

PROJECT: PROPOSED DESIGN OF BACHELOR'S QUARTER AT GELEPHU AIRPORT.

CLIENT: DEPARTMENT OF AIR TRANSPORT.

BUILDING: BACHELOR'S QUARTER.

# ELECTRICAL DRAWINGS

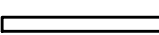





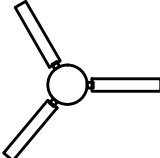








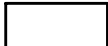
SUBMITTED BY:

**Gyaltshen consultancy**



ROYAL GOVERNMENT OF BHUTAN  
CIVIL AVIATION DEPARTMENT

ELECTRICAL LEGEND

-  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
-  MUSICAL CALL BELL 1x40W
-  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

NOTE:

- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE
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- MINOR ADJUSTMENTS NEED TO BE CARRIED OUT ON SITE TO MATCH WITH 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  
BACHELOR'S QUARTER

ELECTRICAL LEGEND

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



ROYAL GOVERNMENT OF BHUTAN  
CIVIL AVIATION DEPARTMENT

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BUILDING

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Royal Government of Bhutan Civil Aviation Dep  
Aviation Planners & Engineers  
Leading Edge Aviation Planning Professionals  
Civil Engineering Consultant  
Gyaltshen Consultancy

Project Title

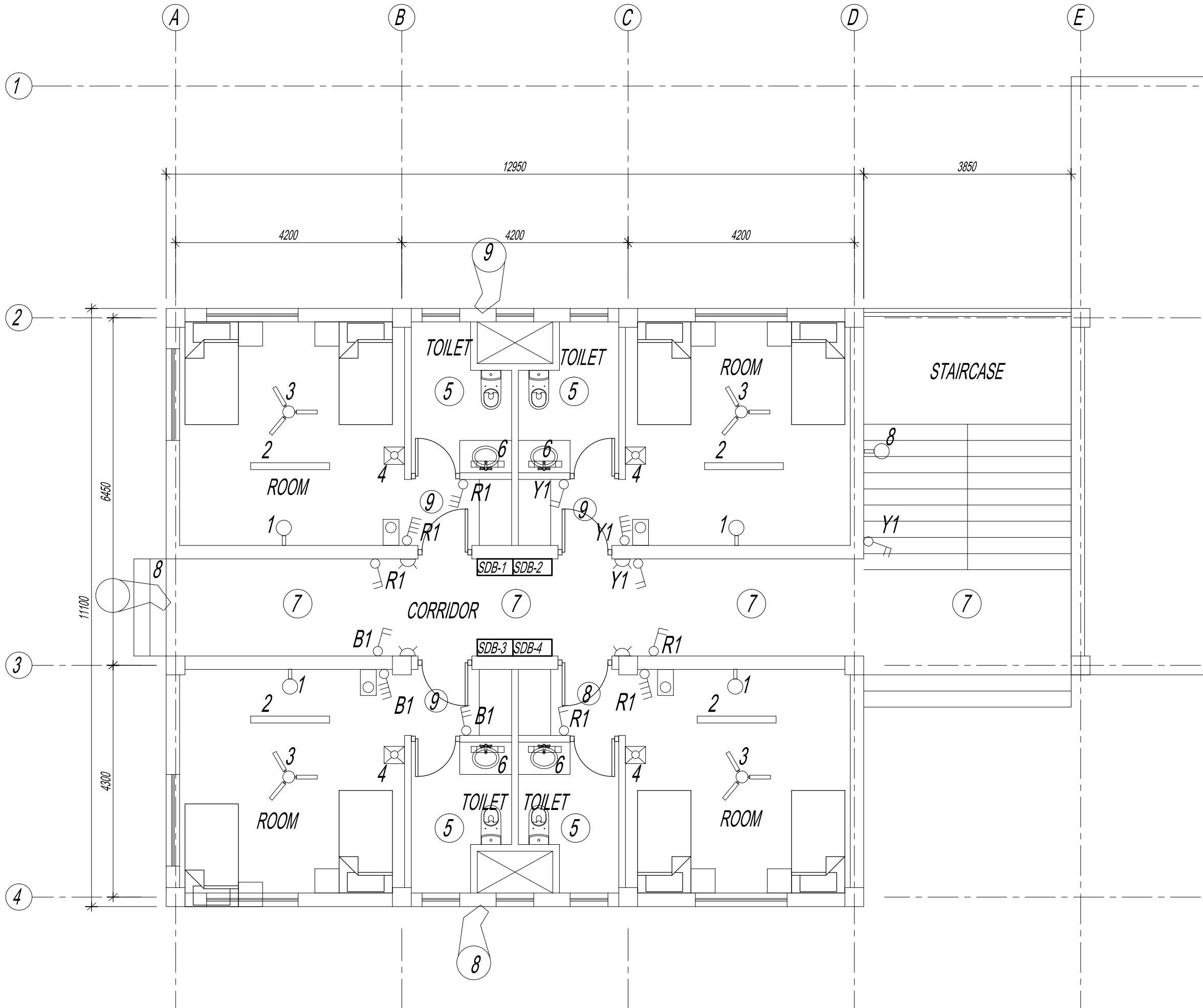
GELEPHU DOMESTIC AIRPORT  
DESIGN & SUPERVISION

DESIGN OF SECURITY  
QUARTERS.

Drawing Title

BACHELOR'S QUARTER  
GROUND FLOOR PLAN  
LIGHTING LAYOUT

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

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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.

Drawing Title

BACHELOR'S QUARTER  
GROUND FLOOR PLAN  
LIGHT PIPING LAYOUT

Scale NTS

Date SEPT 1ST 2016

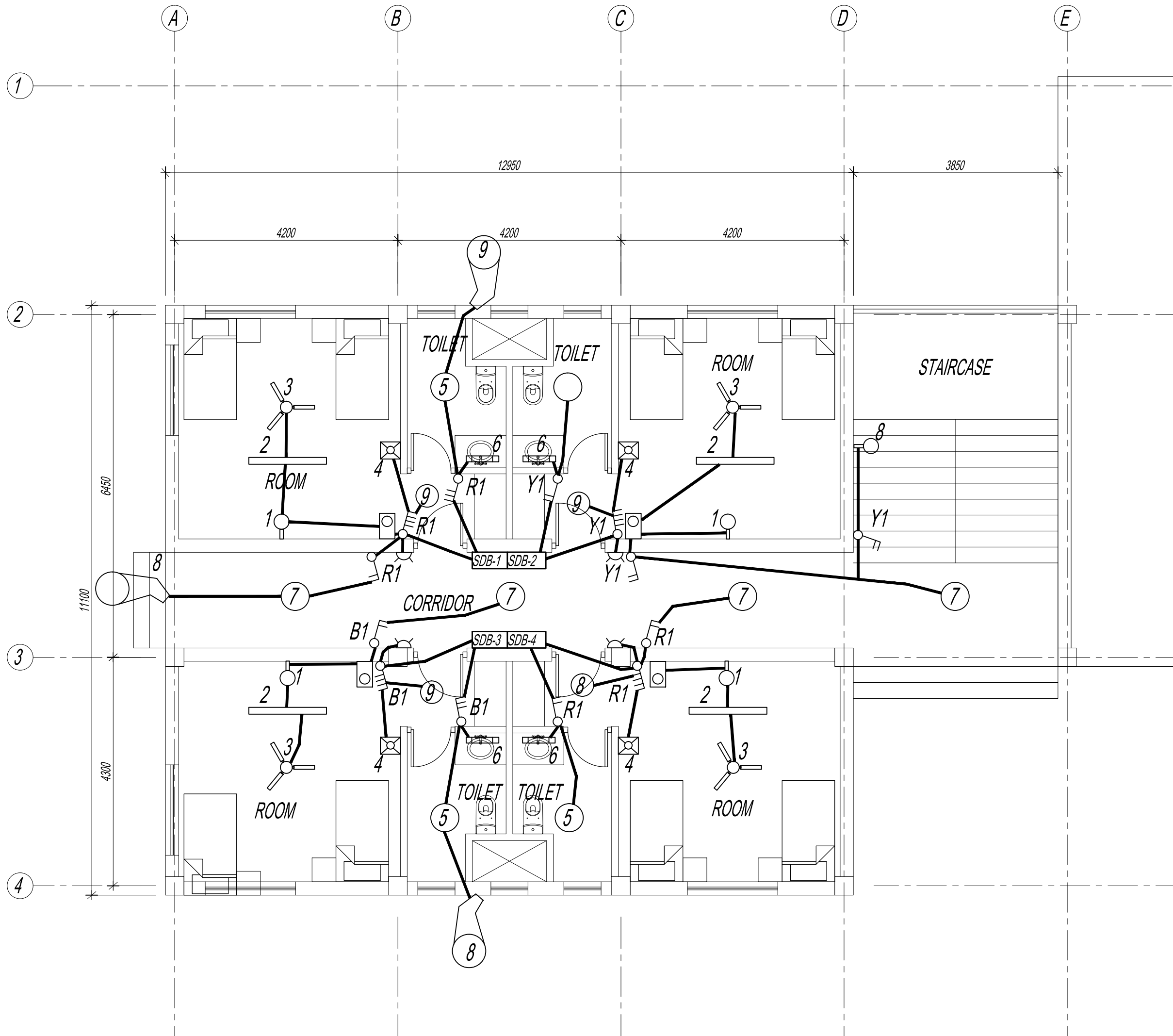
Drawn / Designed By P. Thinley

Drawing Number

GEL AIRPORT BQ EL-03

LEAPP Project Code

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Legend

No.	Revision	Date

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

Project Title

GELEPHU DOMESTIC AIRP  
DESIGN & SUPERVISION

DESIGN OF SECURITY  
QUARTERS.

Drawing Title

BACHELOR'S QUARTER  
GROUND FLOOR PLAN  
POWER PIPING LAYOUT

Scale NTS

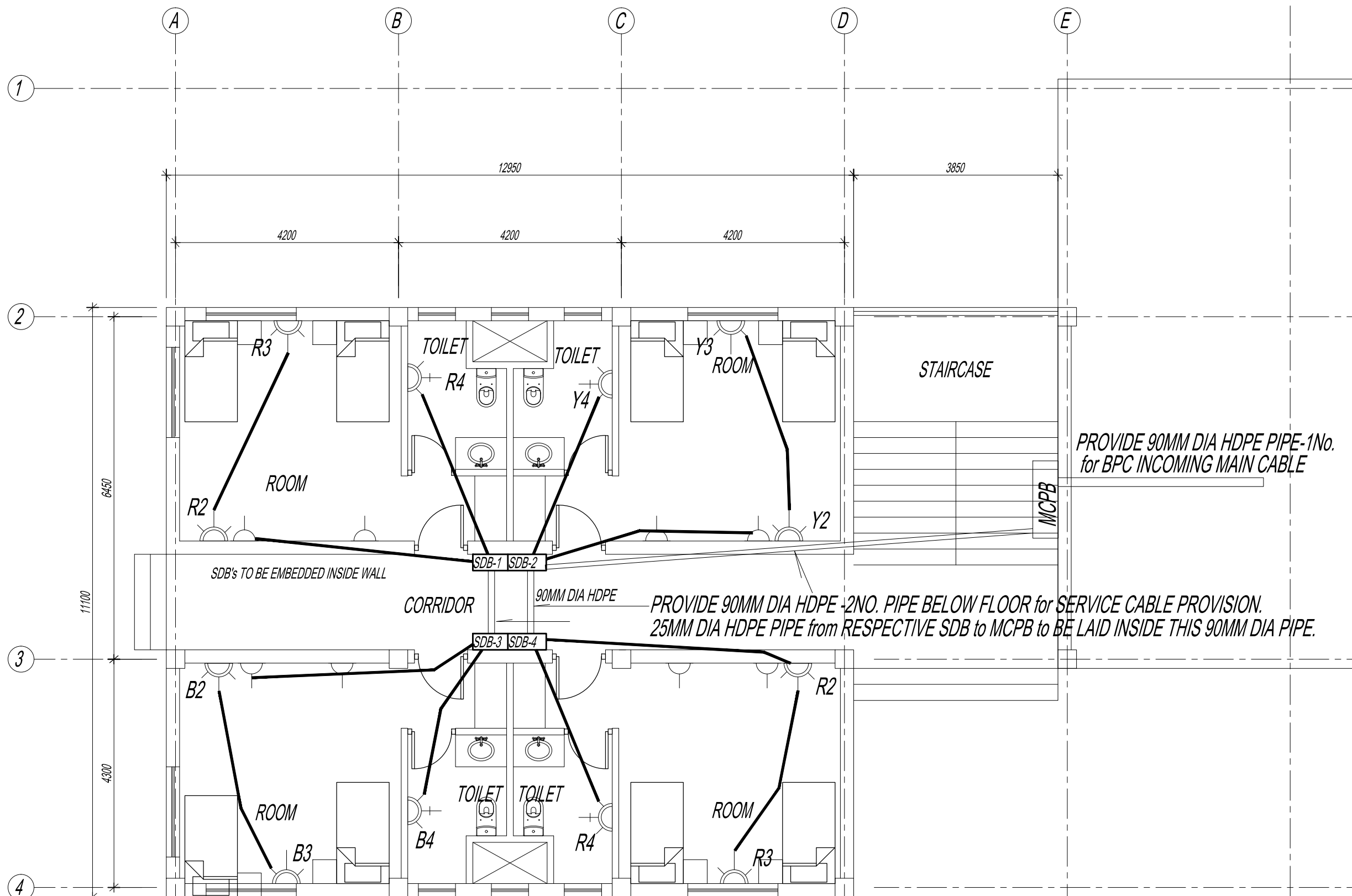
Date SEPT 1ST 2016

Drawn / Designed By P. Thinley

Drawing Number  
GEL AIRPORT BQ EL-04

LEAPP Project Code

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NOTE:

Legend
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Client
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Royal Government of Bhutan Civil Aviation Dep

