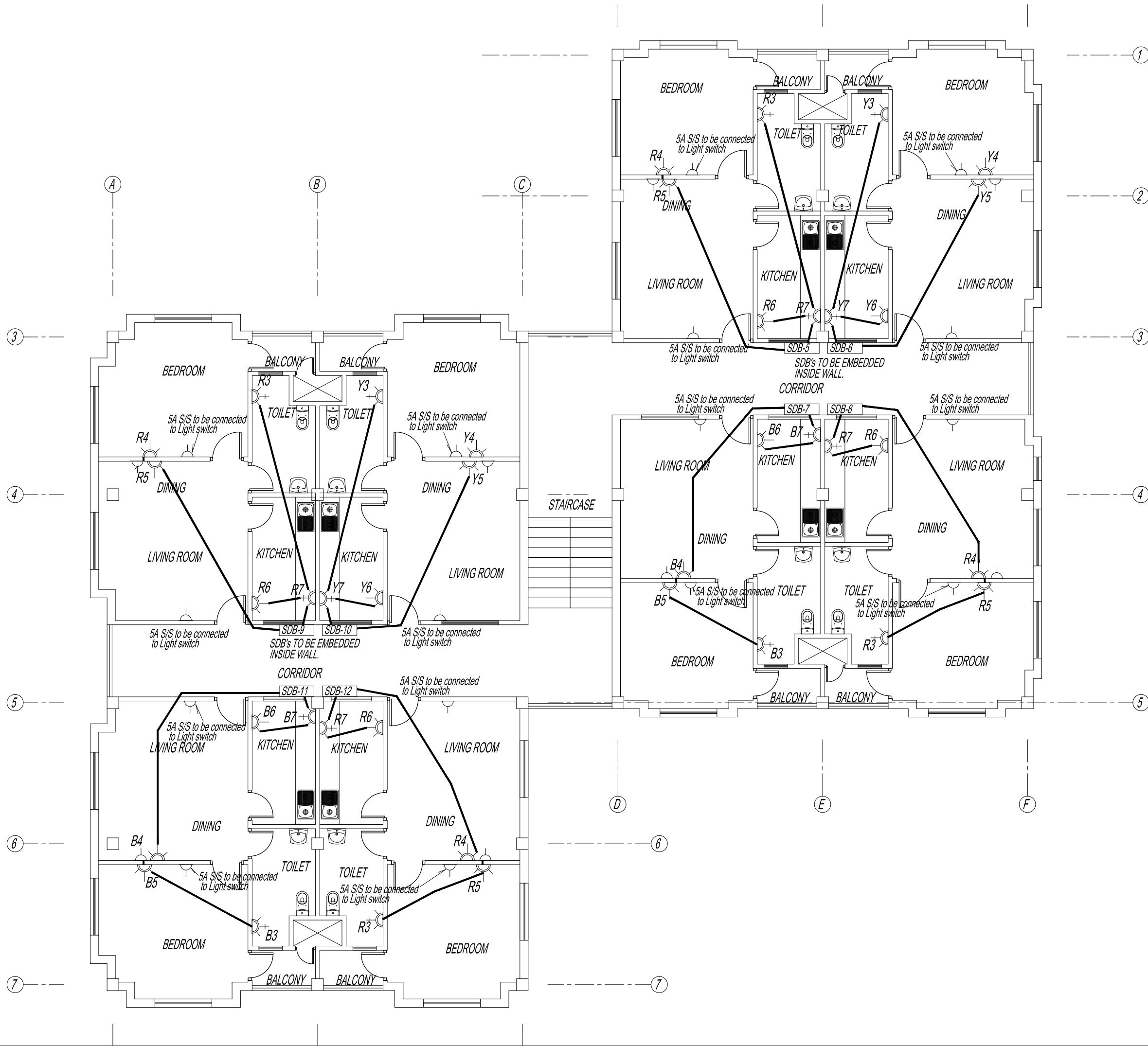
GELEPHU DOMESTIC AIRPORT
DESIGN & SUPERVISION

DESIGN OF SECURITY
QUARTERS.

Drawing Title

FAMILY QUARTER
SECOND FLOOR PLAN
POWER PIPING LAYOUT

Scale	NTS
Date	SEPT. 1ST 2016
Drawn / Designed By	P. Thinley
Drawing Number	GEL AIRPORT FQ EL-12
LEAPP Project Code	----





ROYAL GOVERNMENT OF BHUTAN
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Civil Engineering Consultant
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Project Title

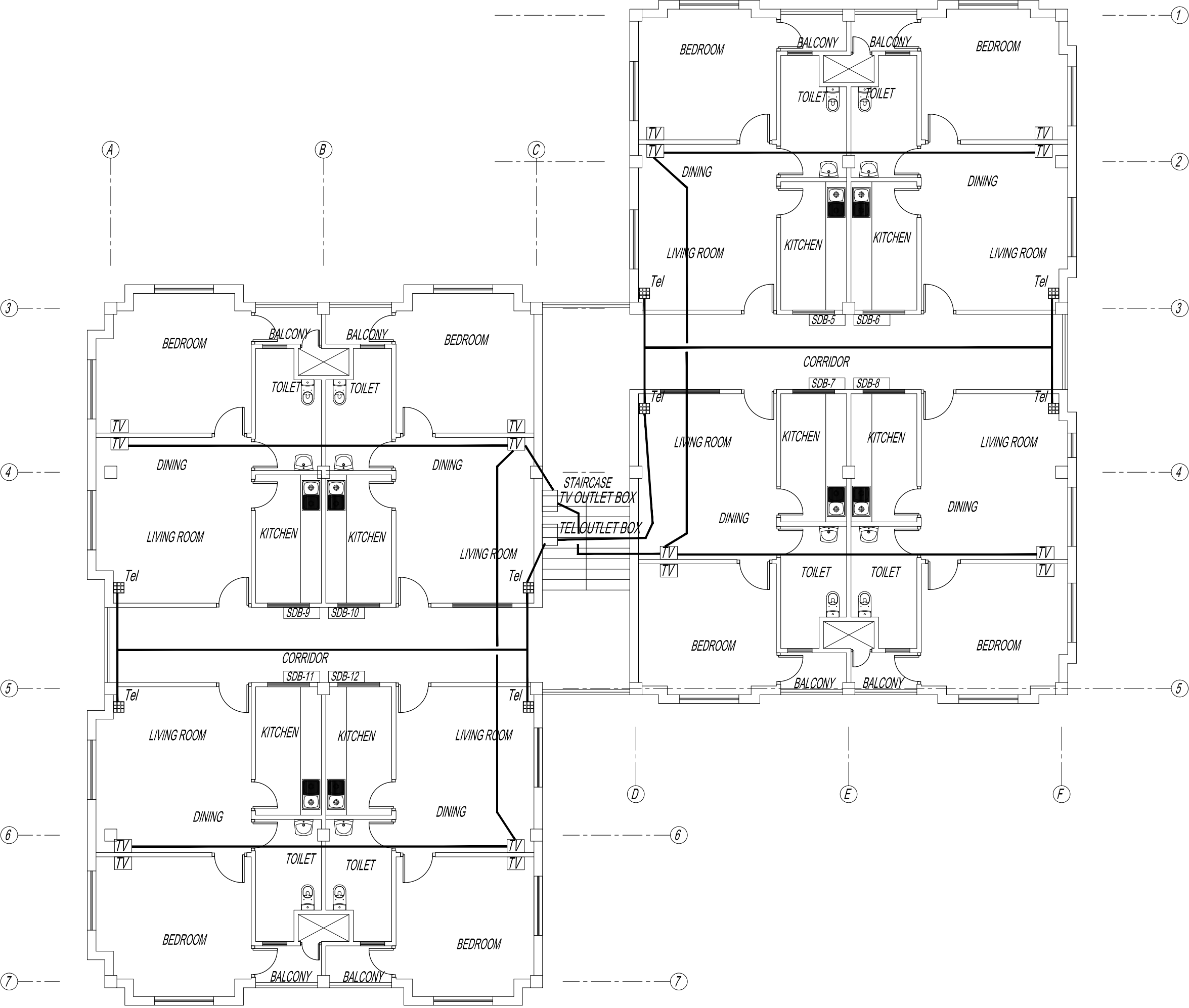
GELEPHU DOMESTIC AIRPORT
DESIGN & SUPERVISION

DESIGN OF SECURITY
QUARTERS.

Drawing Title

FAMILY QUARTER
SECOND FLOOR PLAN
TV PIPING LAYOUT

Scale	NTS
Date	SEPT. 1ST 2016
Drawn / Designed By	P. Thinley
Drawing Number	GEL AIRPORT FQ EL-13
LEAPP Project Code	----





