

PROJECT: PROPOSED DESIGN OF SECURITY QUARTERS AT GELEPHU AIRPORT.

CLIENT: DEPARTMENT OF AIR TRANSPORT.

BUILDING: DINNING HALL.

ARCHITECTURAL DRAWINGS

SUBMITTED BY:

Gyaltshen consultancy



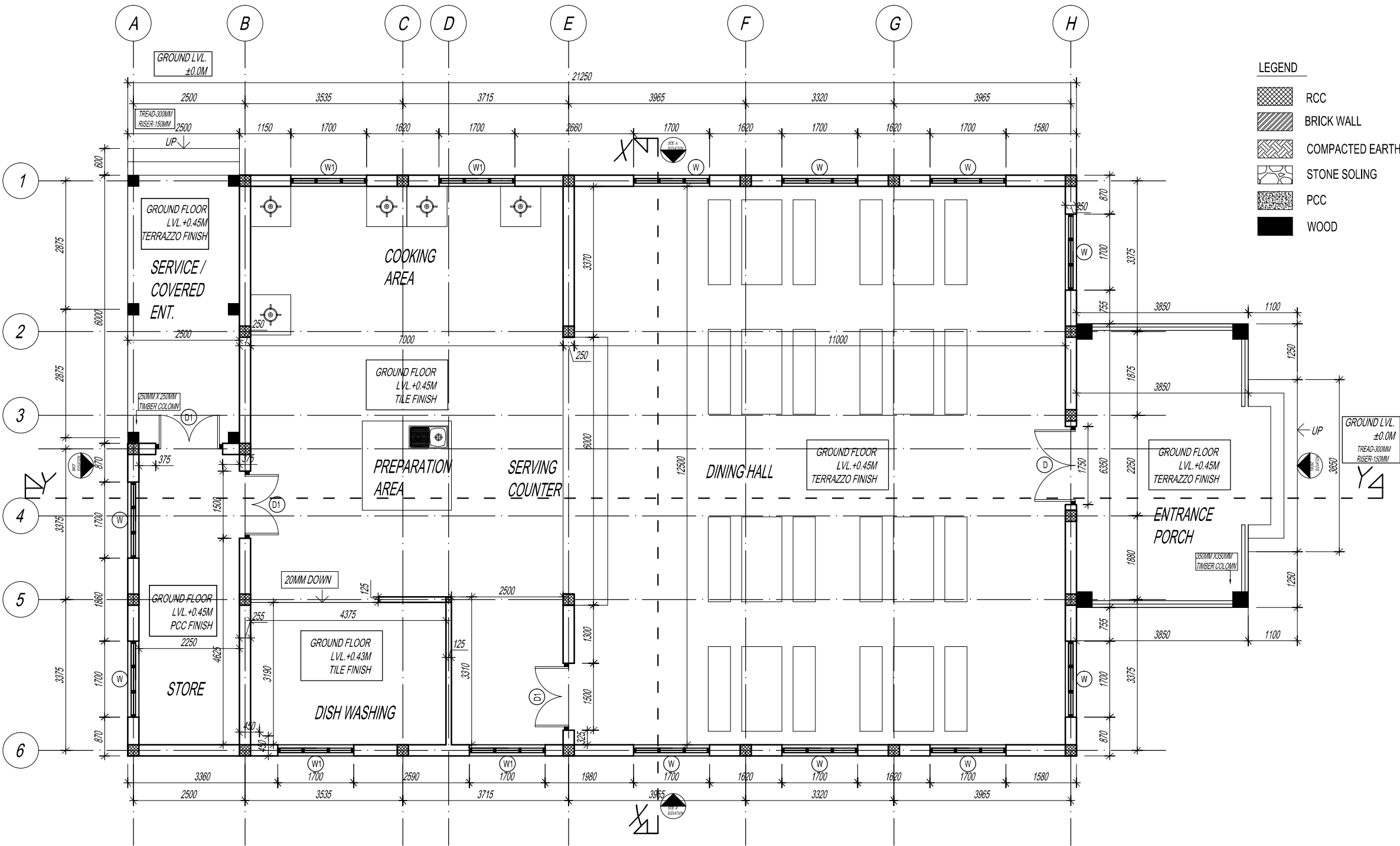
ROYAL GOVERNMENT OF BHUTAN
CIVIL AVIATION DEPARTMENT

NOTE:
-ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE
-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 I
BUILDING