Aviation Planners &amp; Engineers

Leading Edge Aviation Planning Professionals

Civil Engineering Consultant  
Gyaltshen Consultancy

Project Title
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GELEPHU DOMESTIC AIRPORT  
DESIGN & SUPERVISION

## DESIGN OF SECURITY QUARTERS.

Drawing Title
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BACHELOR'S QUARTER  
GROUND FLOOR PLAN  
TV PIPING LAYOUT

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



ROYAL GOVERNMENT OF BHUTAN  
CIVIL AVIATION DEPARTMENT

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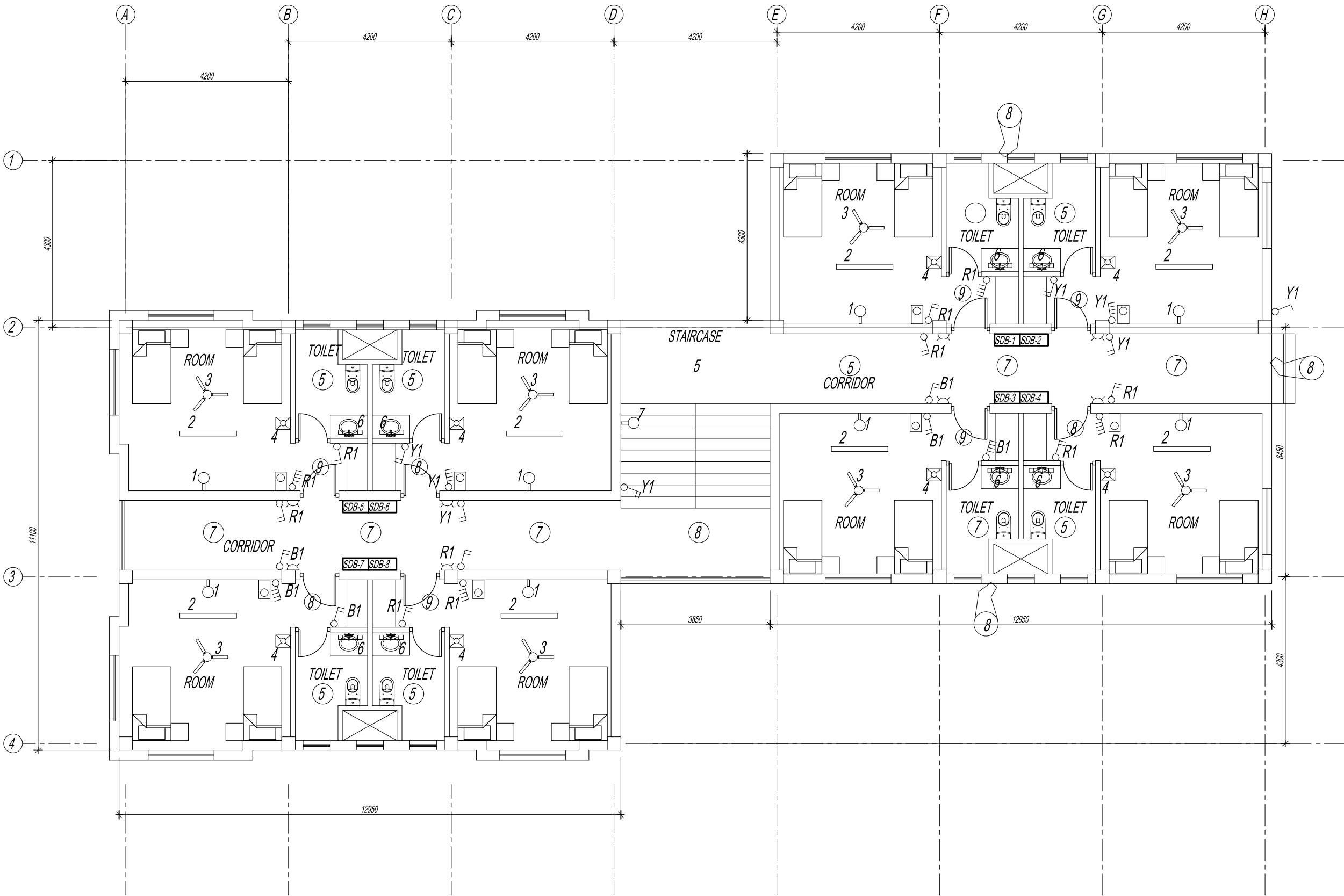
Client
Royal Government of Bhutan Civil Aviation Department
Aviation Planners & Engineers
Leading Edge Aviation Planning Professionals
Civil Engineering Consultant
Gyaltshen Consultancy
Project Title

GELEPHU DOMESTIC AIRPORT  
DESIGN & SUPERVISION

DESIGN OF SECURITY  
QUARTERS.

Drawing Title  
BACHELOR'S QUARTER  
FIRST FLOOR PLAN  
LIGHTING LAYOUT

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



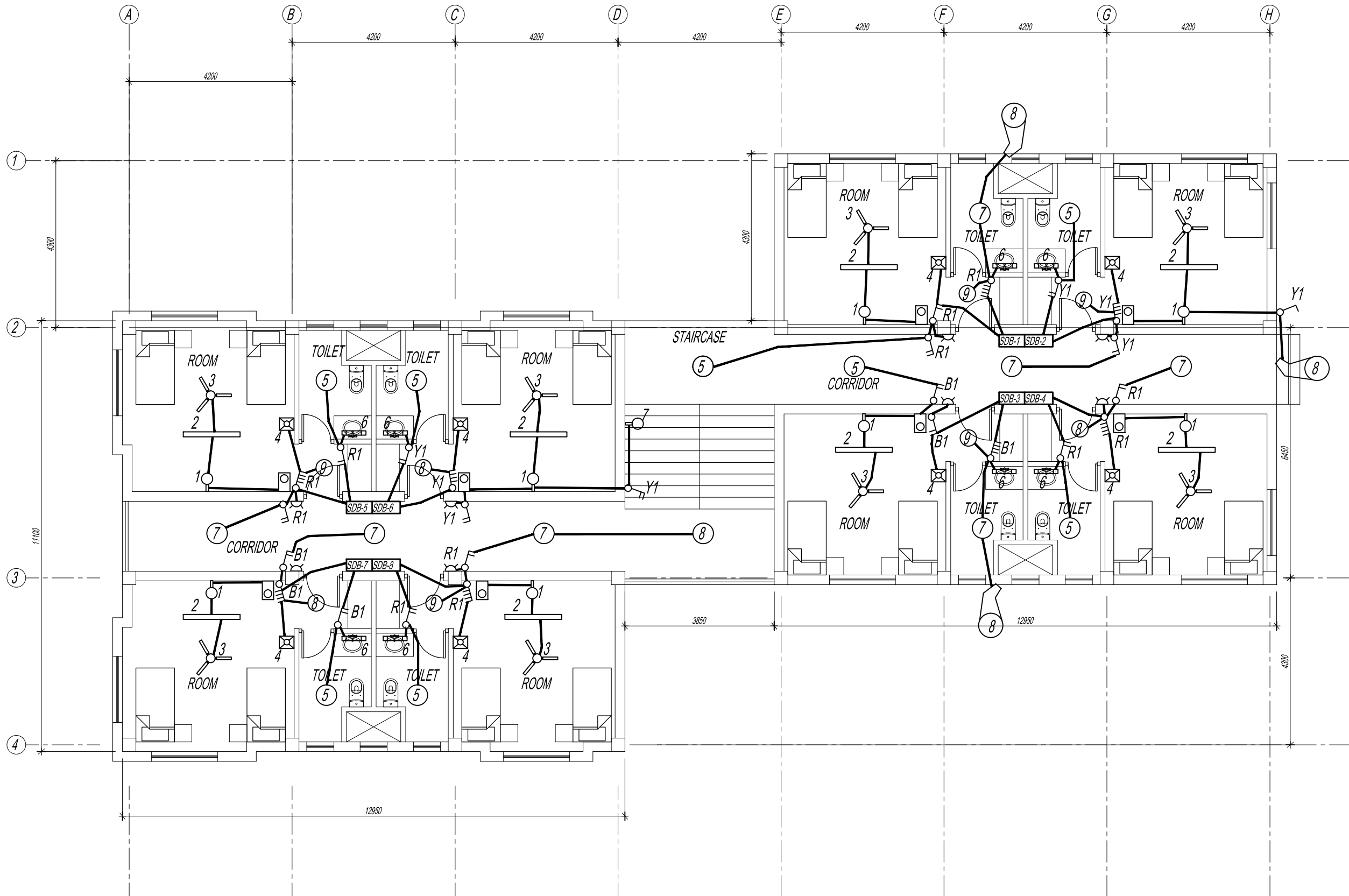


ROYAL GOVERNMENT OF BHUTAN  
CIVIL AVIATION DEPARTMENT

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No. | Revision | Date

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

GELEPHU DOMESTIC AIRP  
DESIGN & SUPERVISION

DESIGN OF SECURITY  
QUARTERS.

Drawing Title

BACHELOR'S QUARTER  
FIRST FLOOR PLAN  
LIGHT PIPING LAYOUT

Scale NTS

Date SEPT 1ST 2016

Drawn / Designed By P. Thinley

Drawing Number  
GEL AIRPORT BQ EL-07

LEAPP Project Code

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ROYAL GOVERNMENT OF BHUTAN  
CIVIL AVIATION DEPARTMENT

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Civil Engineering Consultant  
Gyaltshen Consultancy

Project Title

GELEPHU DOMESTIC AIRP  
DESIGN & SUPERVISION

DESIGN OF SECURITY  
QUARTERS.

Drawing Title

BACHELOR'S QUARTER  
FIRST FLOOR PLAN  
POWER PIPING LAYOUT

Scale NTS

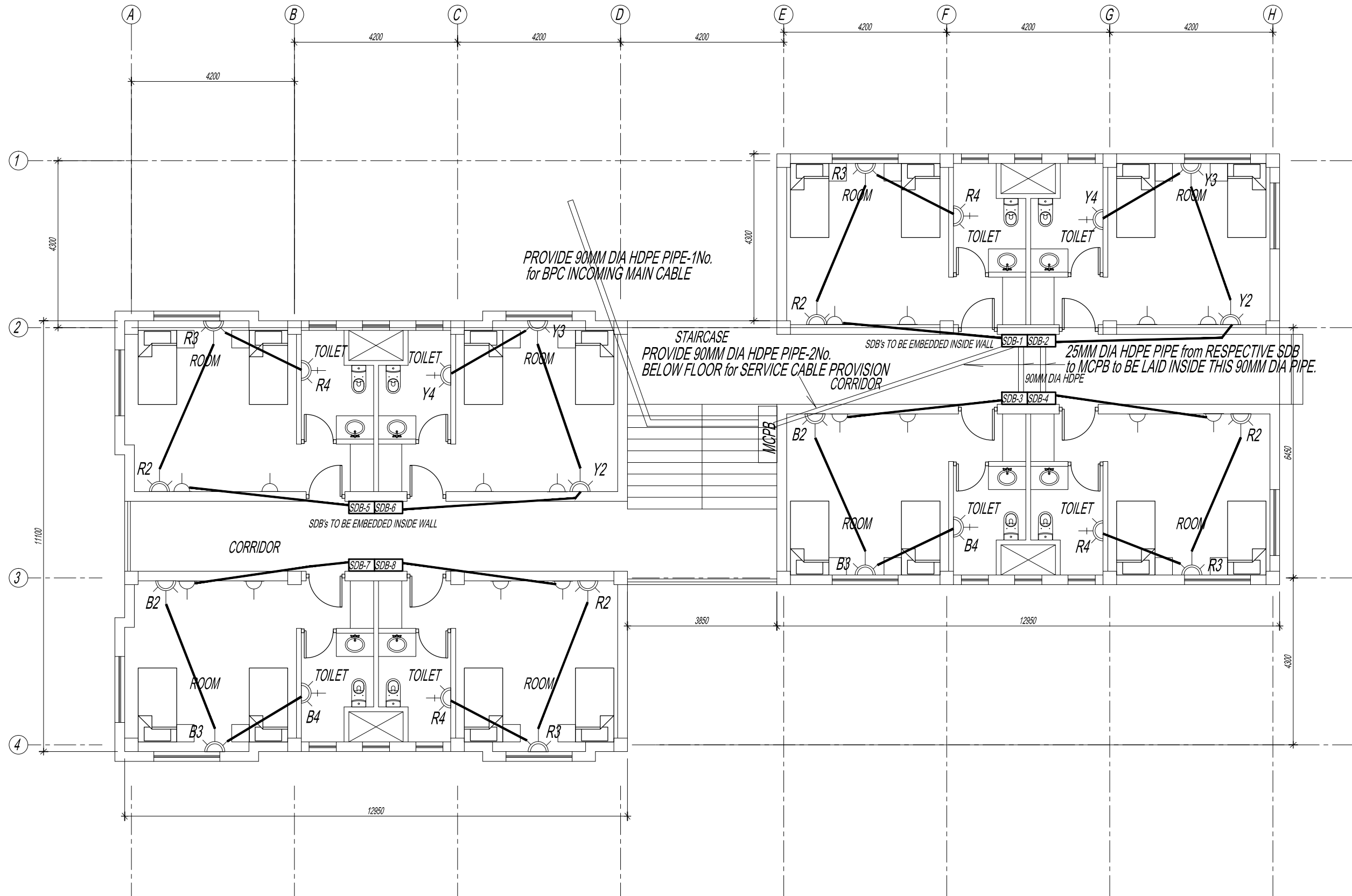
Date SEPT 1ST 2016

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Drawing Number  
GEL AIRPORT BQ EL-08