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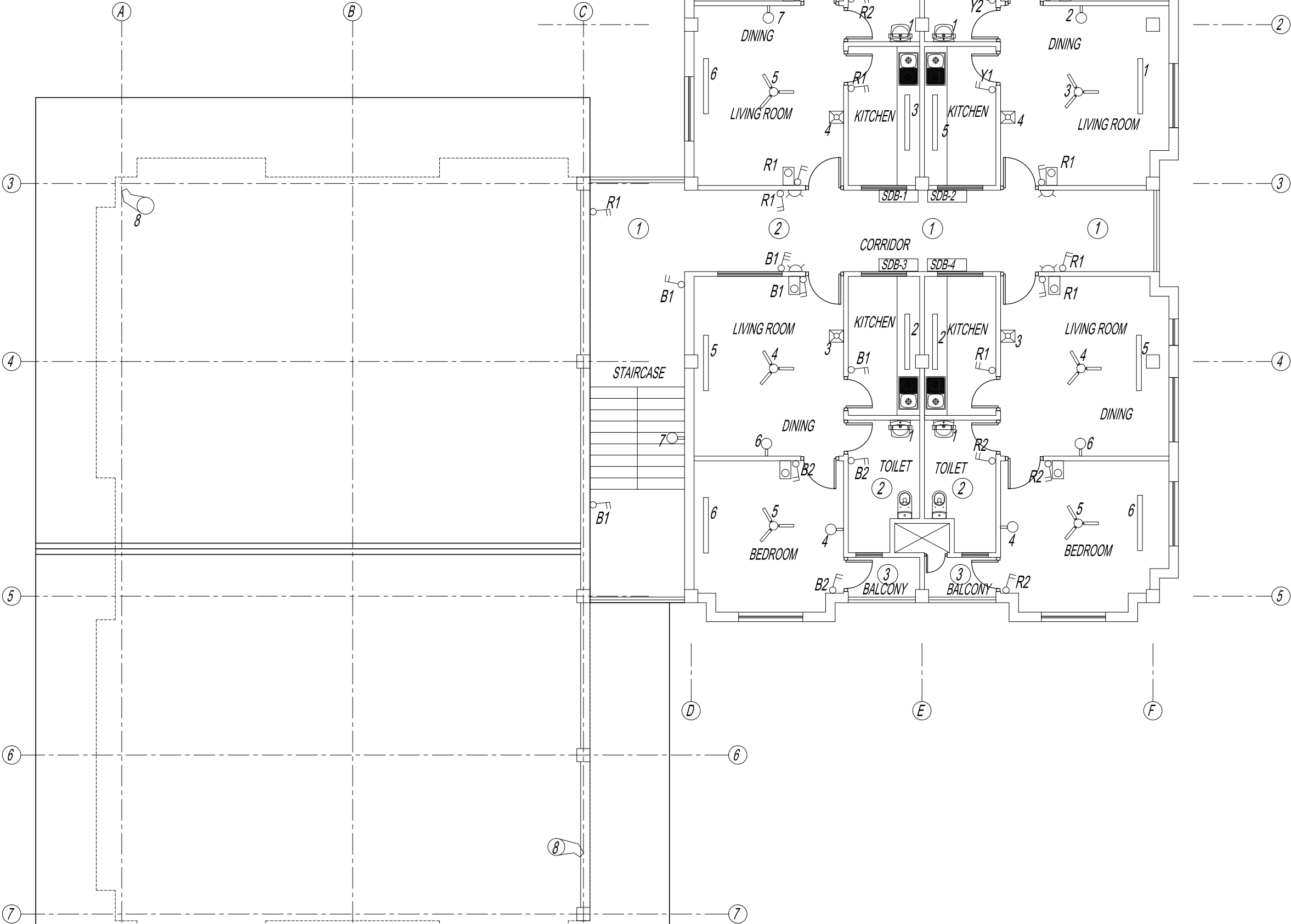
GELEPHU DOMESTIC AIRPORT
DESIGN & SUPERVISION

DESIGN OF SECURITY
QUARTERS.

Drawing Title

FAMILY QUARTER
THIRD FLOOR PLAN
LIGHTING LAYOUT

Scale	NTS	Rev
Date	SEPT. 1ST 2016	R0
Drawn / Designed By	P. Thinley	
Drawing Number	GEL AIRPORT FQ EL-14	
LEAPP Project Code	----	





ROYAL GOVERNMENT OF BHUTAN
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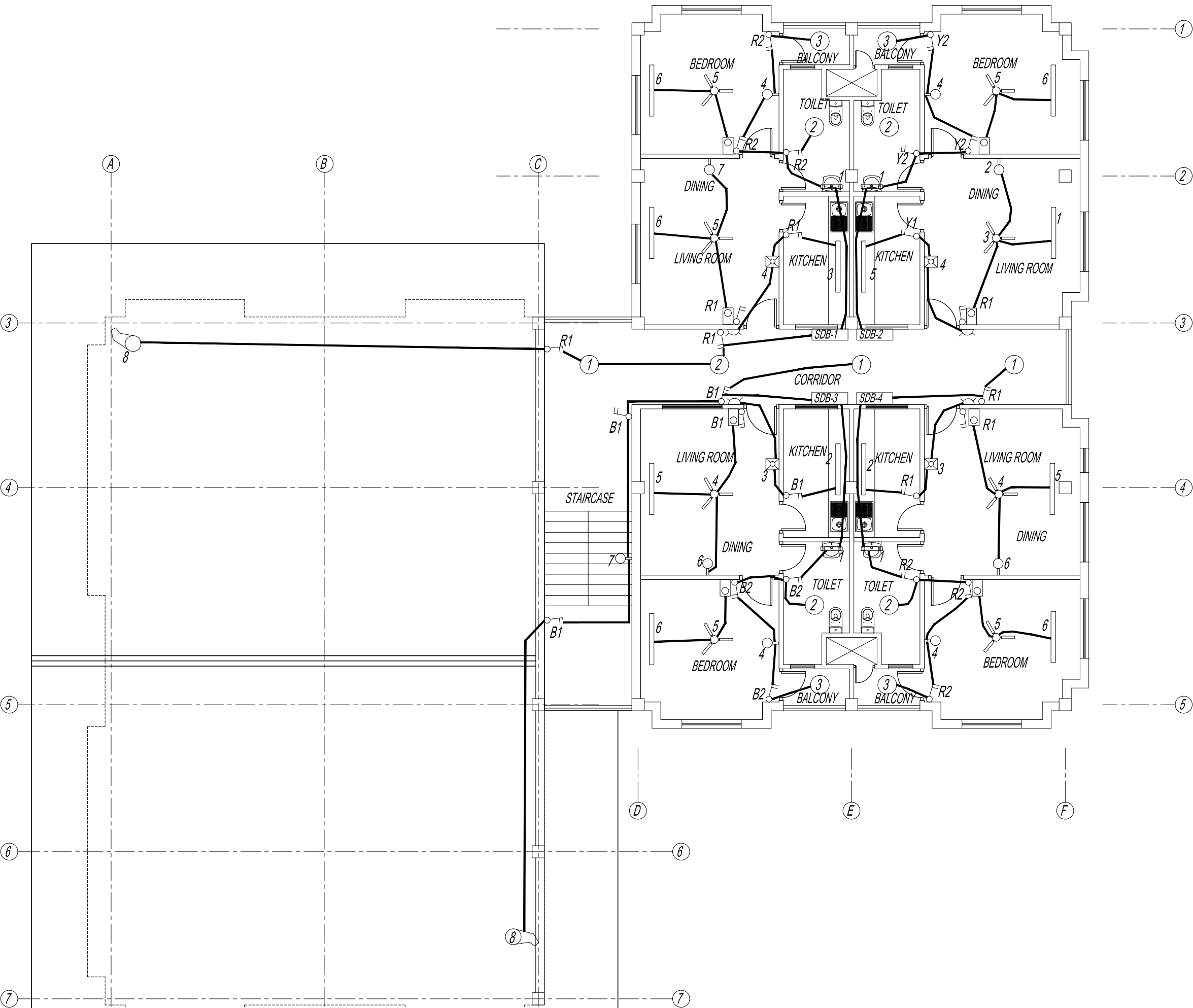
GELEPHU DOMESTIC AIRPORT
DESIGN & SUPERVISION

DESIGN OF SECURITY
QUARTERS.

Drawing Title

FAMILY QUARTER
THIRD FLOOR PLAN
LIGHT PIPING LAYOUT

Scale	NTS	Rev
Date	SEPT. 1ST 2016	R0
Drawn / Designed By	P. Thinley	
Drawing Number	GEL AIRPORT FQ EL-15	
LEAPP Project Code	----	





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Aviation Planners & Engineers	Leading Edge Aviation Planning Professionals
Civil Engineering Consultant	Gyaltshen Consultancy
Project Title	GELEPHU DOMESTIC AIRPORT DESIGN & SUPERVISION

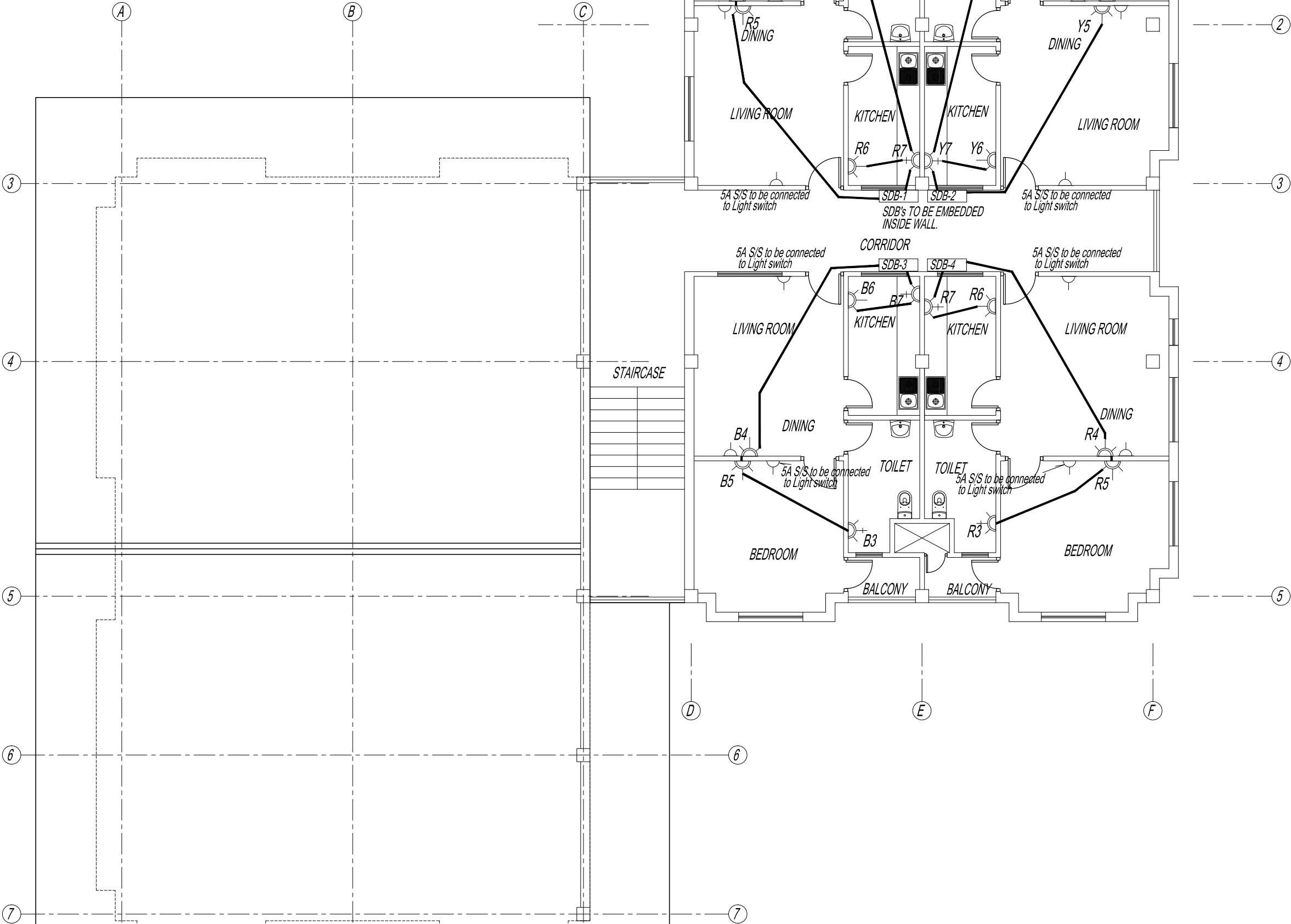
GELEPHU DOMESTIC AIRPORT
DESIGN & SUPERVISION

DESIGN OF SECURITY
QUARTERS.

Drawing Title

FAMILY QUARTER
THIRD FLOOR PLAN
POWER PIPING LAYOUT

Scale	NTS
Date	SEPT. 1ST 2016
Drawn / Designed By	P. Thinley
Drawing Number	GEL AIRPORT FQ EL-16
Rev	R0
LEAPP Project Code	----





ROYAL GOVERNMENT OF BHUTAN
CIVIL AVIATION DEPARTMENT

NOTE:
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-ALL RELATIVE LEVELS ARE IN METERS UNLESS SPECIFIED OTHERWISE
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THE CONSULTANTS/SUPERVISION TEAM
-MINOR ADJUSTMENTS NEED TO BE CARRIED OUT ON SITE TO MATCH WITH EXI
BUILDING

Legend

No.	Revision	Date

Client
Royal Government of Bhutan Civil Aviation Depart
Aviation Planners & Engineers
Leading Edge Aviation Planning Professionals
Civil Engineering Consultant
Gyaltshen Consultancy
Project Title

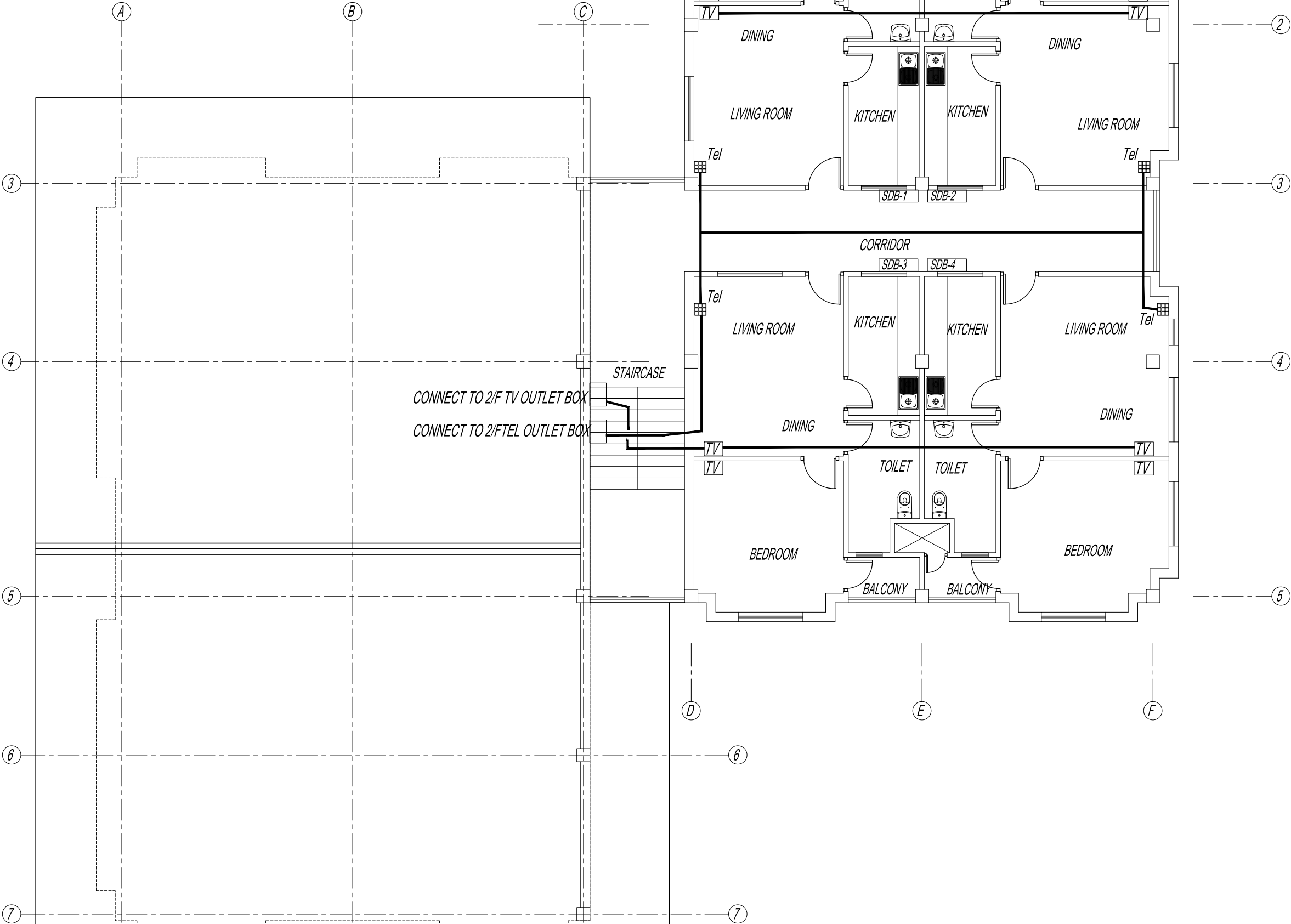
GELEPHU DOMESTIC AIRPORT
DESIGN & SUPERVISION

DESIGN OF SECURITY
QUARTERS.

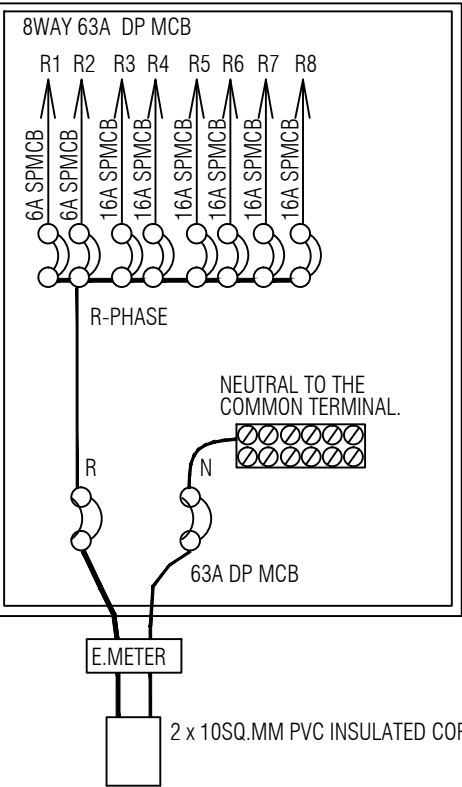
Drawing Title

FAMILY QUARTER
THIRD FLOOR PLAN
TV PIPING LAYOUT

Scale	NTS
Date	SEPT. 1ST 2016
Drawn / Designed By	P. Thinley
Drawing Number	GEL AIRPORT FQ EL-17
Rev	R0
LEAPP Project Code	----