LEAPP Project Code

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ROYAL GOVERNMENT OF BHUTAN  
CIVIL AVIATION DEPARTMENT

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Project Title

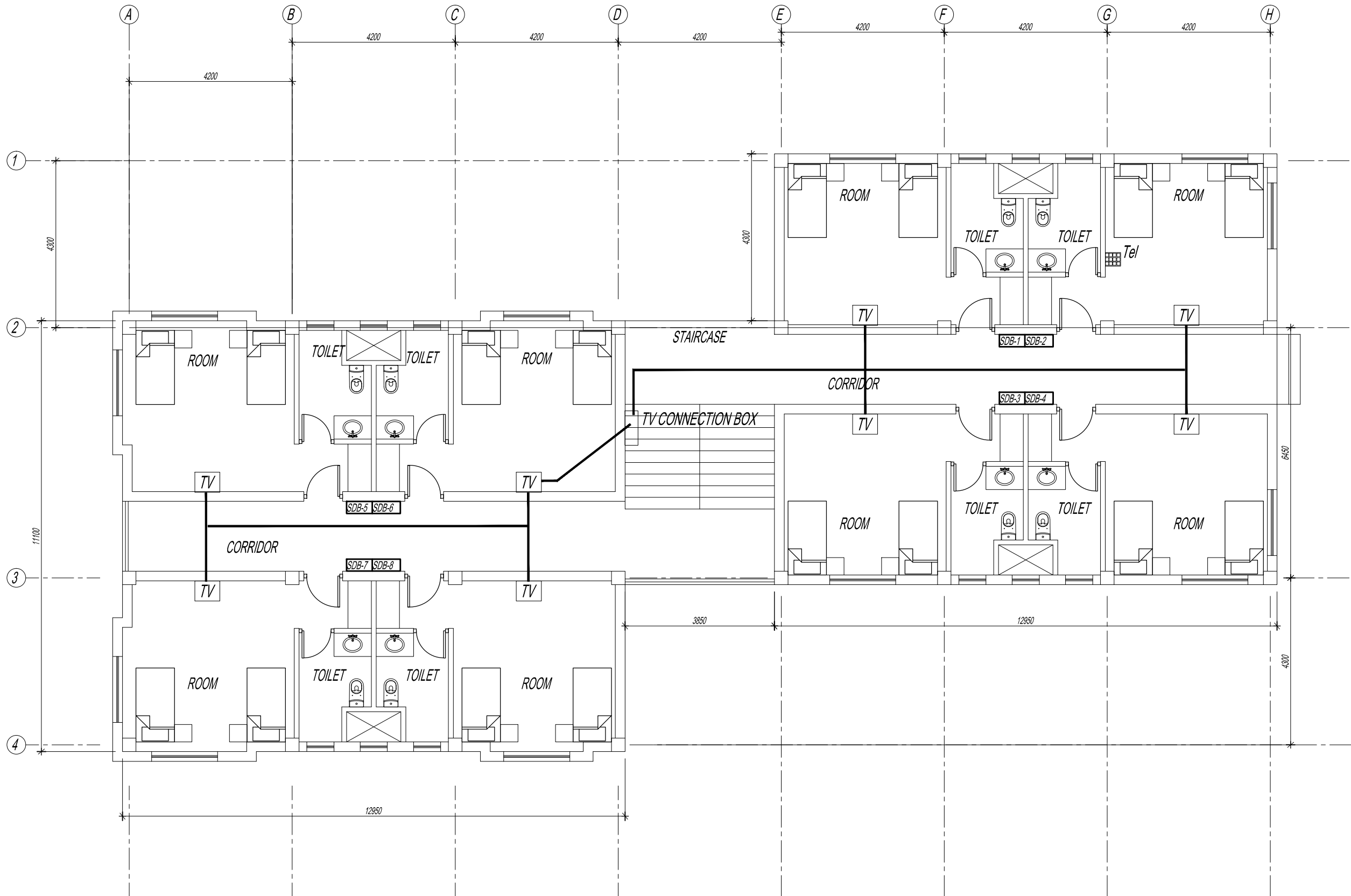
GELEPHU DOMESTIC AIRPORT  
DESIGN & SUPERVISION

DESIGN OF SECURITY  
QUARTERS.

Drawing Title

BACHELOR'S QUARTER  
FIRST FLOOR PLAN  
TV PIPING LAYOUT

Scale NTS  
Date SEPT 1ST 2016  
Drawn / Designed By P. Thinley  
Drawing Number  
GEL AIRPORT BQ EL-09  
LEAPP Project Code  
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ROYAL GOVERNMENT OF BHUTAN  
CIVIL AVIATION DEPARTMENT

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Royal Government of Bhutan Civil Aviation Dep  
Aviation Planners & Engineers  
Leading Edge Aviation Planning Professionals  
Civil Engineering Consultant  
Gyaltshen Consultancy

Project Title

GELEPHU DOMESTIC AIRP  
DESIGN & SUPERVISION

DESIGN OF SECURITY  
QUARTERS.

Drawing Title

BACHELOR'S QUARTER  
SECOND FLOOR PLAN  
LIGHT PIPING LAYOUT

Scale NTS

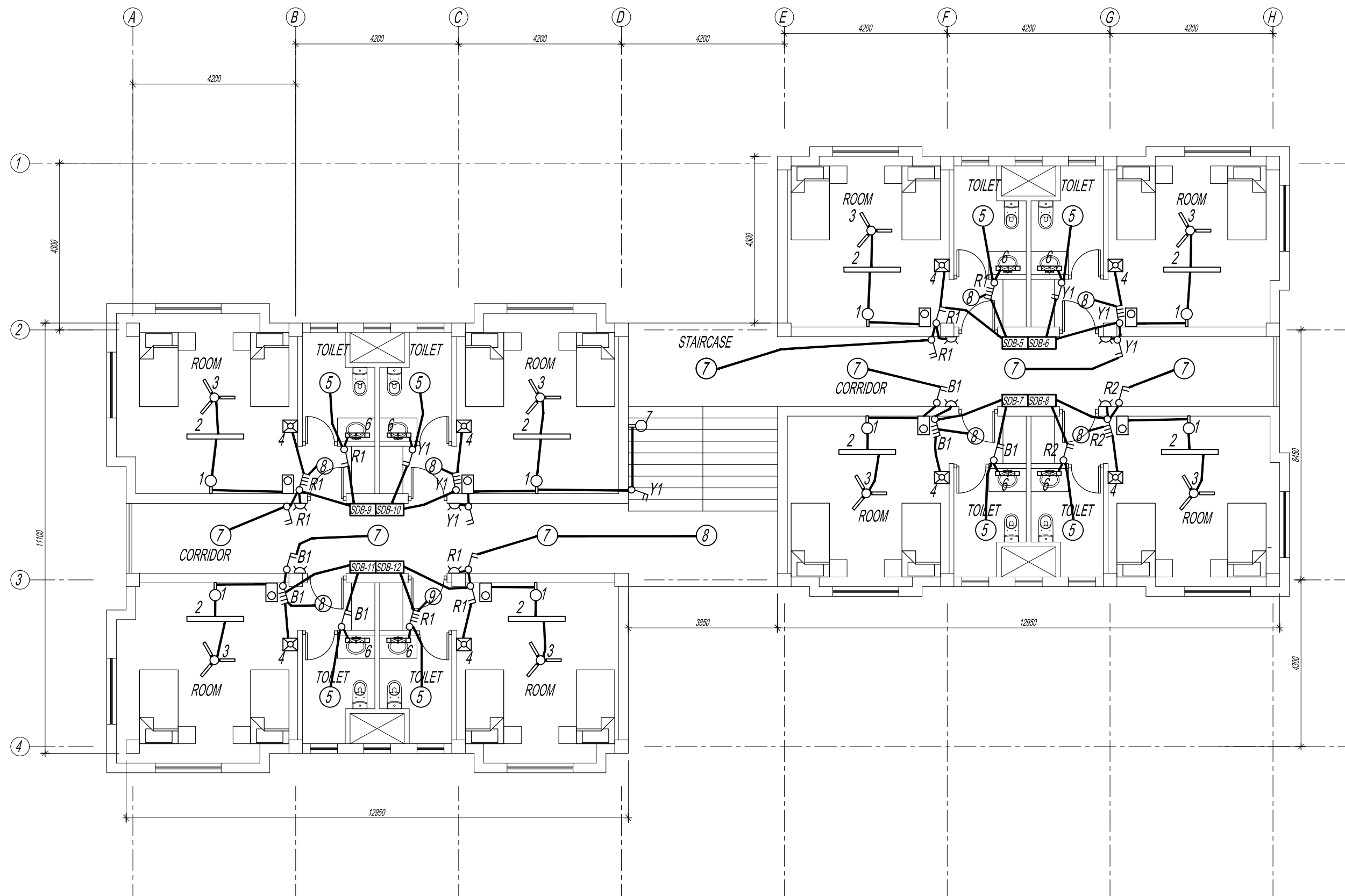
Date SEPT 1ST 2016

Drawn / Designed By P. Thinley

Drawing Number  
GEL AIRPORT BQ EL-11

LEAPP Project Code

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No.	Revision	Date

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

Project Title

GELEPHU DOMESTIC AIRP  
DESIGN & SUPERVISION

DESIGN OF SECURITY  
QUARTERS.

Drawing Title

BACHELOR'S QUARTER  
SECOND FLOOR PLAN  
POWER PIPING LAYOUT

Scale NTS

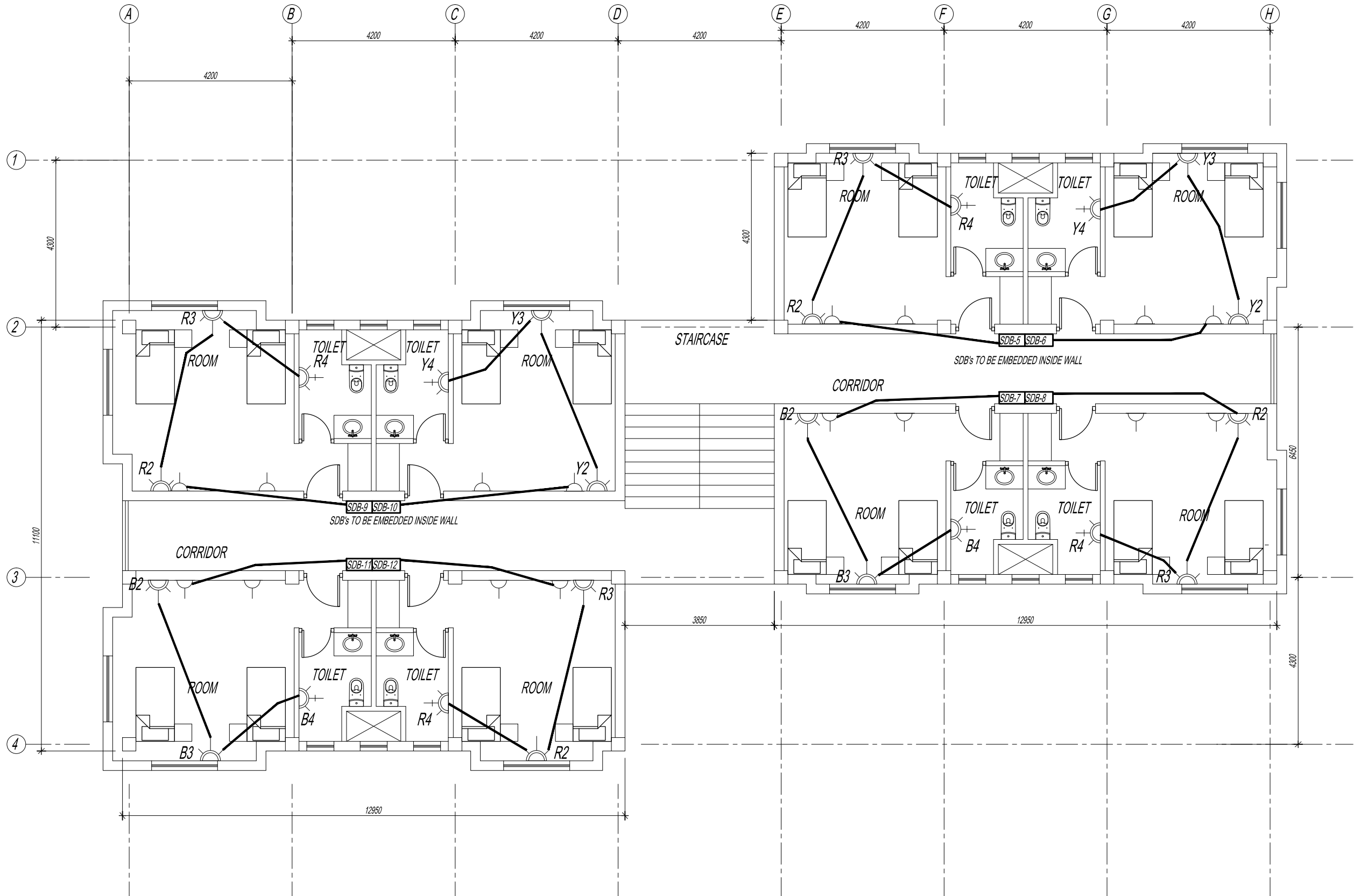
Date SEPT 1ST 2016

Drawn / Designed By P. Thinley

Drawing Number  
GEL AIRPORT BQ EL-12

LEAPP Project Code

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ROYAL GOVERNMENT OF BHUTAN  
CIVIL AVIATION DEPARTMENT

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Client  
Royal Government of Bhutan Civil Aviation Dep  
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Leading Edge Aviation Planning Professionals  
Civil Engineering Consultant  
Gyaltshen Consultancy

Project Title

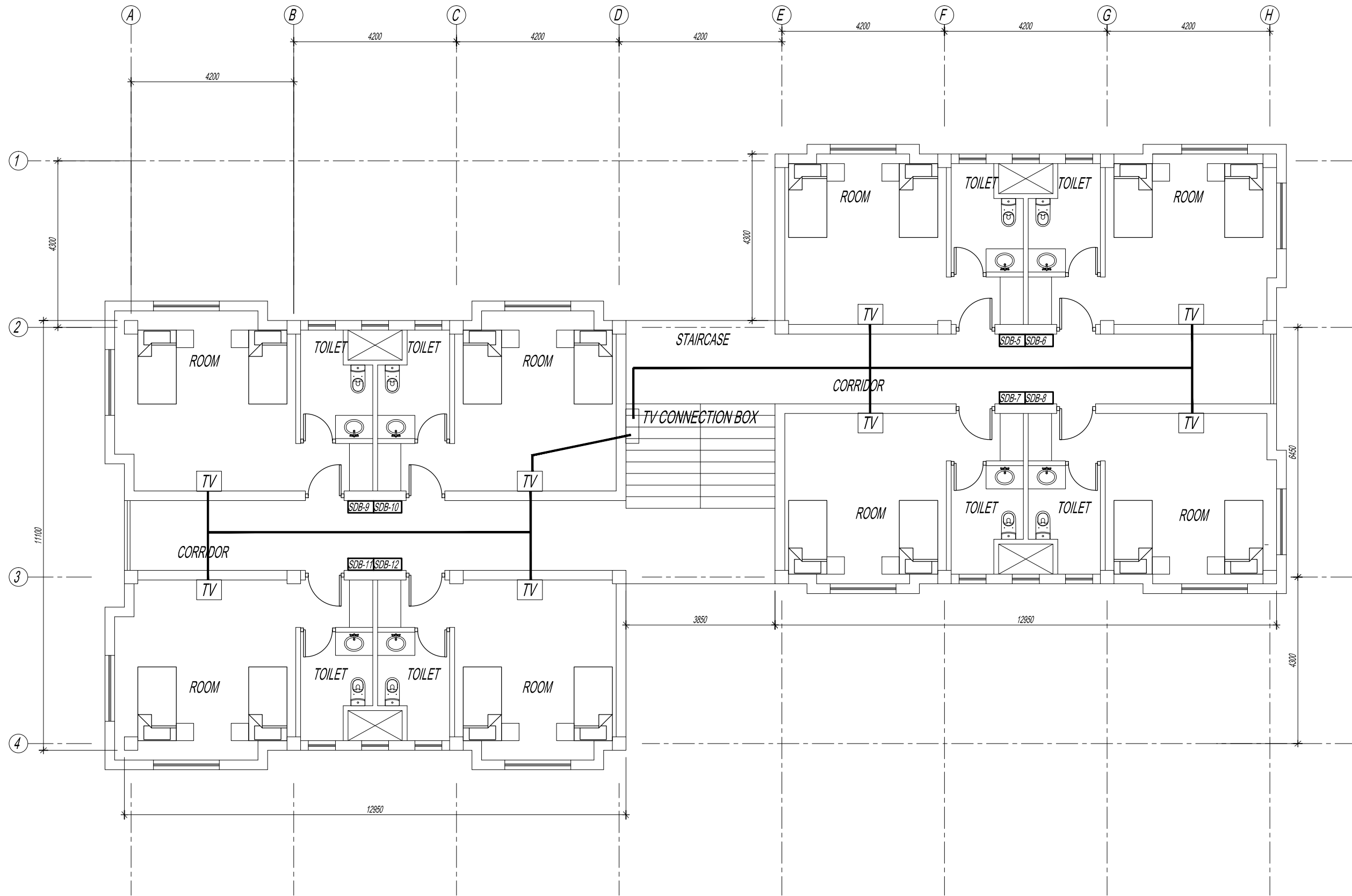
GELEPHU DOMESTIC AIRP  
DESIGN & SUPERVISION

DESIGN OF SECURITY  
QUARTERS.

Drawing Title

BACHELOR'S QUARTER  
SECOND FLOOR PLAN  
TV PIPING LAYOUT

Scale NTS  
Date SEPT 1ST 2016  
Drawn / Designed By P. Thinley  
Drawing Number  
GEL AIRPORT BQ EL-13  
LEAPP Project Code  
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ROYAL GOVERNMENT OF BHUTAN  
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Aviation Planners & Engineers  
Leading Edge Aviation Planning Professionals  
Civil Engineering Consultant  
Gyaltshen Consultancy

Project Title

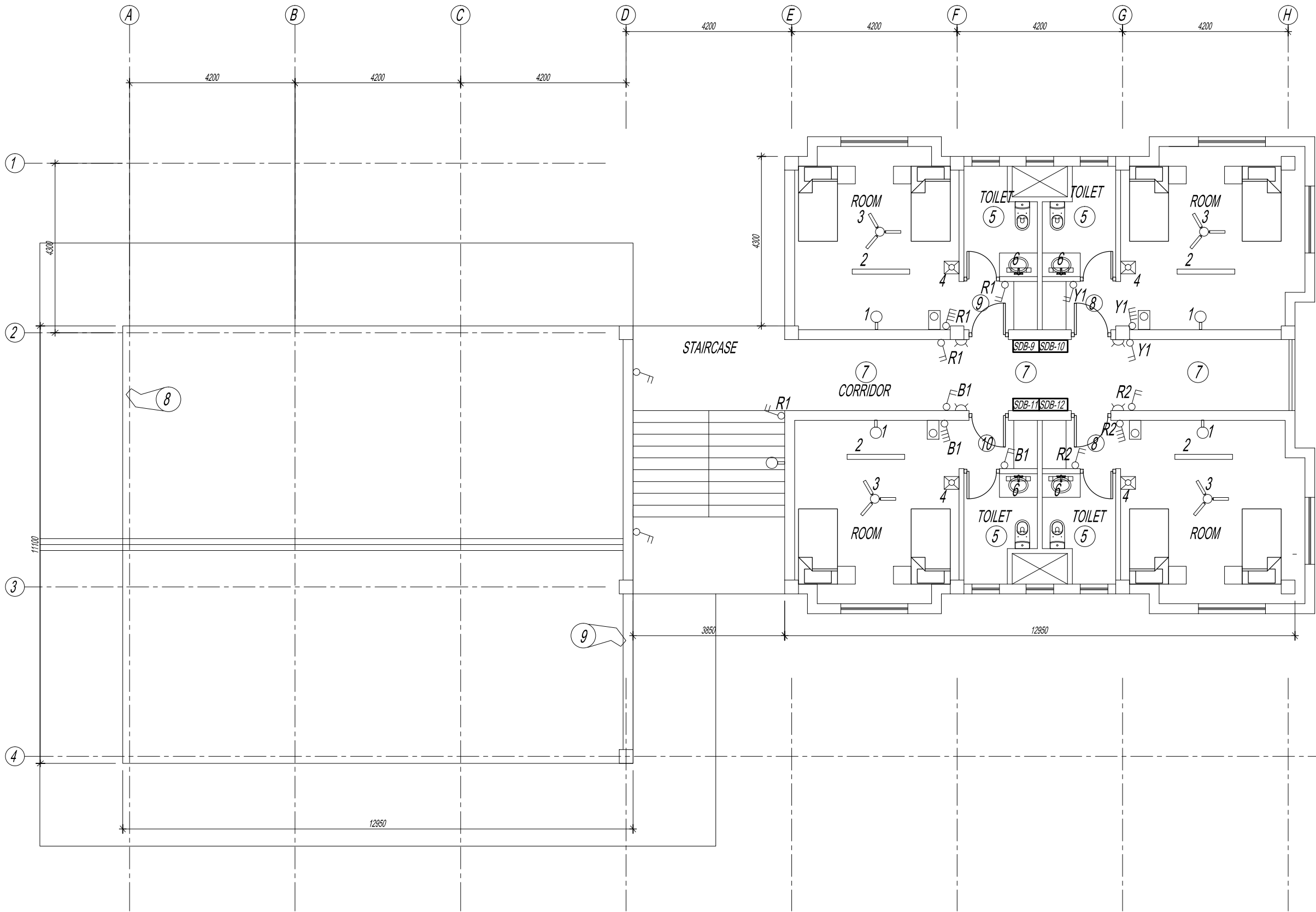
GELEPHU DOMESTIC AIRPORT  
DESIGN & SUPERVISION

DESIGN OF SECURITY  
QUARTERS.

Drawing Title

BACHELOR'S QUARTER  
THIRD FLOOR PLAN  
LIGHTING LAYOUT

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

GELEPHU DOMESTIC AIRPORT  
DESIGN & SUPERVISION

DESIGN OF SECURITY  
QUARTERS.