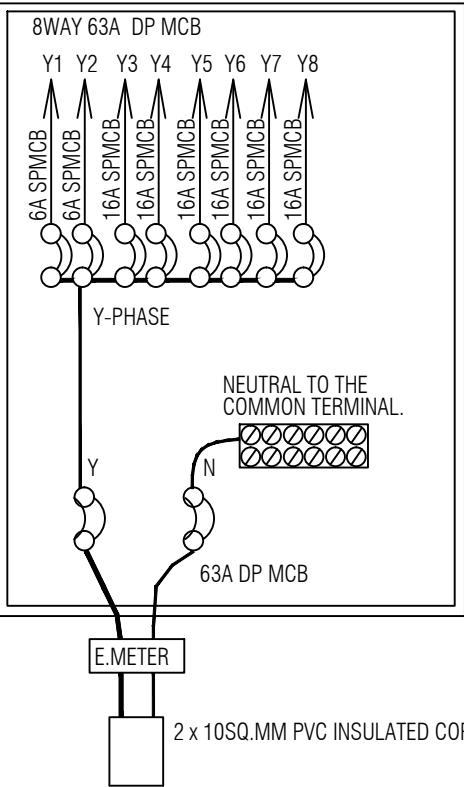
SDB-1 GROUND FLOOR



BALANCE LOADS IN WATTS
R-PHASE AT SDB-1 G/F

R1	337
R2	179
R3	2000
R4	2000
R5	2100
R6	2000
R7	2000
R8	SPARE
10616	

SDB-2 GROUND FLOOR



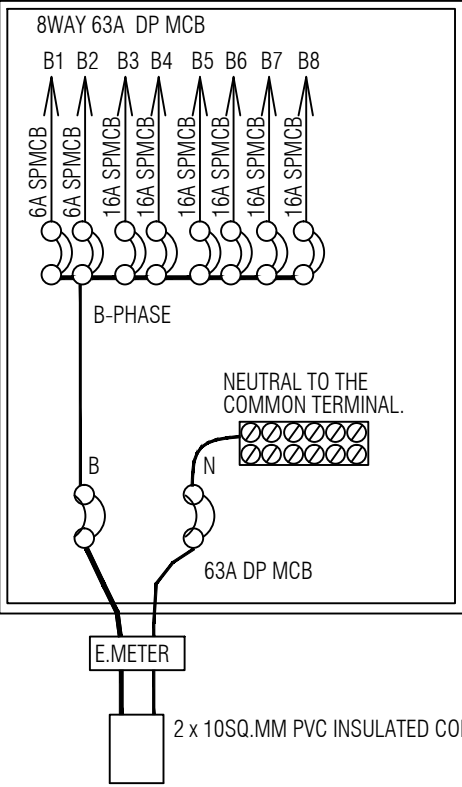
BALANCE LOADS IN WATTS
Y-PHASE AT SDB-2

Y1	302
Y2	144
Y3	2000
Y4	2000
Y5	2100
Y6	2000
Y7	2000
Y8	SPARE
10546	

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for GF

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for GF

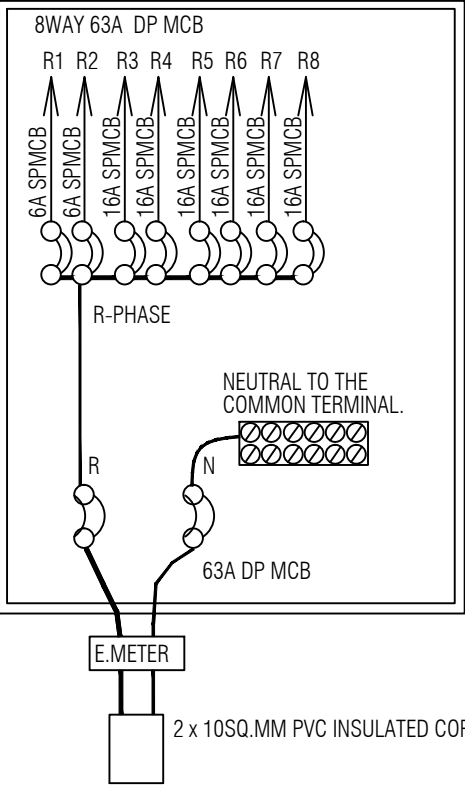
SDB-3 GROUND FLOOR



BALANCE LOADS IN WATTS
B-PHASE AT SDB-3 G/F

B1	302
B2	179
B3	2000
B4	2100
B5	2000
B6	2000
B7	2000
B8	SPARE
10581	

SDB-4 GROUND FLOOR



BALANCE LOADS IN WATTS
R-PHASE AT SDB-4 G/F

R1	337
R2	144
R3	2000
R4	2100
R5	2000
R6	2000
R7	2000
R8	SPARE
10581	

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for GF

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for GF



ROYAL GOVERNMENT OF BHUTAN
CIVIL AVIATION DEPARTMENT

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BUILDING

Legend

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Client	Royal Government of Bhutan Civil Aviation Depart
Aviation Planners & Engineers	Leading Edge Aviation Planning Professionals
Civil Engineering Consultant	Gyaltshen Consultancy
Project Title	

GELEPHU DOMESTIC AIRPORT
DESIGN & SUPERVISION

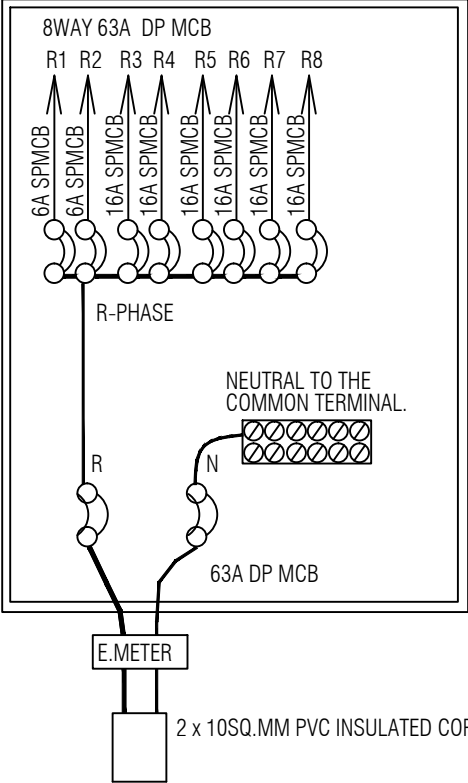
DESIGN OF SECURITY
QUARTERS.

Drawing Title

FAMILY QUARTER
GROUND FLOOR
SINGLE LINE DIAGRAM
CIRCUIT REF. OUTGOING

Scale	NTS
Date	SEPT. 1ST 2016
Drawn / Designed By	P. Thinley
Drawing Number	GEL AIRPORT FQ EL-18
LEAPP Project Code	----

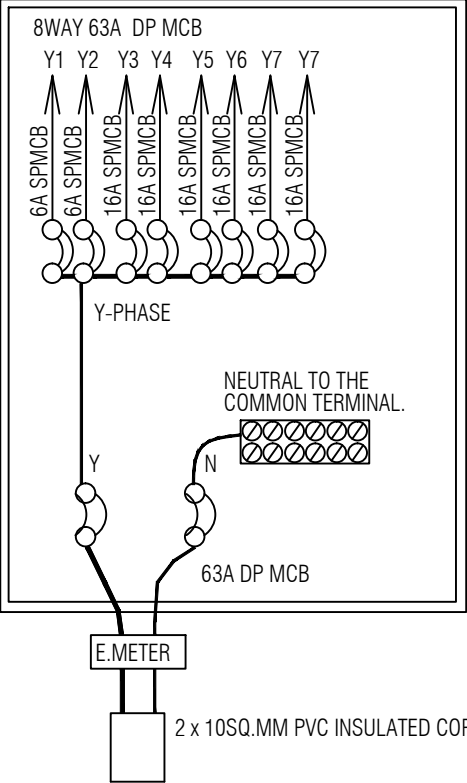
SDB-5 FIRST FLOOR



BALANCE LOADS IN WATTS
R-PHASE AT SDB-1 F/F

R1	302
R2	144
R3	2000
R4	2000
R5	2100
R6	2000
R7	2000
R8	SPARE
10546	

SDB-6 FIRST FLOOR



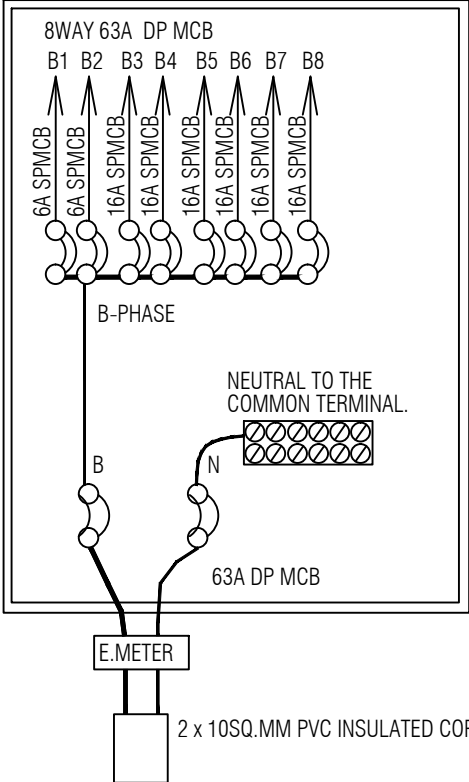
BALANCE LOADS IN WATTS
Y-PHASE AT SDB-2 F/F

Y1	302
Y2	144
Y3	2000
Y4	2000
Y5	2000
Y6	2100
Y7	2000
Y8	SPARE
10546	

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for FF

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for FF

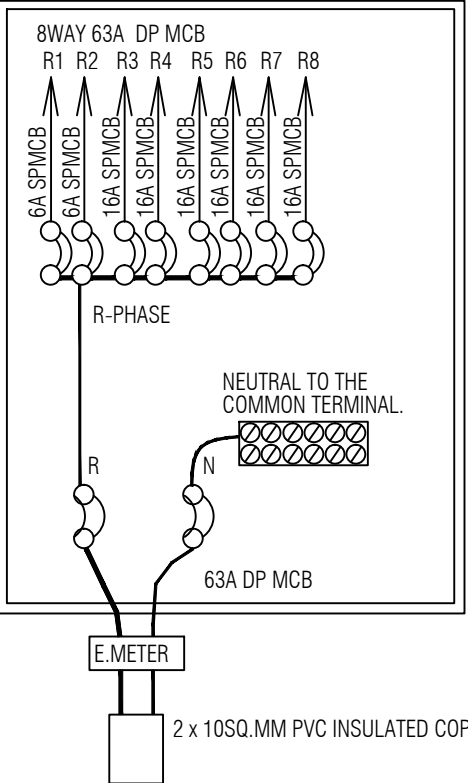
SDB-7 FIRST FLOOR



BALANCE LOADS IN WATTS
B-PHASE AT SDB-3 F/F

B1	302
B2	144
B3	2000
B4	2100
B5	2000
B6	2000
B7	2000
B8	SPARE
10546	

SDB-8 FIRST FLOOR



BALANCE LOADS IN WATTS
R-PHASE AT SDB-4 F/F

R1	313
R2	144
R3	2000
R4	2100
R5	2000
R6	2000
R7	2000
R8	SPARE
10557	

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for FF

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for FF



ROYAL GOVERNMENT OF BHUTAN
CIVIL AVIATION DEPARTMENT

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Legend

No.	Revision	Date

Client	Royal Government of Bhutan Civil Aviation Department
Aviation Planners & Engineers	Leading Edge Aviation Planning Professionals
Civil Engineering Consultant	Gyaltshen Consultancy
Project Title	GELEPHU DOMESTIC AIRPORT DESIGN & SUPERVISION

GELEPHU DOMESTIC AIRPORT
DESIGN & SUPERVISION

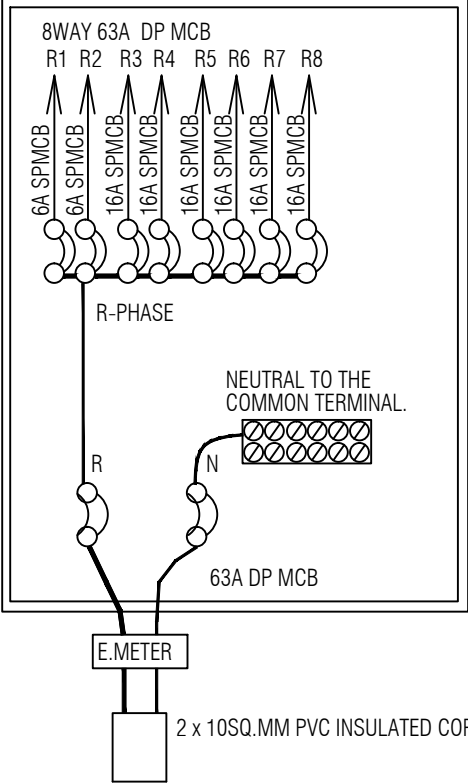
DESIGN OF SECURITY
QUARTERS.

Drawing Title

FAMILY QUARTER
FIRST FLOOR
SINGLE LINE DIAGRAM
CIRCUIT REF. OUTGOING

Scale	NTS
Date	SEPT. 1ST 2016
Drawn / Designed By	P. Thinley
Drawing Number	GEL AIRPORT FQ EL-19
LEAPP Project Code	----

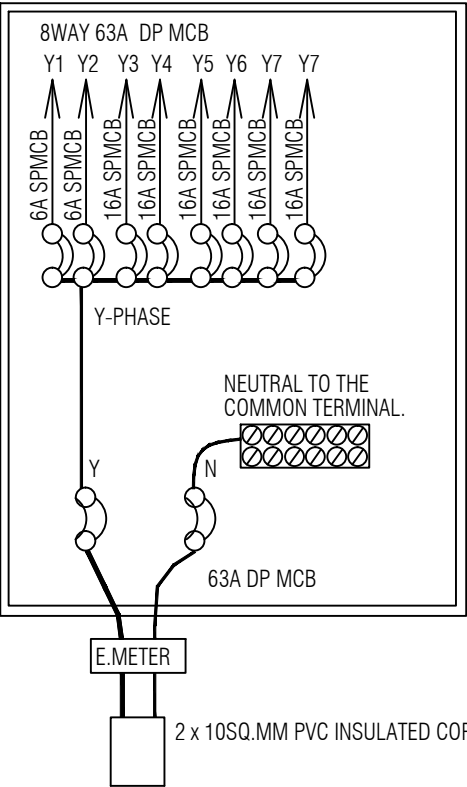
SDB-1 FIRST FLOOR



BALANCE LOADS IN WATTS
R-PHASE AT SDB-5 F/F

R1	337
R2	179
R3	2000
R4	2000
R5	2100
R6	2000
R7	2000
R8	SPARE
	10616

SDB-2 FIRST FLOOR



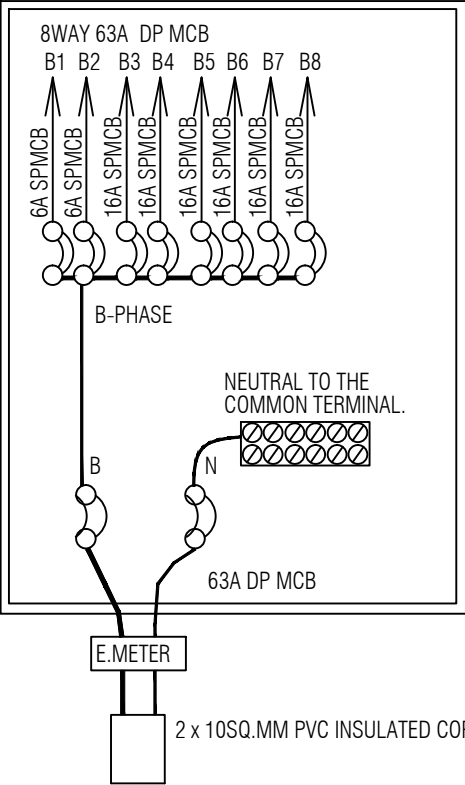
BALANCE LOADS IN WATTS
Y-PHASE AT SDB-6 F/F

Y1	302
Y2	144
Y3	2000
Y4	2000
Y5	2000
Y6	2100
Y7	2000
Y8	SPARE
	10546

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for FF

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for FF

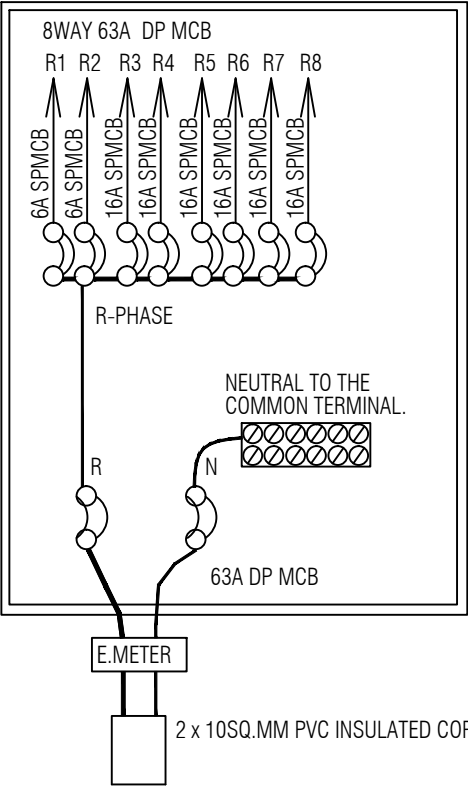
SDB-3 FIRST FLOOR



BALANCE LOADS IN WATTS
B-PHASE AT SDB-7 F/F

B1	302
B2	179
B3	2000
B4	2100
B5	2000
B6	2000
B7	2000
B8	SPARE
	10581

SDB-4 FIRST FLOOR



BALANCE LOADS IN WATTS
R-PHASE AT SDB-8 F/F

R1	337
R2	144
R3	2000
R4	2100
R5	2000
R6	2000
R7	2000
R8	SPARE
	10581

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for FF

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for FF



ROYAL GOVERNMENT OF BHUTAN
CIVIL AVIATION DEPARTMENT

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Legend

No.	Revision	Date

Client	Royal Government of Bhutan Civil Aviation Department
Aviation Planners & Engineers	Leading Edge Aviation Planning Professionals
Civil Engineering Consultant	Gyaltshen Consultancy
Project Title	GELEPHU DOMESTIC AIRPORT DESIGN & SUPERVISION

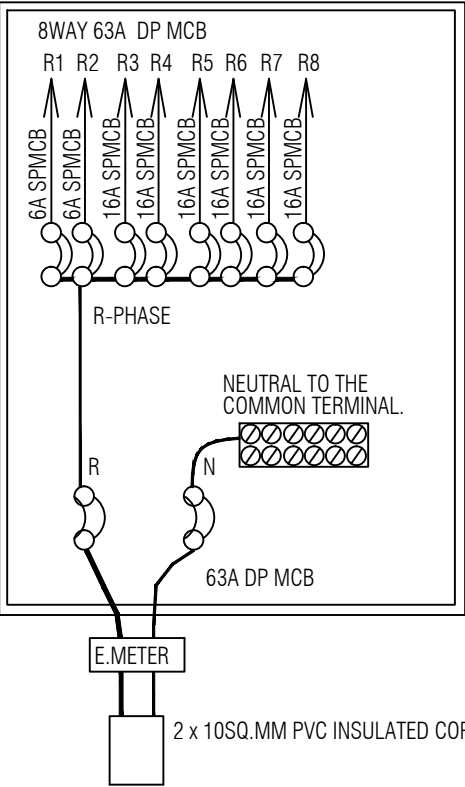
DESIGN OF SECURITY
QUARTERS.

Drawing Title

FAMILY QUARTER
FIRST FLOOR
SINGLE LINE DIAGRAM
CIRCUIT REF. OUTGOING

Scale	NTS
Date	SEPT. 1ST 2016
Drawn / Designed By	P. Thinley
Drawing Number	GEL AIRPORT FQ EL-20
LEAPP Project Code	----

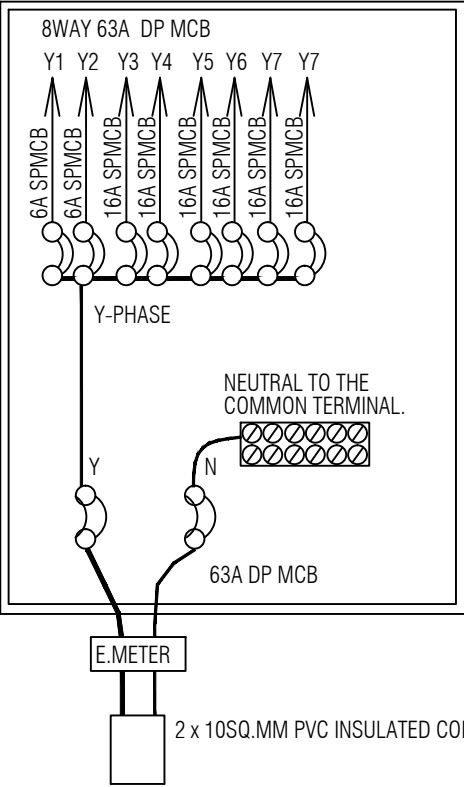
SDB-9 SECOND FLOOR



BALANCE LOADS IN WATTS
R-PHASE AT SDB-1 2/F

R1	302
R2	144
R3	2000
R4	2000
R5	2100
R6	2000
R7	2000
R8	SPARE
10546	

SDB-10 SECOND FLOOR



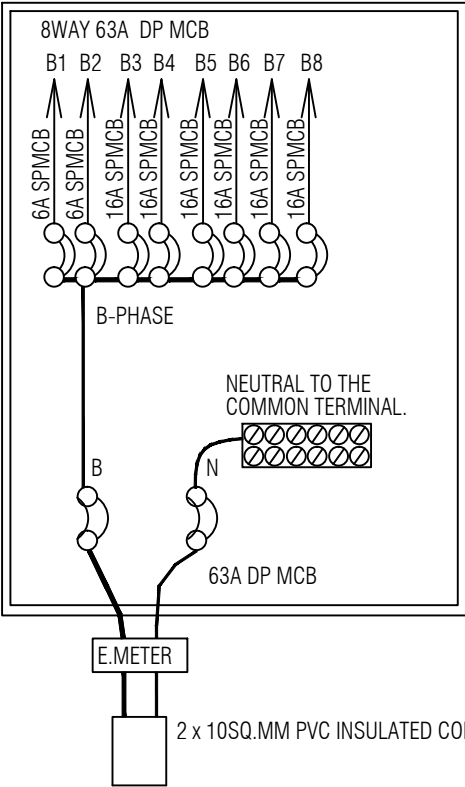
BALANCE LOADS IN WATTS
Y-PHASE AT SDB-2 2/F

Y1	302
Y2	144
Y3	2000
Y4	2000
Y5	2000
Y6	2100
Y7	2000
Y8	SPARE
10546	

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for 2F

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for 2F

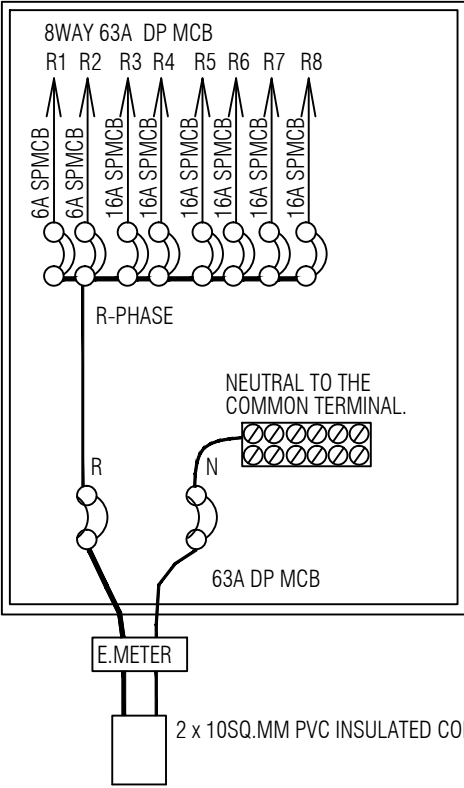
SDB-11 SECOND FLOOR



BALANCE LOADS IN WATTS
B-PHASE AT SDB-3 2/F

B1	302
B2	144
B3	2000
B4	2100
B5	2000
B6	2000
B7	2000
B8	SPARE
10546	

SDB-12 SECOND FLOOR



BALANCE LOADS IN WATTS
R-PHASE AT SDB-4 2/F

R1	313
R2	144
R3	2000
R4	2100
R5	2000
R6	2000
R7	2000
R8	SPARE
10557	

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for 2F

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for 2F



ROYAL GOVERNMENT OF BHUTAN
CIVIL AVIATION DEPARTMENT

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Legend

No.	Revision	Date

Client	Royal Government of Bhutan Civil Aviation Department
Aviation Planners & Engineers	Leading Edge Aviation Planning Professionals
Civil Engineering Consultant	Gyaltshen Consultancy
Project Title	