Drawing Title

BACHELOR'S QUARTER  
THIRD FLOOR PLAN  
LIGHT PIPING LAYOUT

Scale NTS

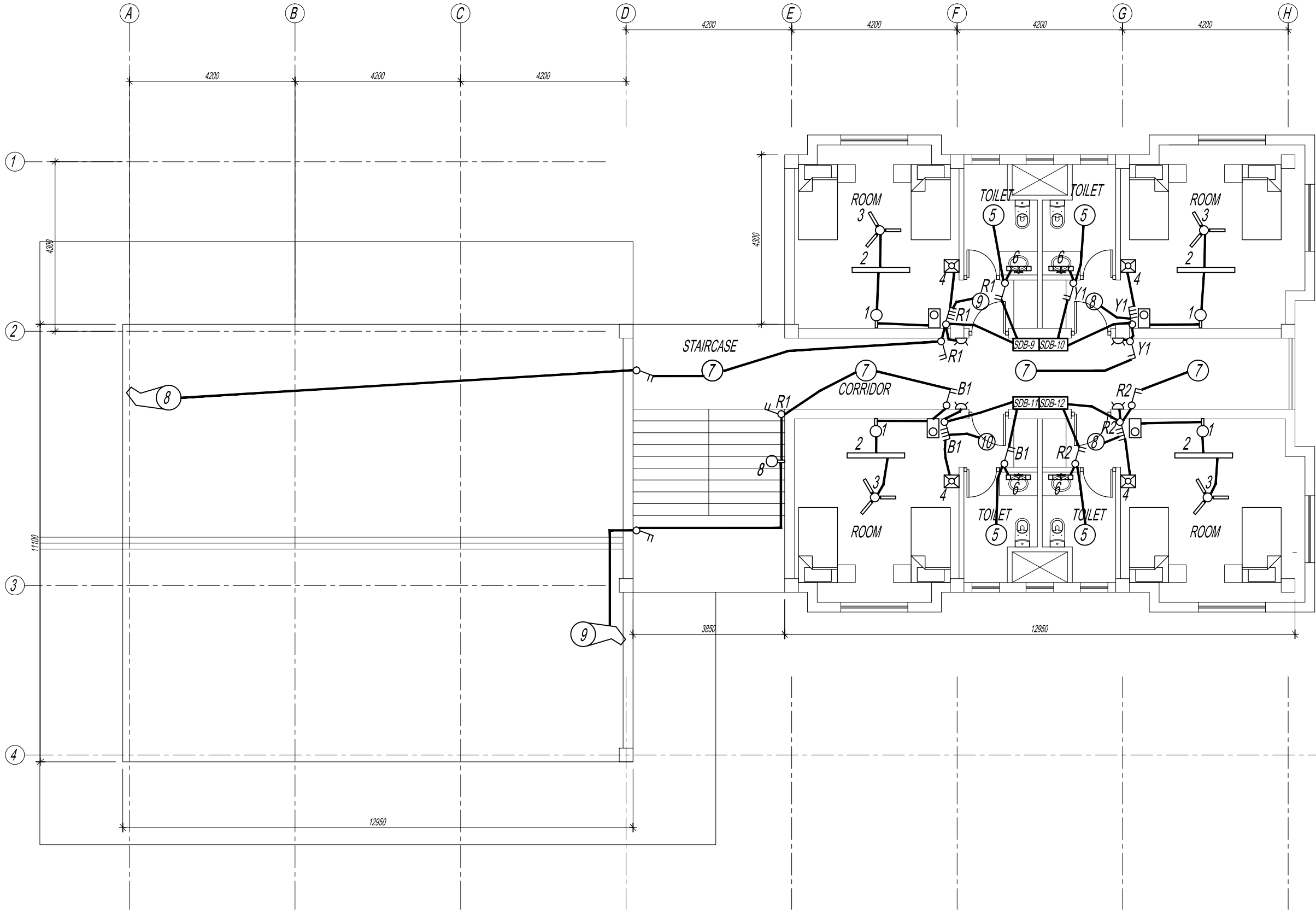
Date SEPT 1ST 2016

Drawn / Designed By P. Thinley

Drawing Number  
GEL AIRPORT BQ EL-15

LEAPP Project Code

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ROYAL GOVERNMENT OF BHUTAN  
CIVIL AVIATION DEPARTMENT

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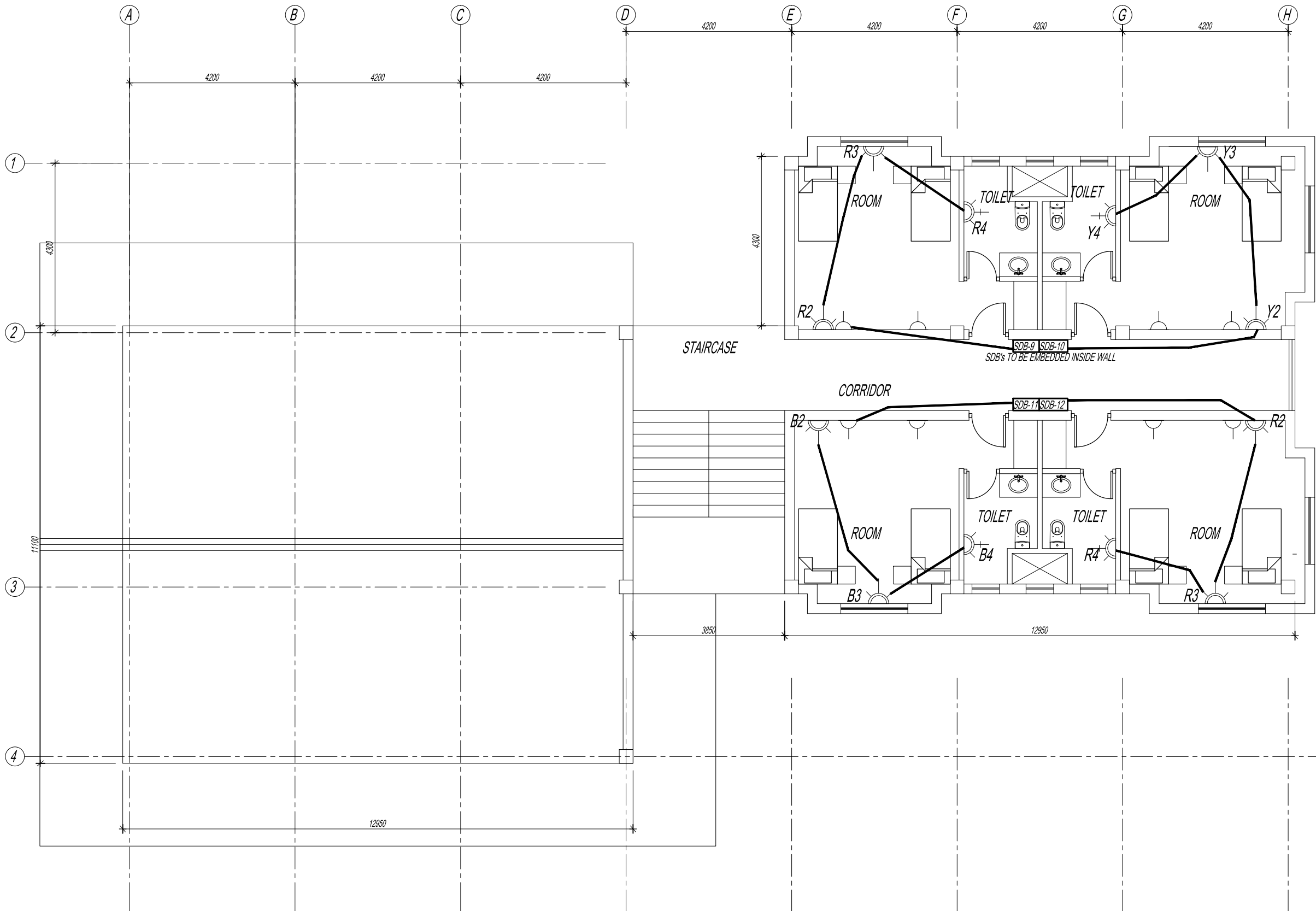
GELEPHU DOMESTIC AIRPORT  
DESIGN & SUPERVISION

DESIGN OF SECURITY  
QUARTERS.

Drawing Title

BACHELOR'S QUARTER  
THIRD FLOOR PLAN  
POWER PIPING LAYOUT

Scale NTS  
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Legend

[illegible]

Client
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Royal Government of Bhutan Civil Aviation Dep

Aviation Planners &amp; Engineers

Leading Edge Aviation Planning Professionals

Civil Engineering Consultant  
Gyaltshen Consultancy

Project Title
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GELEPHU DOMESTIC AIRPORT  
DESIGN & SUPERVISION

## DESIGN OF SECURITY QUARTERS.

Drawing Title
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BACHELOR'S QUARTER  
THIRD FLOOR PLAN  
TV PIPING LAYOUT

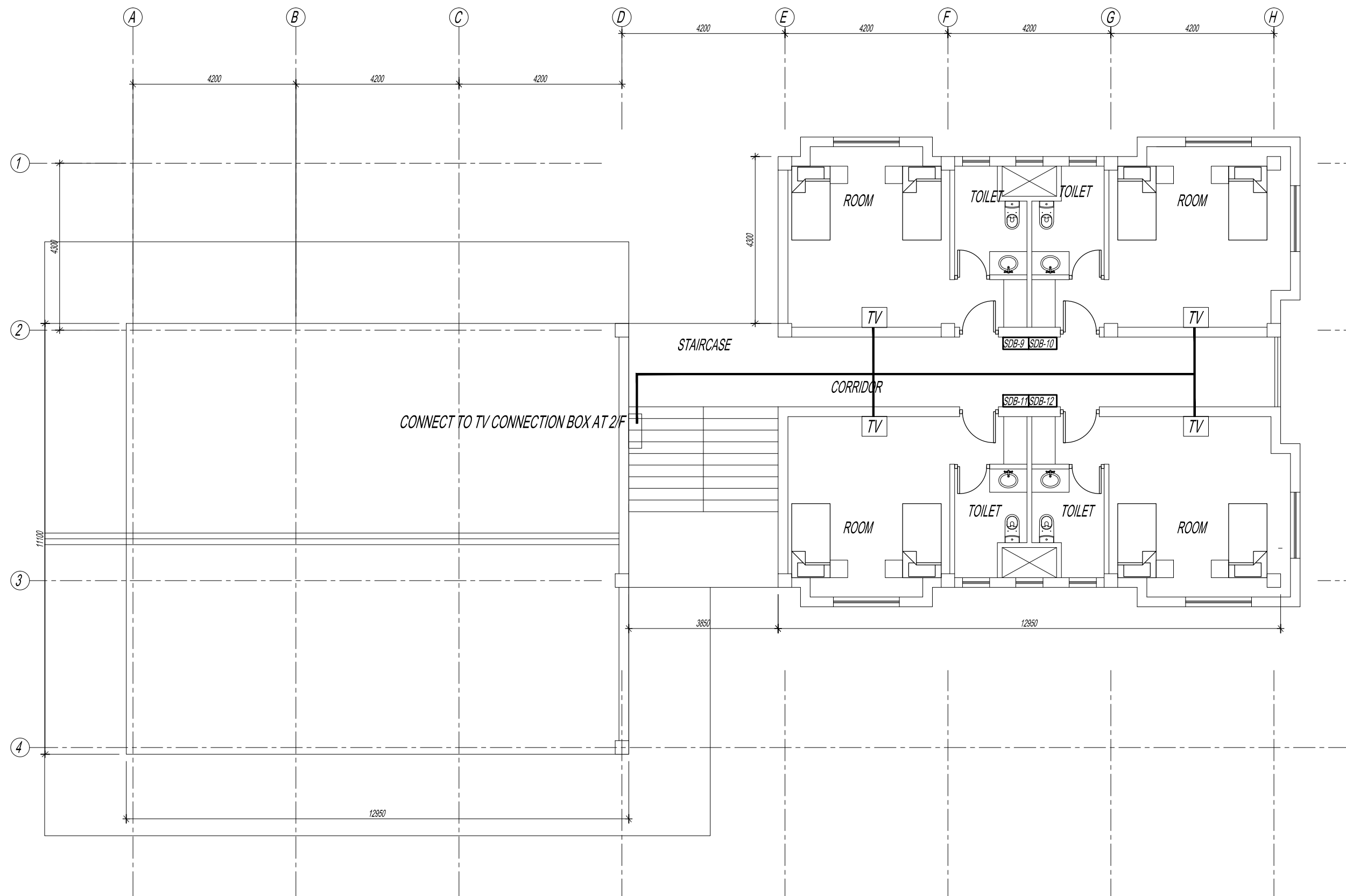
Scale	NTS
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Date SEPT 1ST 2016

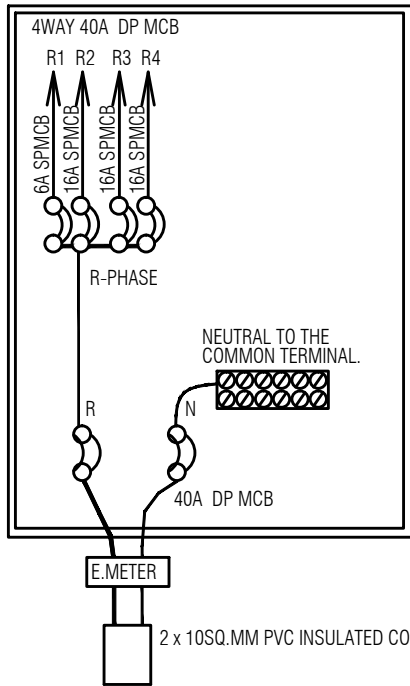
Drawn / Designed By	P. Thinley
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Drawing Number  
GEL AIRPORT BQ EL-16

LEAPP Project Code



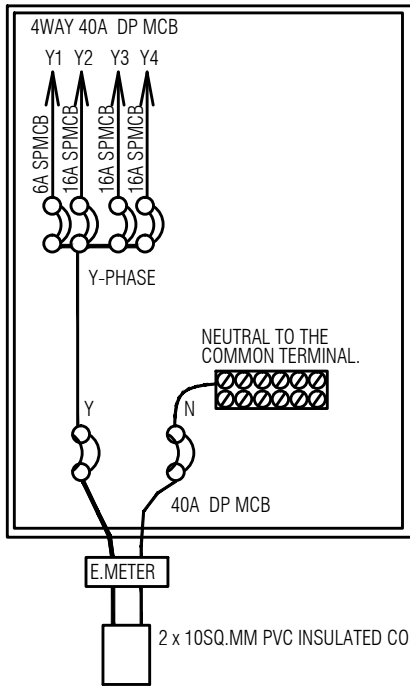
SDB-1 GROUND FLOOR



BALANCE LOADS IN WATTS	
R-PHASE G/F	
R1	365
R2	2100
R3	2000
R4	2000
6465	

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for GROUND FLOOR

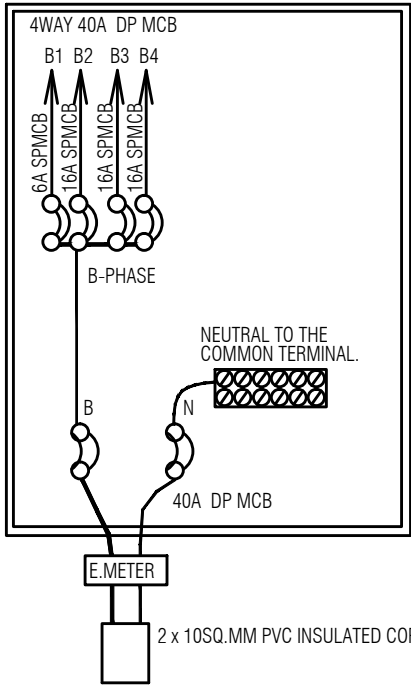
SDB-2 GROUND FLOOR



BALANCE LOADS IN WATTS	
Y-PHASE G/F	
Y1	306
Y2	2100
Y3	2000
Y4	2000
6406	

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for GROUND FLOOR

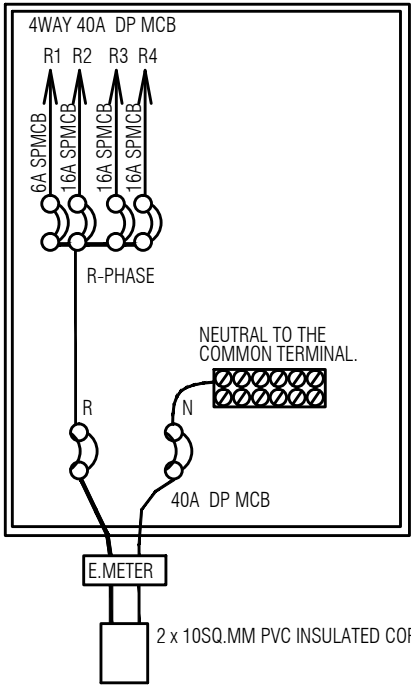
SDB-3 GROUND FLOOR



BALANCE LOADS IN WATTS	
B-PHASE G/F	
B1	330
B2	2100
B3	2000
B4	2000
6430	

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for GROUND FLOOR

SDB-4 GROUND FLOOR



BALANCE LOADS IN WATTS	
R-PHASE G/F	
R1	295
R2	2100
R3	2000
R4	2000
6395	

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for GROUND FLOOR

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 WIT
- BUILDING

Legend

No.	Revision	Date

Client

Royal Government of Bhutan Civil Aviation Dep

Aviation Planners & Engineers

Leading Edge Aviation Planning Professionals

Civil Engineering Consultant

Gyaltshen Consultancy

Project Title

GELEPHU DOMESTIC AIRP  
DESIGN & SUPERVISION

DESIGN OF SECURITY  
QUARTERS.

Drawing Title

BACHELOR'S QUARTER  
GROUND FLOOR

SINGLE LINE DIAGRAM  
CIRCUIT REF. OUTGOING

Scale

NTS

Date

SEPT 1ST 2016

Drawn / Designed By

P. Thinley

Drawing Number

GEL AIRPORT BQ EL-17

LEAPP Project Code

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NOTE:

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- BUILDING

Legend

No.	Revision	Date

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

Project Title

GELEPHU DOMESTIC AIRP  
DESIGN & SUPERVISION

DESIGN OF SECURITY  
QUARTERS.