GELEPHU DOMESTIC AIRPORT
DESIGN & SUPERVISION

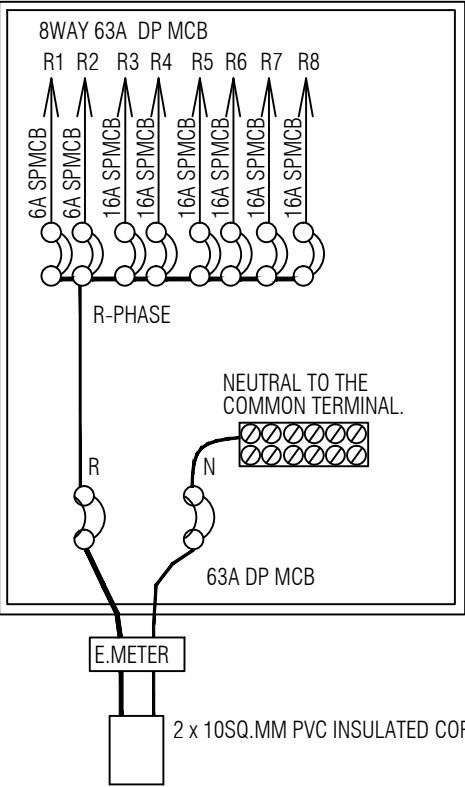
DESIGN OF SECURITY
QUARTERS.

Drawing Title

FAMILY QUARTER
SECOND FLOOR
SINGLE LINE DIAGRAM
CIRCUIT REF. OUTGOING

Scale	NTS
Date	SEPT. 1ST 2016
Drawn / Designed By	P. Thinley
Drawing Number	GEL AIRPORT FQ EL-21
LEAPP Project Code	----

SDB-5 SECOND FLOOR

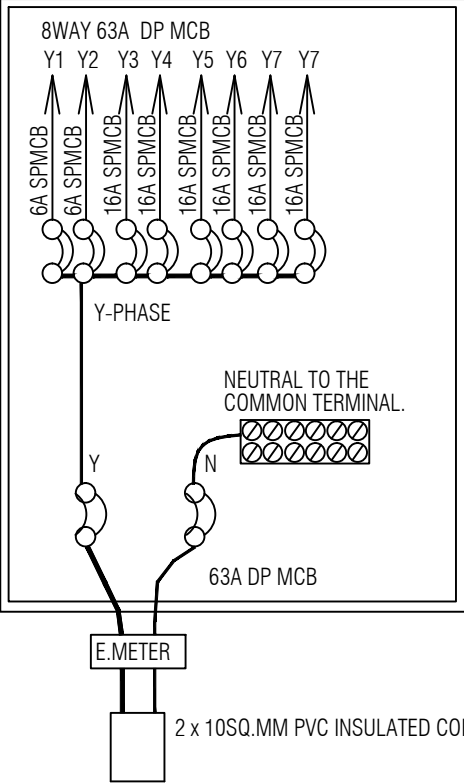


BALANCE LOADS IN WATTS
R-PHASE AT SDB-5 2/F

R1	313
R2	144
R3	2000
R4	2000
R5	2100
R6	2000
R7	2000
R8	SPARE
10557	

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for 2F

SDB-6 SECOND FLOOR

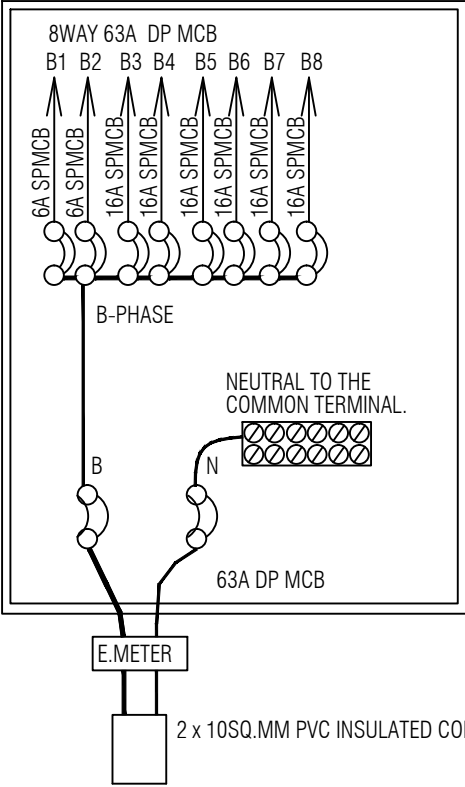


BALANCE LOADS IN WATTS
Y-PHASE AT SDB-6 2/F

Y1	291
Y2	144
Y3	2000
Y4	2000
Y5	2000
Y6	2100
Y7	2000
Y8	SPARE
10535	

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for 2F

SDB-7 SECOND FLOOR

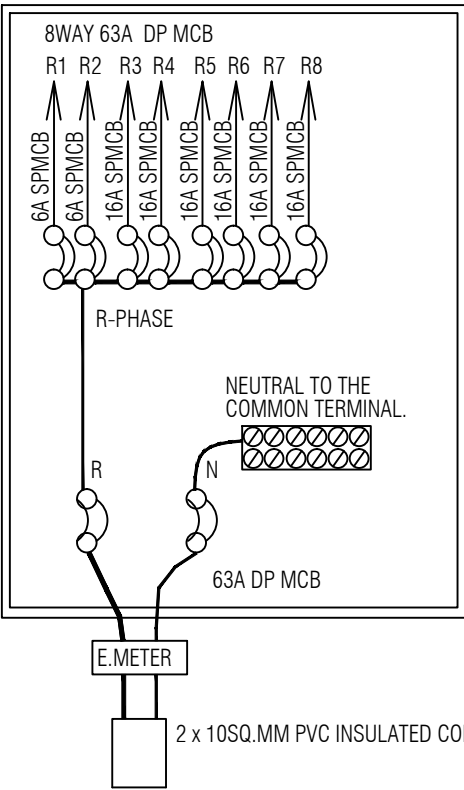


BALANCE LOADS IN WATTS
B-PHASE AT SDB-7 2/F

B1	302
B2	144
B3	2000
B4	2100
B5	2000
B6	2000
B7	2000
B8	SPARE
10546	

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for 2F

SDB-8 SECOND FLOOR



BALANCE LOADS IN WATTS
R-PHASE AT SDB-8 2/F

R1	302
R2	144
R3	2000
R4	2100
R5	2000
R6	2000
R7	2000
R8	SPARE
10546	

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for 2F



ROYAL GOVERNMENT OF BHUTAN
CIVIL AVIATION DEPARTMENT

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Legend

No.	Revision	Date

Client	Royal Government of Bhutan Civil Aviation Department
Aviation Planners & Engineers	Leading Edge Aviation Planning Professionals
Civil Engineering Consultant	Gyaltshen Consultancy
Project Title	GELEPHU DOMESTIC AIRPORT DESIGN & SUPERVISION

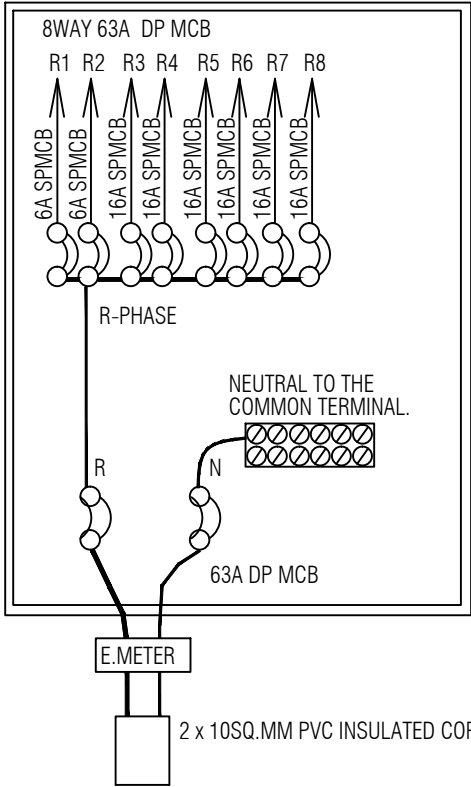
DESIGN OF SECURITY
QUARTERS.

Drawing Title

FAMILY QUARTER
SECOND FLOOR
SINGLE LINE DIAGRAM
CIRCUIT REF. OUTGOING

Scale	NTS
Date	SEPT. 1ST 2016
Drawn / Designed By	P. Thinley
Drawing Number	GEL AIRPORT FQ EL-22
LEAPP Project Code	----

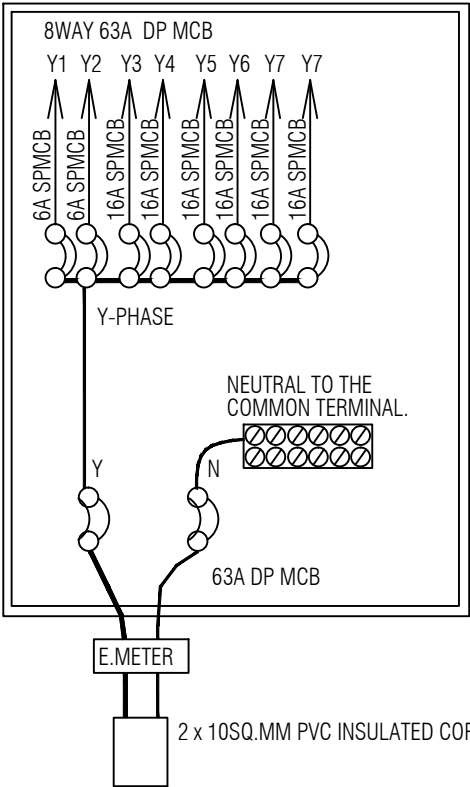
SDB-9 THIRD FLOOR



BALANCE LOADS IN WATTS
R-PHASE AT SDB-1 THIRD FLOOR

R1	324
R2	144
R3	2000
R4	2000
R5	2100
R6	2000
R7	2000
R8	SPARE
10568	

SDB-10 THIRD FLOOR



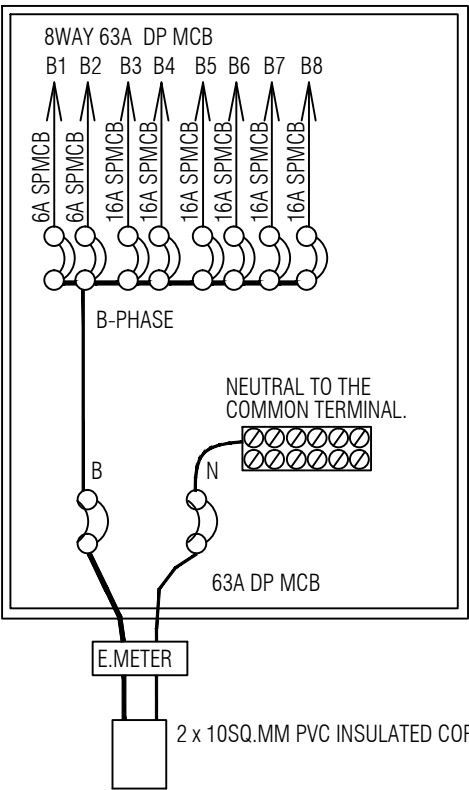
BALANCE LOADS IN WATTS
Y-PHASE AT SDB-2 THIRD FLOOR

Y1	291
Y2	144
Y3	2000
Y4	2000
Y5	2100
Y6	2000
Y7	2000
Y8	SPARE
10535	

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for 2F

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for 2F

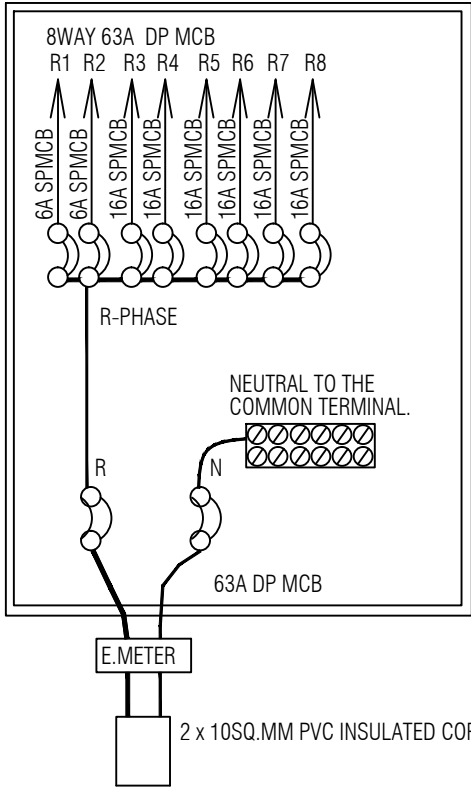
SDB-11 THIRD FLOOR



BALANCE LOADS IN WATTS
B-PHASE AT SDB-3 THIRD FLOOR

B1	313
B2	144
B3	2000
B4	2100
B5	2000
B6	2000
B7	2000
B8	SPARE
10557	

SDB-12 THIRD FLOOR



BALANCE LOADS IN WATTS
R-PHASE AT SDB-4 THIRD FLOOR

R1	302
R2	144
R3	2000
R4	2100
R5	2000
R6	2000
R7	2000
R8	SPARE
10546	

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for 2F

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for 2F



ROYAL GOVERNMENT OF BHUTAN
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Aviation Planners & Engineers	Leading Edge Aviation Planning Professionals
Civil Engineering Consultant	Gyaltshen Consultancy
Project Title	GELEPHU DOMESTIC AIRPORT DESIGN & SUPERVISION

DESIGN OF SECURITY
QUARTERS.

FAMILY QUARTER
THIRD FLOOR
SINGLE LINE DIAGRAM
CIRCUIT REF. OUTGOING

Scale	NTS
Date	SEPT. 1ST 2016
Drawn / Designed By	P. Thinley
Drawing Number	GEL AIRPORT FQ EL-23
LEAPP Project Code	----

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[illegible]

Client
Royal Government of Bhutan Civil Aviation Department
Aviation Planners & Engineers
Leading Edge Aviation Planning Professionals
Civil Engineering Consultant
Gyaltshen Consultancy
Project Title

DESIGN OF SECURITY QUARTERS.

Scale	NTS	
Date	SEPT. 1ST 2016	
Drawn / Designed By	P. Thinley	
Drawing Number	GEL AIRPORT FQ EL-24	Rev R0
LEAPP Project Code		

Earthing Stn-1

Earthing Stn-2

250A 36kA 4-POLE MOULDED CASE CIRCUIT BREAKER (BSB Approved)

3-1/2Core x 95Sq.MM PVC Armoured Cable AYFY From BPCL SOURCE.

1. All the Earthing Stations are Interconnected in Parallel.

2. The distance of Earthing point from the building is 12feet approx.

NOTE:

1. All the Earthing Stations are Interconnected in Parallel.
2. The distance of Earthing point from the building is 12feet approx.

250A 36kA 4-POLE MOULDED CASE CIRCUIT BREAKER
(BSB Approved)

3-1/2Core x 95Sq.MM PVC Armoured Cable AYFY
From BPCL SOURCE.



NOTE:
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Civil Engineering Consultant
Gyaltshen Consultancy
Project Title

GELEPHU DOMESTIC AIRPORT
DESIGN & SUPERVISION

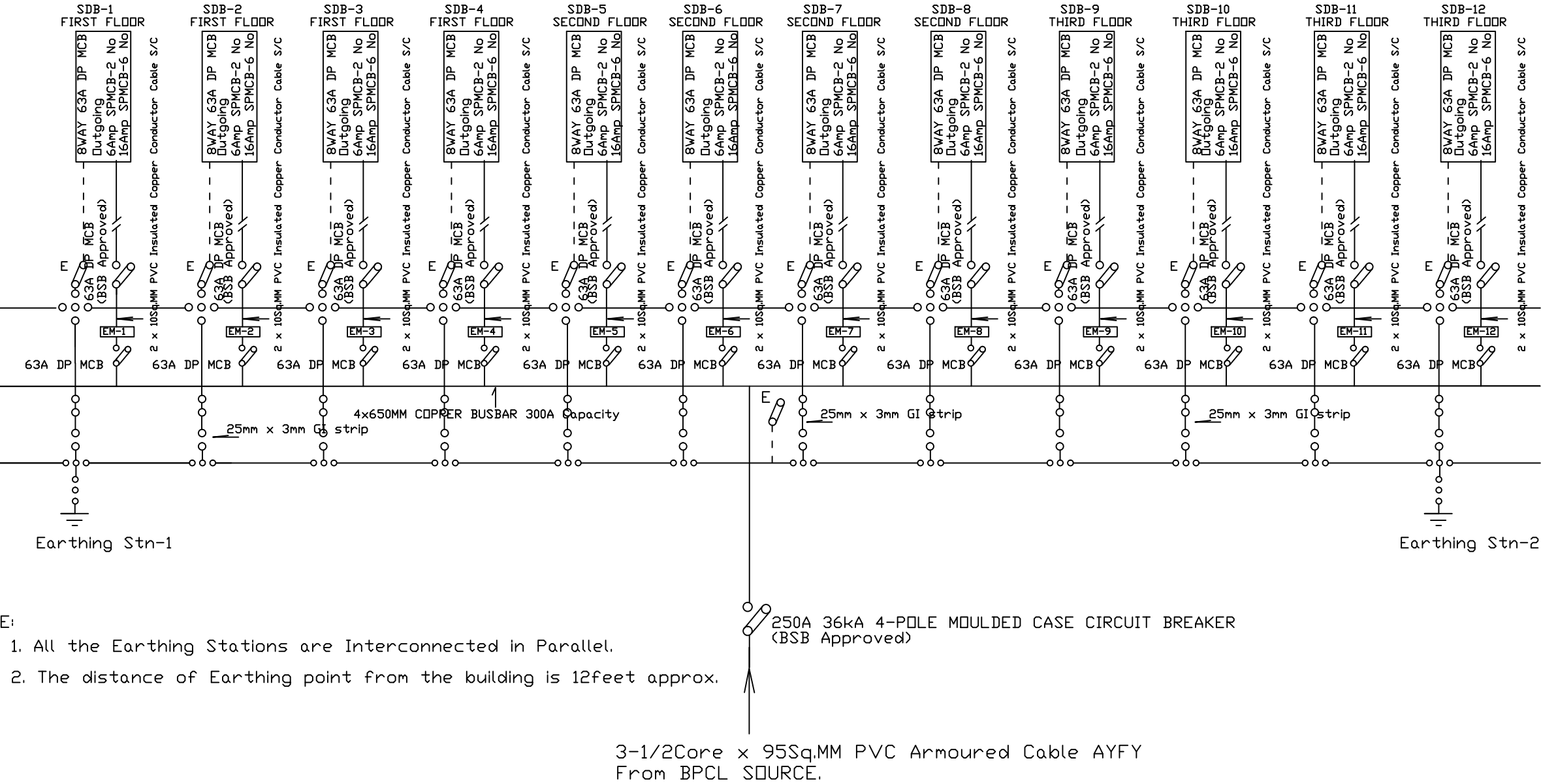
DESIGN OF SECURITY
QUARTERS.

Drawing Title

FAMILY QUARTER
MAIN CONTROL PANEL BOARD

Scale	NTS
Date	SEPT. 1ST 2016
Drawn / Designed By	P. Thinley
Drawing Number	GEL AIRPORT FQ EL-25
Rev	R0
LEAPP Project Code	----

MAIN CONTROL PANEL BOARD - II



- NOTE:
1. All the Earthing Stations are Interconnected in Parallel.
 2. The distance of Earthing point from the building is 12feet approx.