Drawing Title

BACHELOR'S QUARTER  
FIRST FLOOR

SINGLE LINE DIAGRAM  
CIRCUIT REF. OUTGOING

Scale NTS

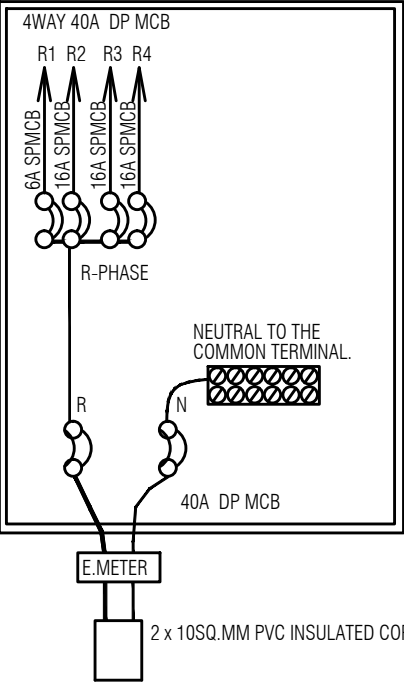
Date SEPT 1ST 2016

Drawn / Designed By P. Thinley

Drawing Number  
GEL AIRPORT BQ EL-18

LEAPP Project Code  
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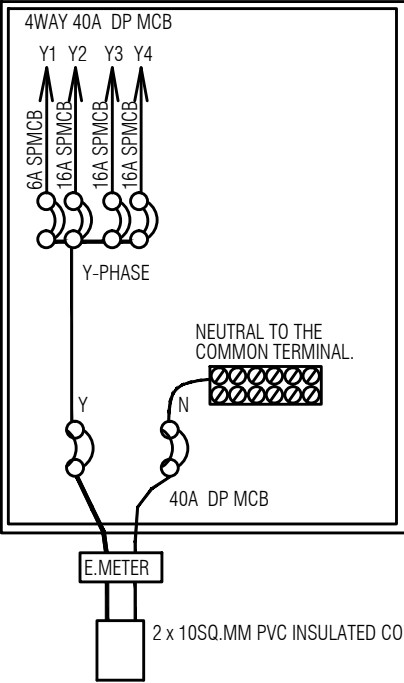
SDB-5 FIRST FLOOR



BALANCE LOADS IN WATTS R-PHASE F/F	
R1	295
R2	2100
R3	2000
R4	2000
<hr/>	
	6395

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for FIRST FLOOR

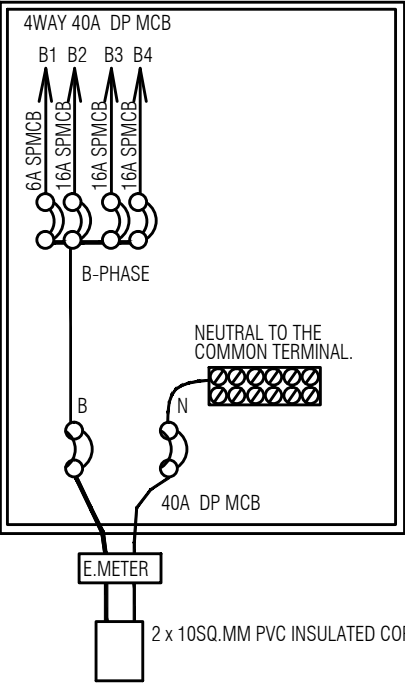
SDB-6 FIRST FLOOR



BALANCE LOADS IN WATTS Y-PHASE F/F	
Y1	295
Y2	2100
Y3	2000
Y4	2000
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	6395

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for FIRST FLOOR

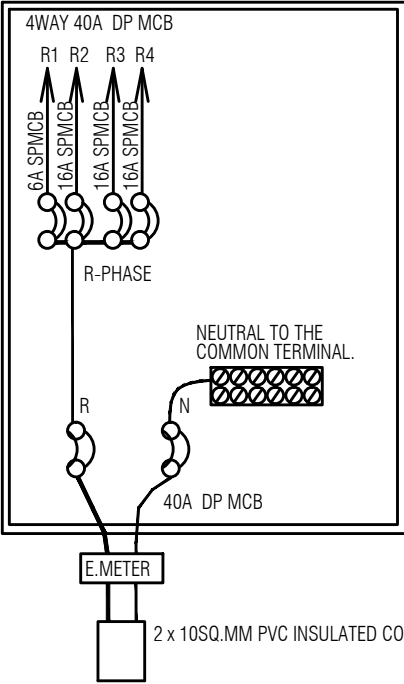
SDB-7 FIRST FLOOR



BALANCE LOADS IN WATTS B-PHASE F/F	
B1	295
B2	2100
B3	2000
B4	2000
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	6395

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for FIRST FLOOR

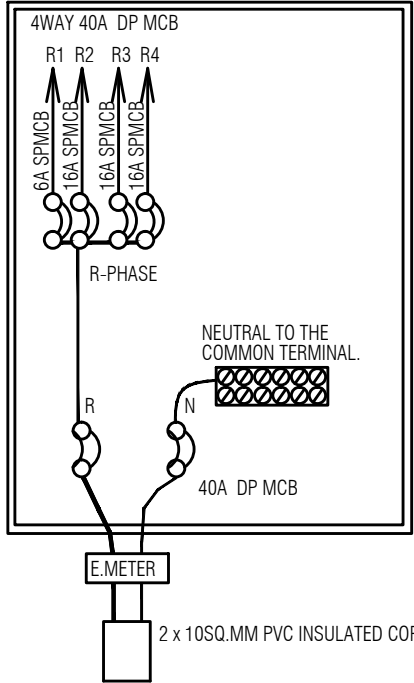
SDB-8 FIRST FLOOR



BALANCE LOADS IN WATTS R-PHASE F/F	
R1	306
R2	2100
R3	2000
R4	2000
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	6406

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for FIRST FLOOR

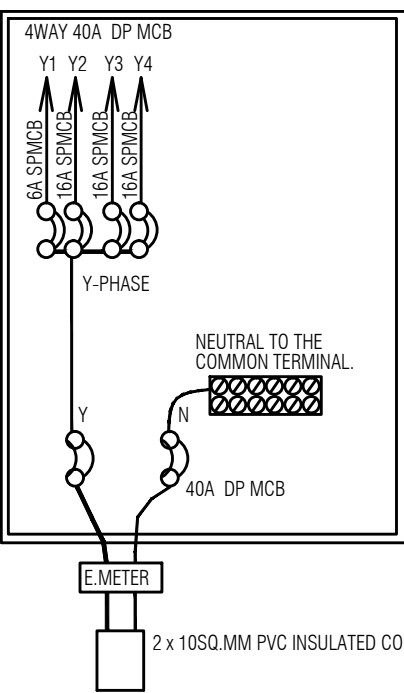
SDB-1 FIRST FLOOR



BALANCE LOADS IN WATTS	
R-PHASE F/F	
R1	365
R2	2100
R3	2000
R4	2000
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6465	

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for FIRST FLOOR

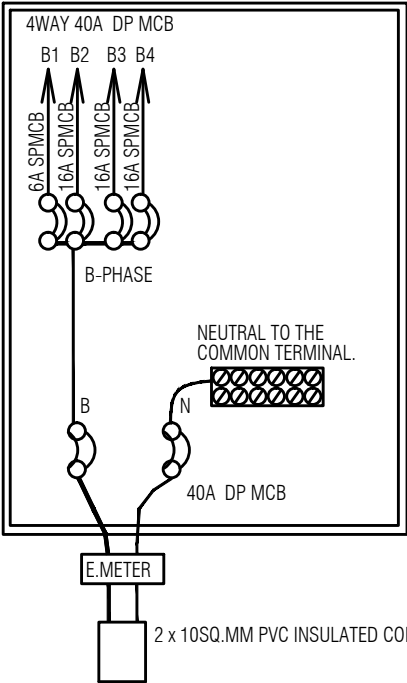
SDB-2 FIRST FLOOR



BALANCE LOADS IN WATTS	
Y-PHASE F/F	
Y1	354
Y2	2100
Y3	2000
Y4	2000
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6454	

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for FIRST FLOOR

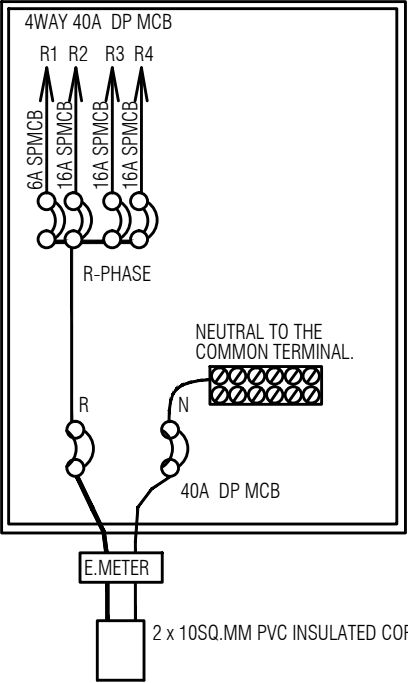
SDB-3 FIRST FLOOR



BALANCE LOADS IN WATTS	
B-PHASE F/F	
B1	365
B2	2100
B3	2000
B4	2000
<hr/>	
6465	

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for FIRST FLOOR

SDB-4 FIRST FLOOR



BALANCE LOADS IN WATTS	
R-PHASE F/F	
R1	295
R2	2100
R3	2000
R4	2000
<hr/>	
6395	

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for FIRST FLOOR



ROYAL GOVERNMENT OF BHUTAN  
CIVIL AVIATION DEPARTMENT

NOTE:

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- BUILDING

Legend

No.	Revision	Date

Client

Royal Government of Bhutan Civil Aviation Dep

Aviation Planners & Engineers

Leading Edge Aviation Planning Professionals

Civil Engineering Consultant

Gyaltshen Consultancy

Project Title

GELEPHU DOMESTIC AIRP  
DESIGN & SUPERVISION

DESIGN OF SECURITY  
QUARTERS.

Drawing Title

BACHELOR'S QUARTER  
FIRST FLOOR

SINGLE LINE DIAGRAM  
CIRCUIT REF. OUTGOING

Scale

NTS

Date

SEPT 1ST 2016

Drawn / Designed By

P. Thinley

Drawing Number

GEL AIRPORT BQ EL-19

LEAPP Project Code

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NOTE:  
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BUILDING

Legend

No.	Revision	Date

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

Project Title

GELEPHU DOMESTIC AIRP  
DESIGN & SUPERVISION

DESIGN OF SECURITY  
QUARTERS.

Drawing Title

BACHELOR'S QUARTER  
SECOND FLOOR

SINGLE LINE DIAGRAM  
CIRCUIT REF. OUTGOING

Scale NTS

Date SEPT 1ST 2016

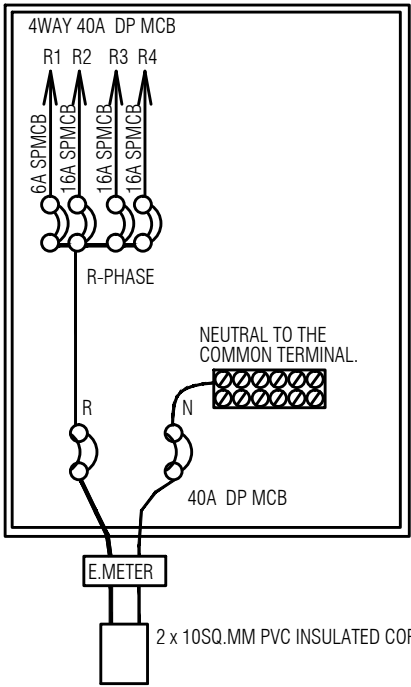
Drawn / Designed By P. Thinley

Drawing Number  
GEL AIRPORT BQ EL-20

LEAPP Project Code

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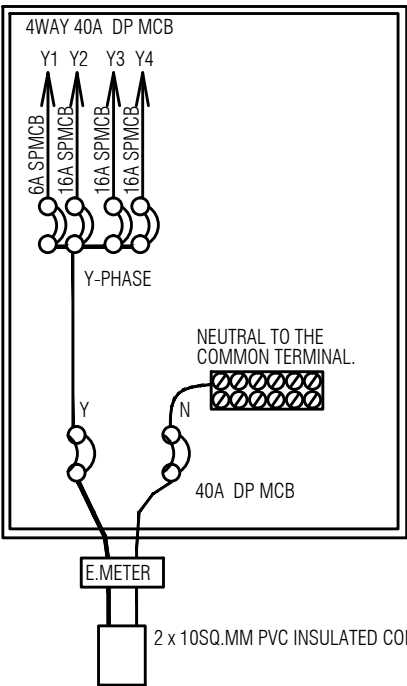
SDB-9 SECOND FLOOR



BALANCE LOADS IN WATTS R-PHASE 2/F	
R1	295
R2	2100
R3	2000
R4	2000
6395	

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for SECOND FLOOR

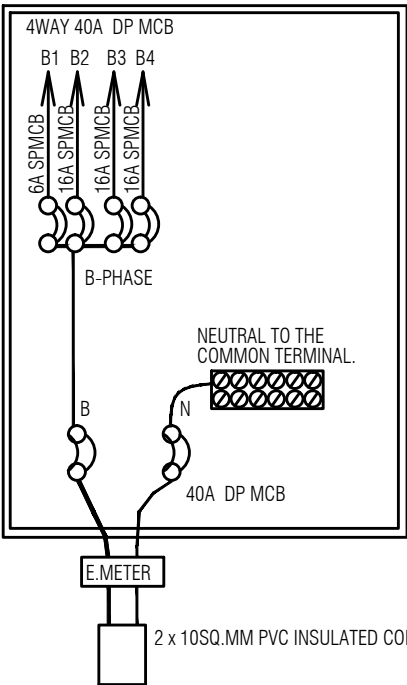
SDB-10 SECOND FLOOR



BALANCE LOADS IN WATTS Y-PHASE 2/F	
Y1	295
Y2	2100
Y3	2000
Y4	2000
6395	

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for SECOND FLOOR

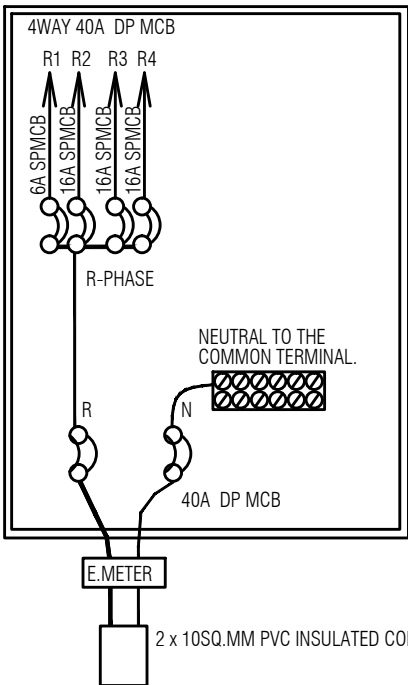
SDB-11 SECOND FLOOR



BALANCE LOADS IN WATTS B-PHASE 2/F	
B1	295
B2	2100
B3	2000
B4	2000
6395	

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for SECOND FLOOR

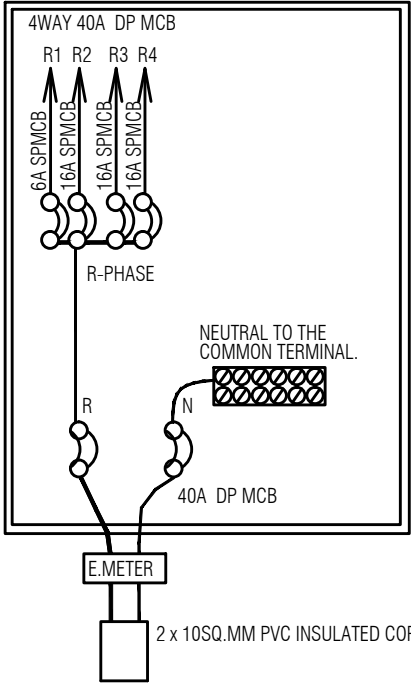
SDB-12 SECOND FLOOR



BALANCE LOADS IN WATTS R-PHASE 2/F	
R1	306
R2	2100
R3	2000
R4	2000
6406	

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for SECOND FLOOR

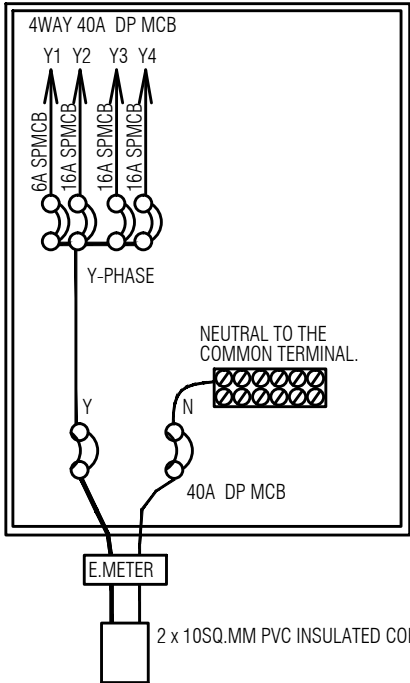
SDB-5 SECOND FLOOR



BALANCE LOADS IN WATTS	
R-PHASE 2/F	
R1	295
R2	2100
R3	2000
R4	2000
6395	

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for SECOND FLOOR

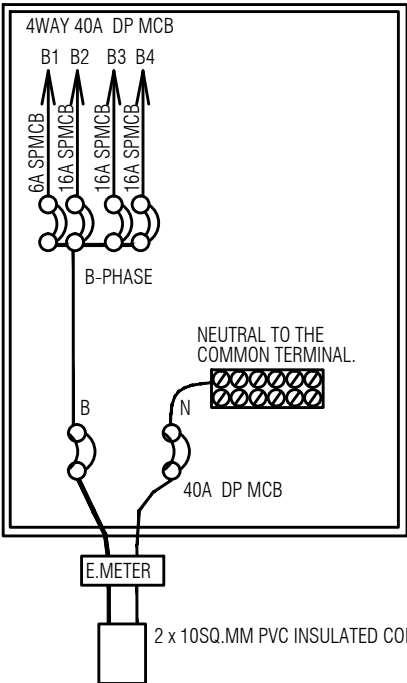
SDB-6 SECOND FLOOR



BALANCE LOADS IN WATTS	
Y-PHASE 2/F	
Y1	295
Y2	2100
Y3	2000
Y4	2000
6395	

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for SECOND FLOOR

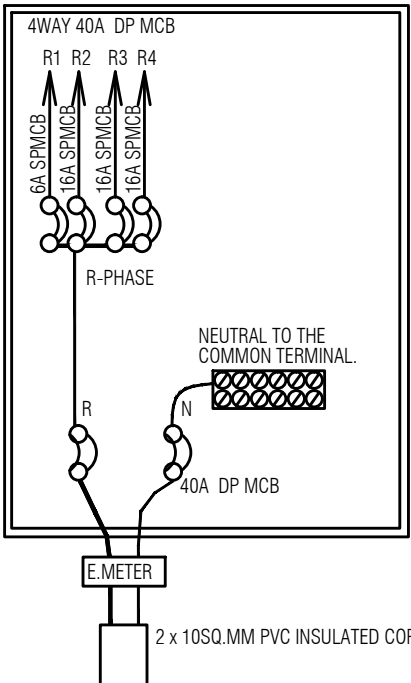
SDB-7 SECOND FLOOR



BALANCE LOADS IN WATTS	
B-PHASE 2/F	
B1	295
B2	2100
B3	2000
B4	2000
6395	

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for SECOND FLOOR

SDB-8 SECOND FLOOR



BALANCE LOADS IN WATTS	
R-PHASE 2/F	
R1	295
R2	2100
R3	2000
R4	2000
6395	

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for SECOND FLOOR



ROYAL GOVERNMENT OF BHUTAN  
CIVIL AVIATION DEPARTMENT

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- BUILDING

Legend

No.	Revision	Date

Client

Royal Government of Bhutan Civil Aviation Dep

Aviation Planners & Engineers

Leading Edge Aviation Planning Professionals

Civil Engineering Consultant

Gyaltshen Consultancy

Project Title

GELEPHU DOMESTIC AIRP  
DESIGN & SUPERVISION

DESIGN OF SECURITY  
QUARTERS.

Drawing Title

BACHELOR'S QUARTER  
SECOND FLOOR

SINGLE LINE DIAGRAM  
CIRCUIT REF. OUTGOING

Scale NTS

Date SEPT 1ST 2016

Drawn / Designed By P. Thinley

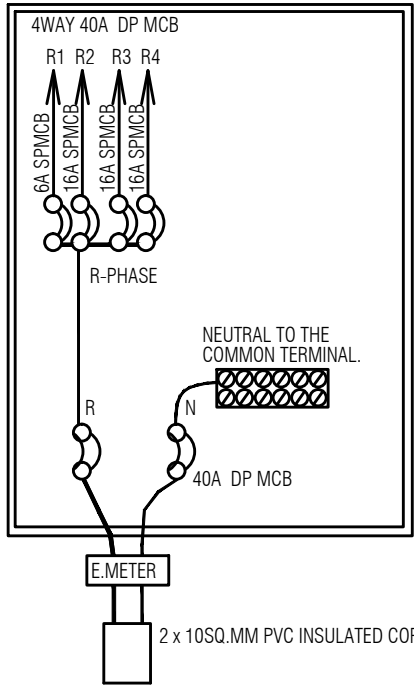
Drawing Number  
GEL AIRPORT BQ EL-21

LEAPP Project Code

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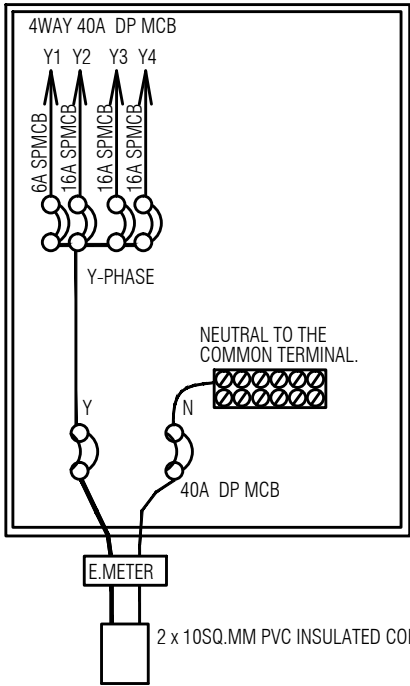
SDB-9 THIRD FLOOR



BALANCE LOADS IN WATTS	
R-PHASE AT 3/F	
R1	317
R2	2100
R3	2000
R4	2000
6417	

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for THIRD FLOOR

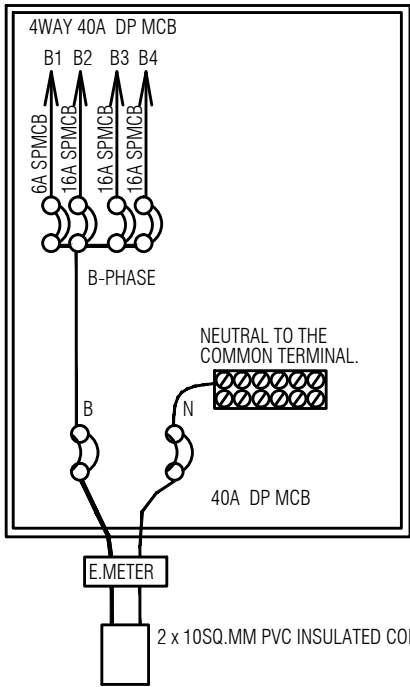
SDB-10 THIRD FLOOR



BALANCE LOADS IN WATTS	
Y-PHASE AT 3/F	
Y1	295
Y2	2100
Y3	2000
Y4	2000
6395	

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for THIRD FLOOR

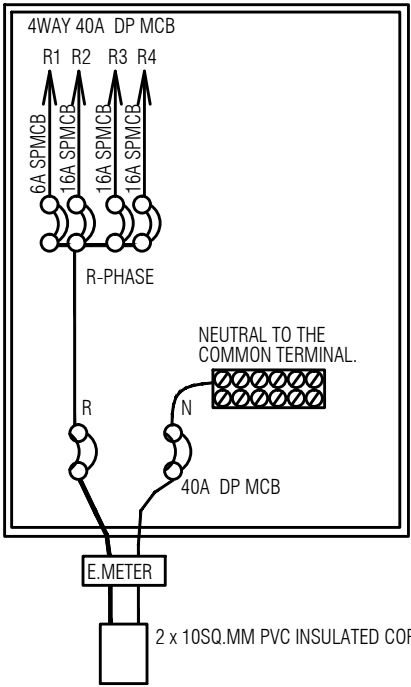
SDB-11 THIRD FLOOR



BALANCE LOADS IN WATTS	
B-PHASE AT 3/F	
B1	306
B2	2100
B3	2000
B4	2000
6406	

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for THIRD FLOOR

SDB-12 THIRD FLOOR



BALANCE LOADS IN WATTS	
R-PHASE AT 3/F	
R1	295
R2	2100
R3	2000
R4	2000
6395	

SINGLE LINE DIAGRAM CIRCUIT REFERENCE OUTGOING for THIRD FLOOR



ROYAL GOVERNMENT OF BHUTAN  
CIVIL AVIATION DEPARTMENT

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BUILDING

Legend

No.	Revision	Date

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

Project Title

GELEPHU DOMESTIC AIRP  
DESIGN & SUPERVISION

DESIGN OF SECURITY  
QUARTERS.

Drawing Title

BACHELOR'S QUARTER  
THIRD FLOOR

SINGLE LINE DIAGRAM  
CIRCUIT REF. OUTGOING

Scale NTS

Date SEPT 1ST 2016

Drawn / Designed By P. Thinley

Drawing Number  
GEL AIRPORT BQ EL-22

LEAPP Project Code

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## NOTE:

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## Legend

No. | Revision | Date

Client

Royal Government of Bhutan Civil Aviation Department

Aviation Planners &amp; Engineers

Leading Edge Aviation Planning Professionals

Civil Engineering Consultant

Gyaltshen Consultancy

Project Title

GELEPHU DOMESTIC AIRPORT  
DESIGN & SUPERVISIONDESIGN OF SECURITY  
QUARTERS.

Drawing Title

BACHELOR'S QUARTER

MAIN CONTROL PANEL BOARD-I

Scale NTS

Date SEPT 1ST 2016

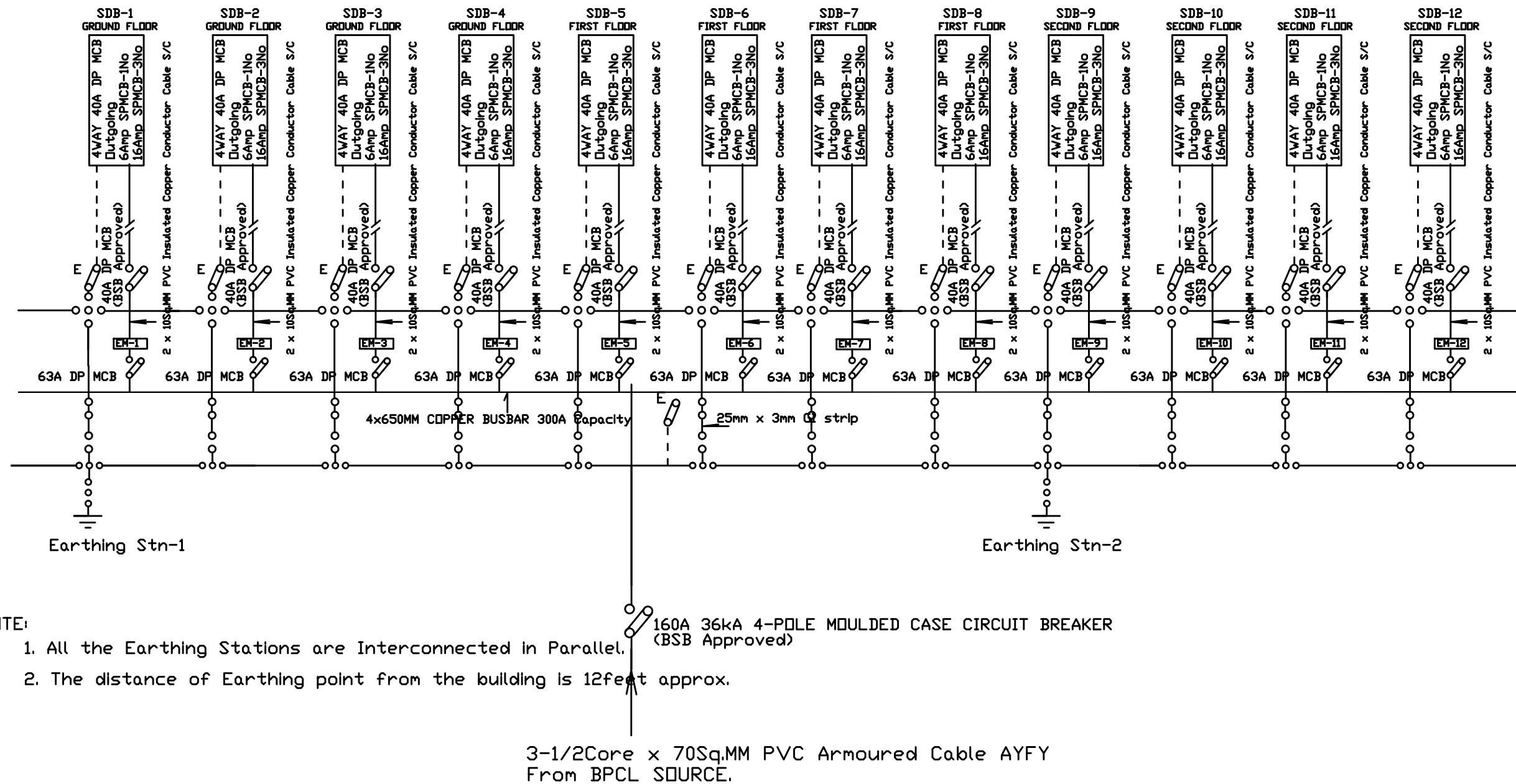
Drawn / Designed By P. Thinley

Drawing Number  
GEL AIRPORT BQ EL-23

LEAPP Project Code

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## MAIN CONTROL PANEL BOARD-I



## NOTE:

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## Legend

No. | Revision | Date

Client

Royal Government of Bhutan Civil Aviation Department

Aviation Planners &amp; Engineers

Leading Edge Aviation Planning Professionals

Civil Engineering Consultant

Gyaltshen Consultancy

Project Title

GELEPHU DOMESTIC AIRPORT  
DESIGN & SUPERVISIONDESIGN OF SECURITY  
QUARTERS.