NOTE:
-ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE
-ALL RELATIVE LEVELS ARE IN METERS UNLESS SPECIFIED OTHERWISE
-ALL DIMENSIONS MEASURE UNFINISHED SURFACES UNLESS SPECIFIED OTHERWISE
-ALL DIMENSIONS ARE TO BE READ AND NOT SCALED OFF
-ANY DISCREPANCY IN DRAWING IS TO BE BROUGHT TO THE IMMEDIATE NOTICE OF THE CONSULTANTS/SUPERVISION TEAM
-MINOR ADJUSTMENTS NEED TO BE CARRIED OUT ON SITE TO MATCH WITH EXISTING BUILDING

Legend

No.	Revision	Date

Client
Royal Government of Bhutan Civil Aviation Department
Aviation Planners & Engineers
Leading Edge Aviation Planning Professionals
Civil Engineering Consultant
Gyaltshen Consultancy
Project Title

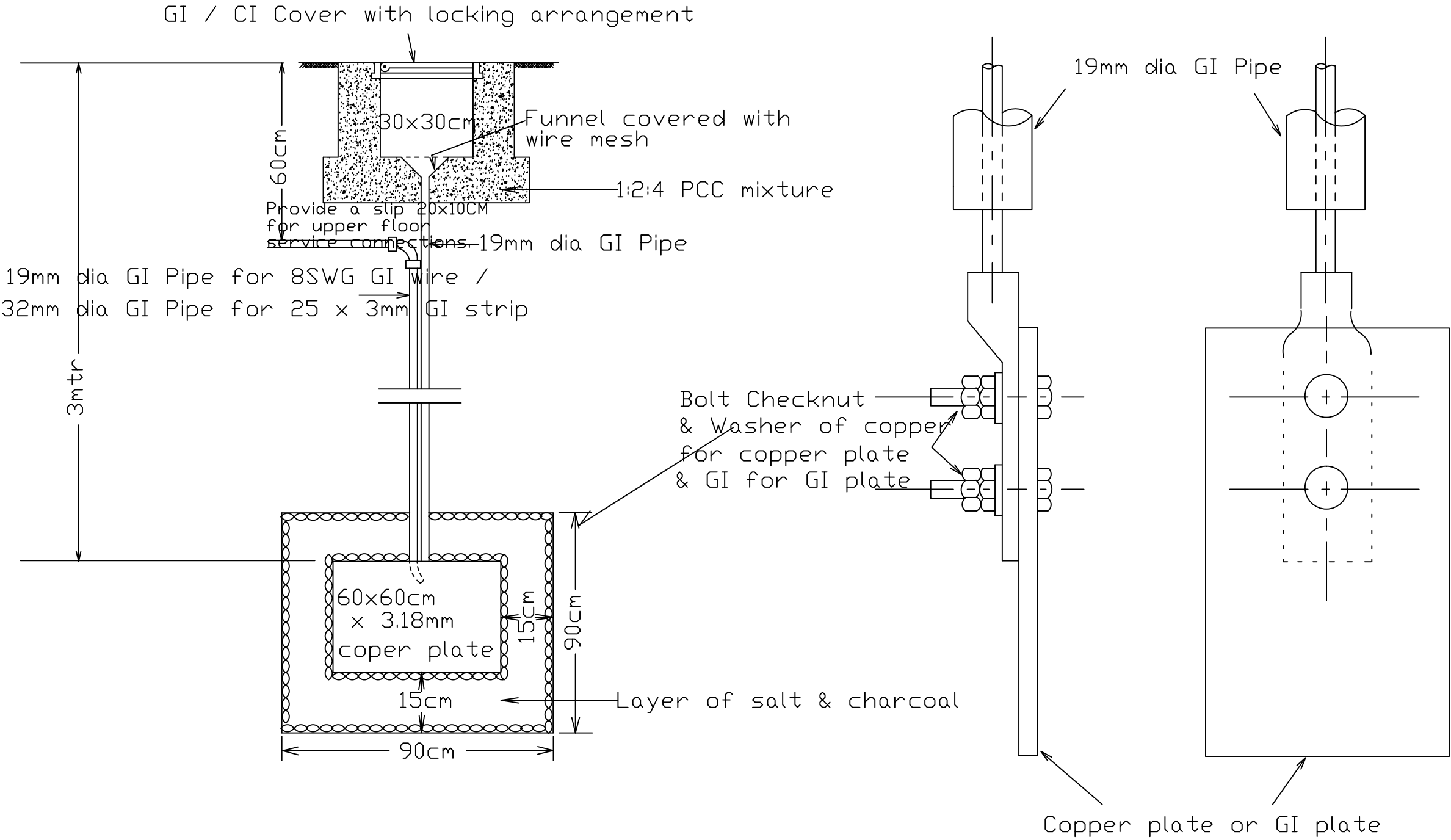
GELEPHU DOMESTIC AIRPORT
DESIGN & SUPERVISION

DESIGN OF SECURITY
QUARTERS.

Drawing Title

FAMILY QUARTER
EARTHING PLATE DETAILS

Scale	NTS		
Date	SEPT. 1ST 2016		
Drawn / Designed By	P. Thinley		
Drawing Number	GEL AIRPORT FQ EL-26		Rev
			R0
LEAPP Project Code			



EARTHING PLATE DIAGRAM



NOTE:
-ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE
-ALL RELATIVE LEVELS ARE IN METERS UNLESS SPECIFIED OTHERWISE
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Legend

No.	Revision	Date

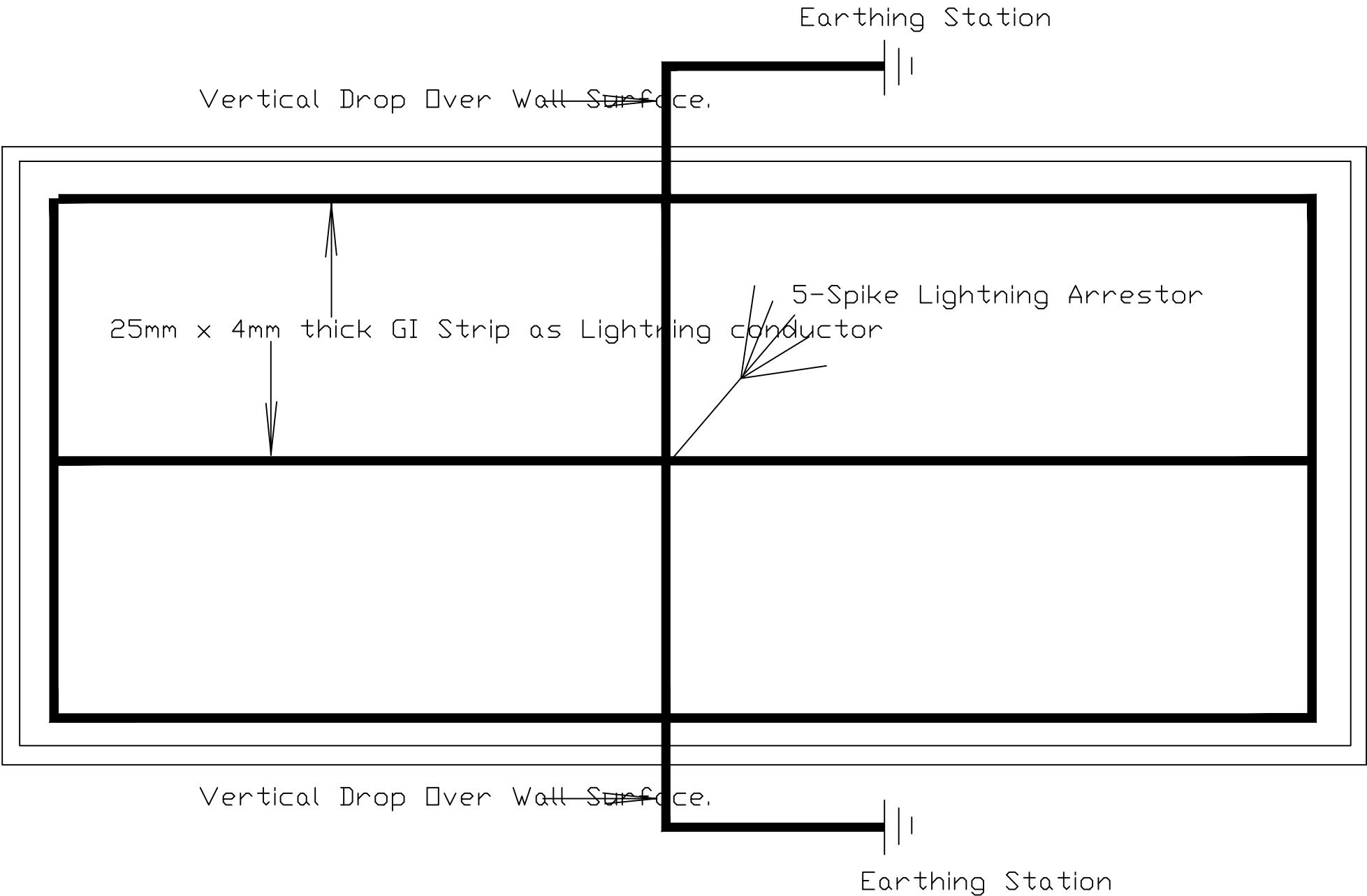
Client
Royal Government of Bhutan Civil Aviation Department
Aviation Planners & Engineers
Leading Edge Aviation Planning Professionals
Civil Engineering Consultant
Gyaltshen Consultancy
Project Title

GELEPHU DOMESTIC AIRPORT
DESIGN & SUPERVISION

DESIGN OF SECURITY
QUARTERS.

Drawing Title
FAMILY QUARTER
LIGHTNING ARRESTOR DETAIL

Scale	NTS
Date	SEPT. 1ST 2016
Drawn / Designed By	P. Thinley
Drawing Number	Rev
GEL AIRPORT FQ EL-27	R0
LEAPP Project Code	----



NOTE:

1. THE GI STRIP OF 25MM x 4MM MUST BE LAID ABOVE THE ROOF AS SHOWN HERE.
2. WHEREVER THERE ARE JOINTS IT MUST BE EITHER WELDED OR MADE TIGHT WITH NUT & BOLT.
3. THE VERTICAL DROP MUST BE MADE OVER THE WALL SURFACE TO BE CONNECTED TO EARTHING STATION.
4. AT THE CORNICE CROSSING PROVIDE VERTICAL SLEEVE OF 40MM x 10MM AT THE TIME OF MAKING CORNICE.
5. MINIMUM TWO EARTHING MUST BE MADE FOR LIGHTNING ARRESTOR.
6. EARTHING MUST BE INTERCONNECTED TO EACH OTHER WITHIN THE LIGHTNING ARRESTOR EARTHING ONLY.
7. IT MUST BE INDEPENDENT AND NOT TO BE CONNECTED WITH ELECTRICAL EARTHING.