Drawing Title

BACHELOR'S QUARTER

MAIN CONTROL PANEL BOARD-II

Scale NTS

Date SEPT 1ST 2016

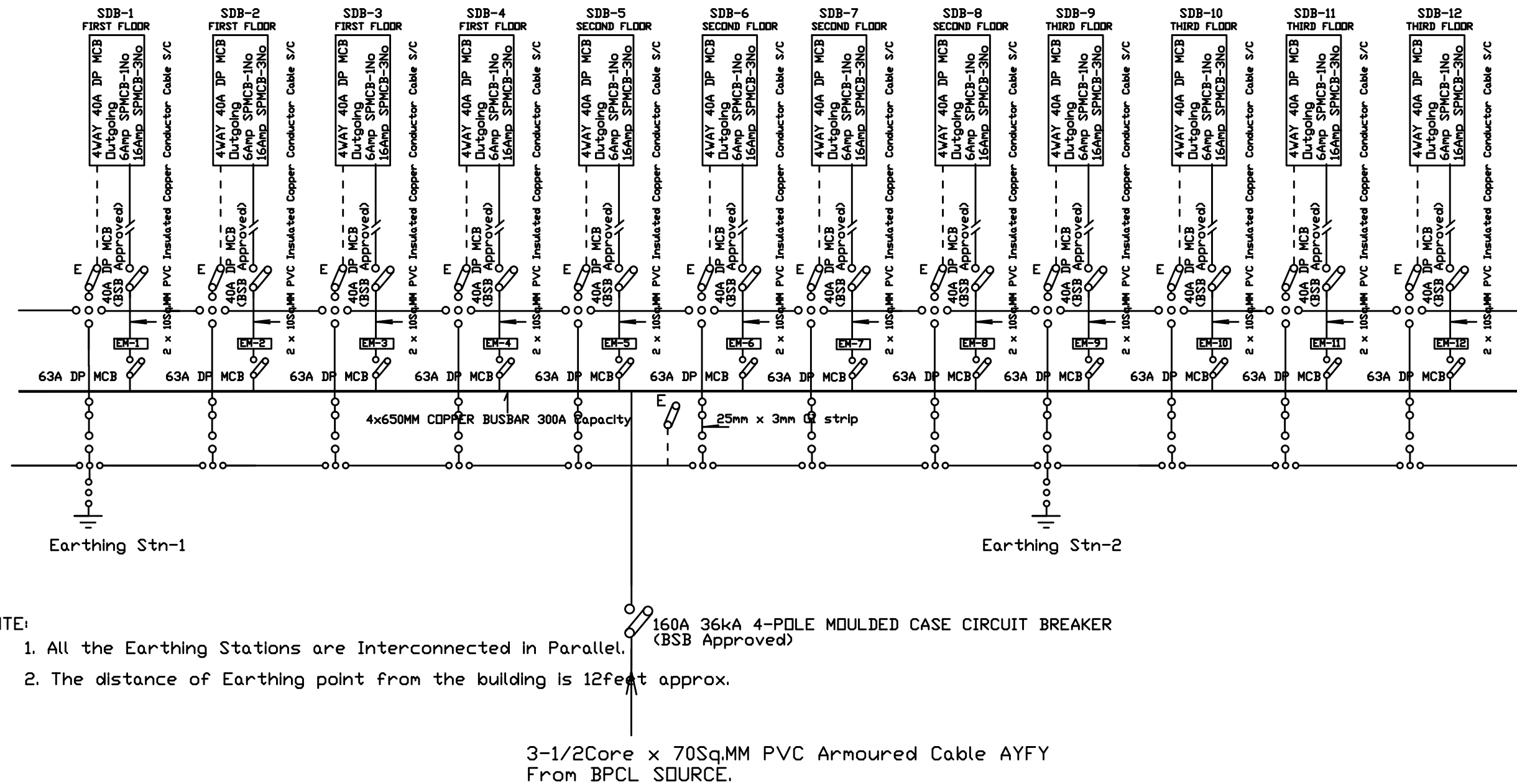
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Drawing Number  
GEL AIRPORT BQ EL-24

LEAPP Project Code

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## MAIN CONTROL PANEL BOARD-II



NOTE:

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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

BACHELOR'S QUARTER

EARTHING PLATE DETAILS

Scale NTS

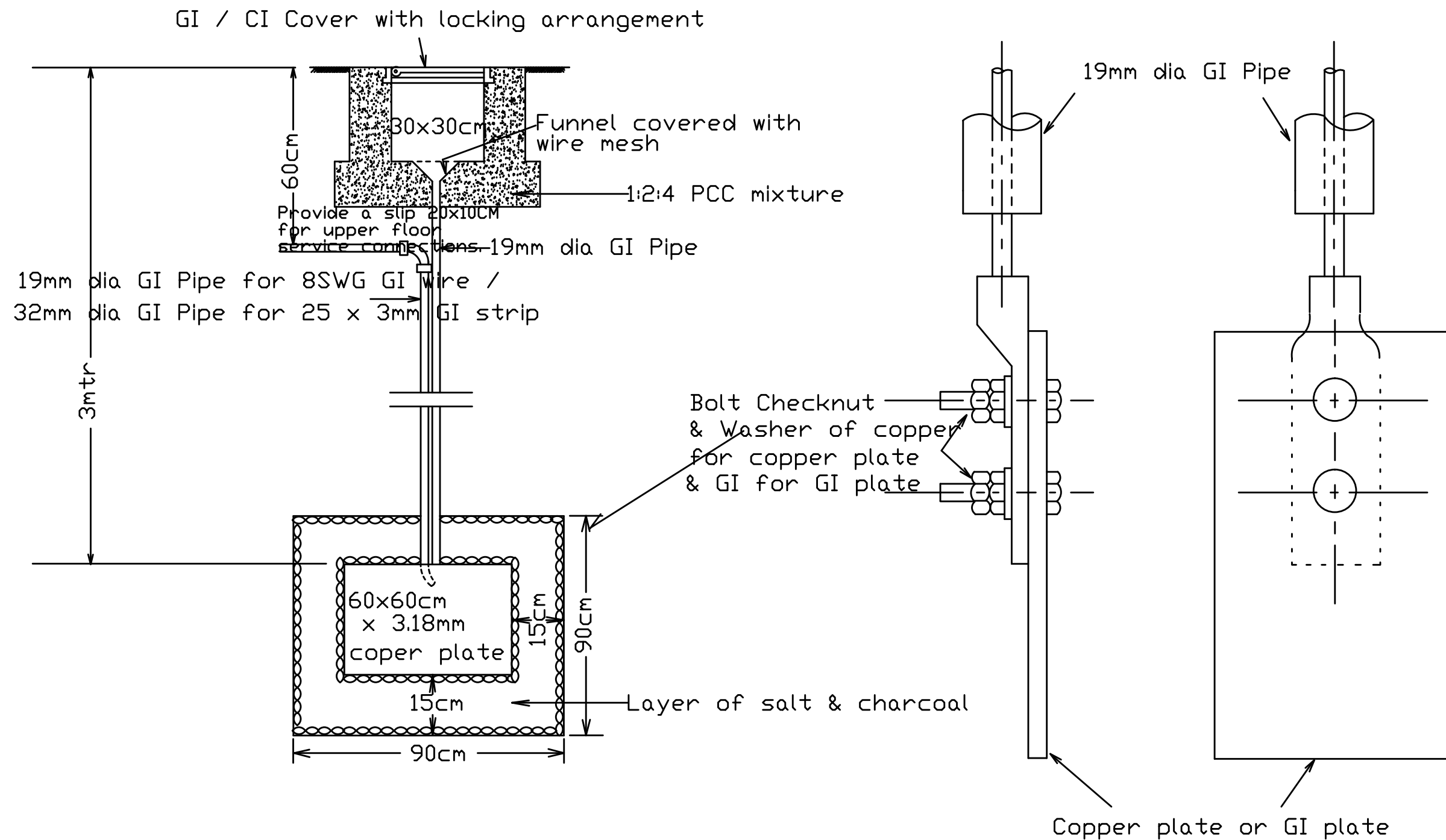
Date SEPT 1ST 2016

Drawn / Designed By P. Thinley

Drawing Number  
GEL AIRPORT BQ EL-25

LEAPP Project Code

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EARTHING PLATE DIAGRAM

NOTE:  
-ALL DIMENSIONS ARE IN MILLIMETERS 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

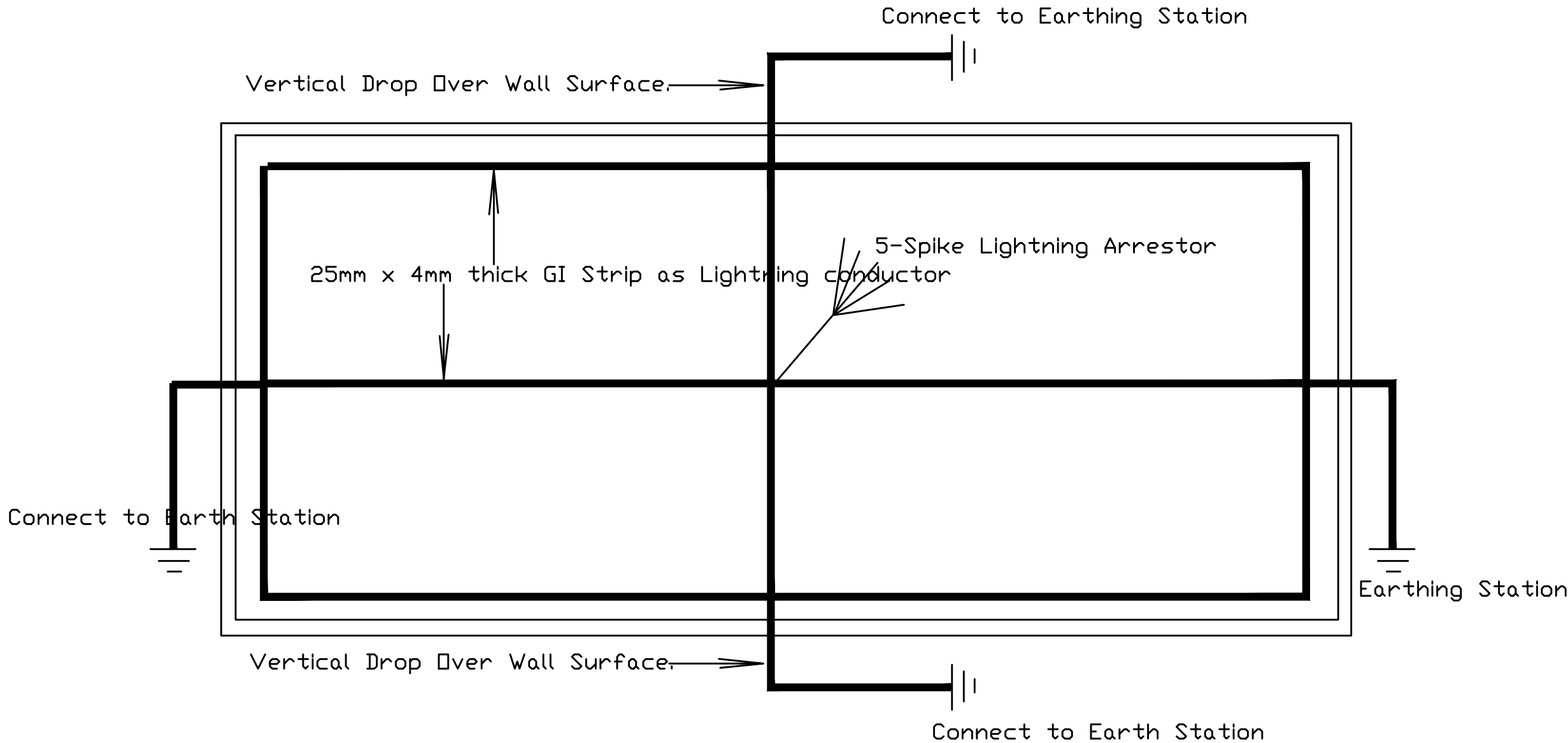
DESIGN OF SECURITY  
QUARTERS.

Drawing Title

BACHELOR'S QUARTER

LIGHTNING ARRESTOR DETAIL

Scale NTS  
Date SEPT 1ST 2016  
Drawn / Designed By P. Thinley  
Drawing Number  
GEL AIRPORT BQ EL-26  
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.