Legend

LEGEND

- RCC
- BRICK WALL
- COMPACTED EARTH
- STONE SOLING
- PCC
- WOOD



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 AIRPORT
DESIGN & SUPERVISION**

**DESIGN OF SECURITY
QUARTERS**

Drawing Title
DINNING HALL

FLOOR PLAN

Scale	1:100
Date	DEC 27TH 2016
Drawn By	TSHEWANG GYELTSHEN
Design By	DINESH
Drawing Number	GEL AIRPORT DH AR 03
LEAPP Project Code	----



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Legend

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 AIRPORT
DESIGN & SUPERVISION

DESIGN OF SECURITY QUARTERS

Drawing Title

DINNING HALL

ROOF PLAN

Scale	1:100
Date	DEC 27TH 2016
Drawn By	TSHEWANG GYELTSHEN
Design By	DINESH
Drawing Number	GEL AIRPORT DH AR 04
LEAPP Project Code	----



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BUILDING

Legend

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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 AIRPORT
DESIGN & SUPERVISION

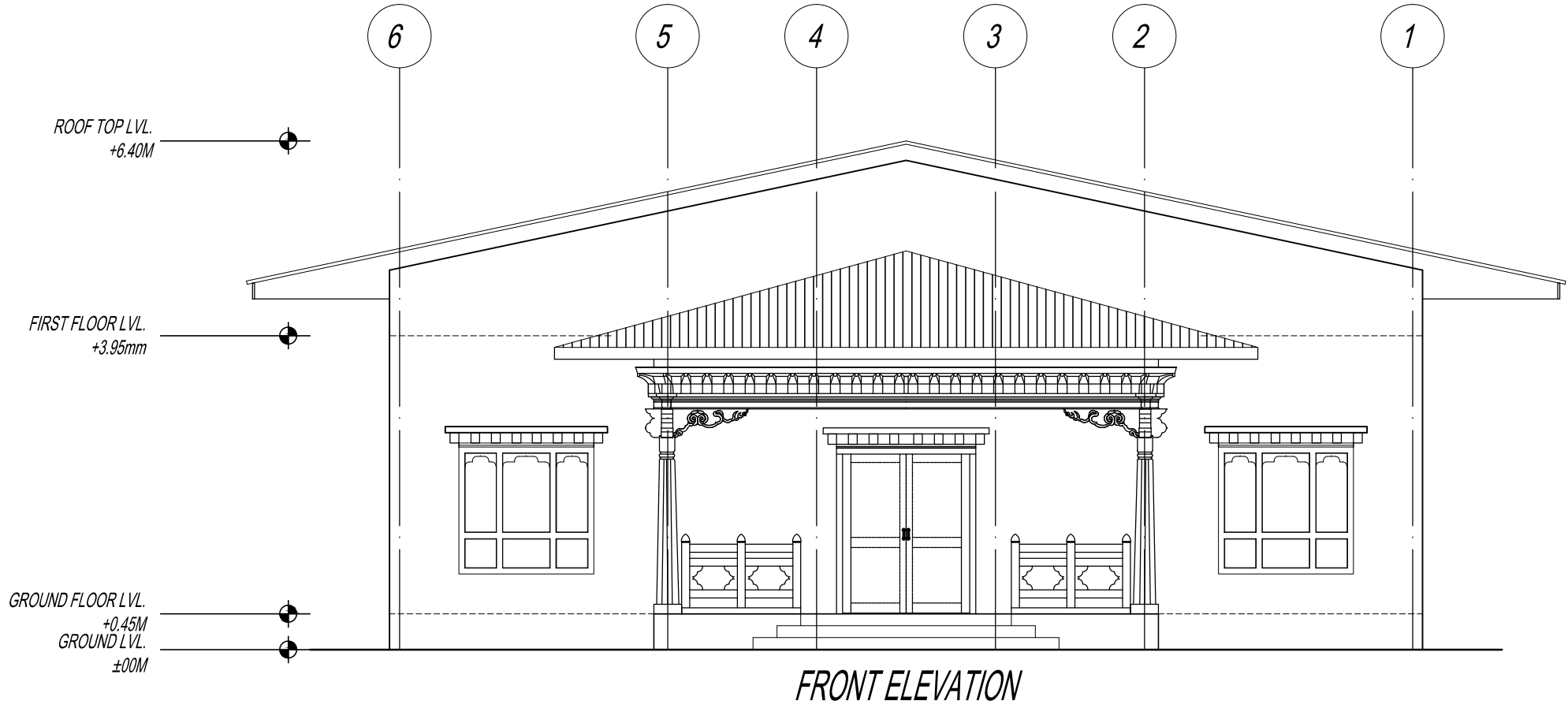
DESIGN OF SECURITY
QUARTERS

Drawing Title

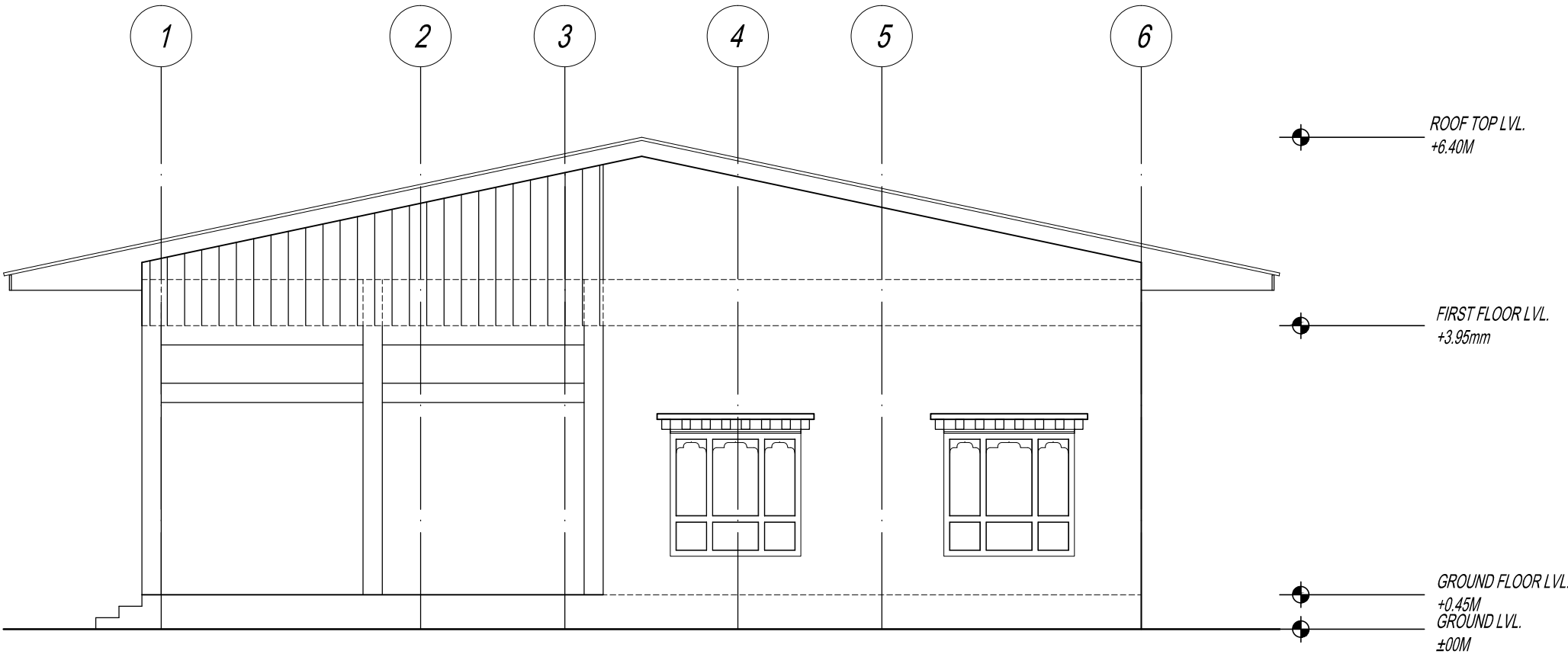
DINNING HALL

ELEVATIONS

Scale	1:75
Date	DEC 27TH 2016
Drawn By	TSHEWANG GYELTSHEN
Design By	DINESH
Drawing Number	GEL AIRPORT DH AR 05
LEAPP Project Code	----



FRONT ELEVATION



BACK ELEVATION



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CIVIL AVIATION DEPARTMENT

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Legend

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Civil Engineering Consultant
Gyaltshen Consultancy

Project Title

GELEPHU DOMESTIC AIRPORT
DESIGN & SUPERVISION

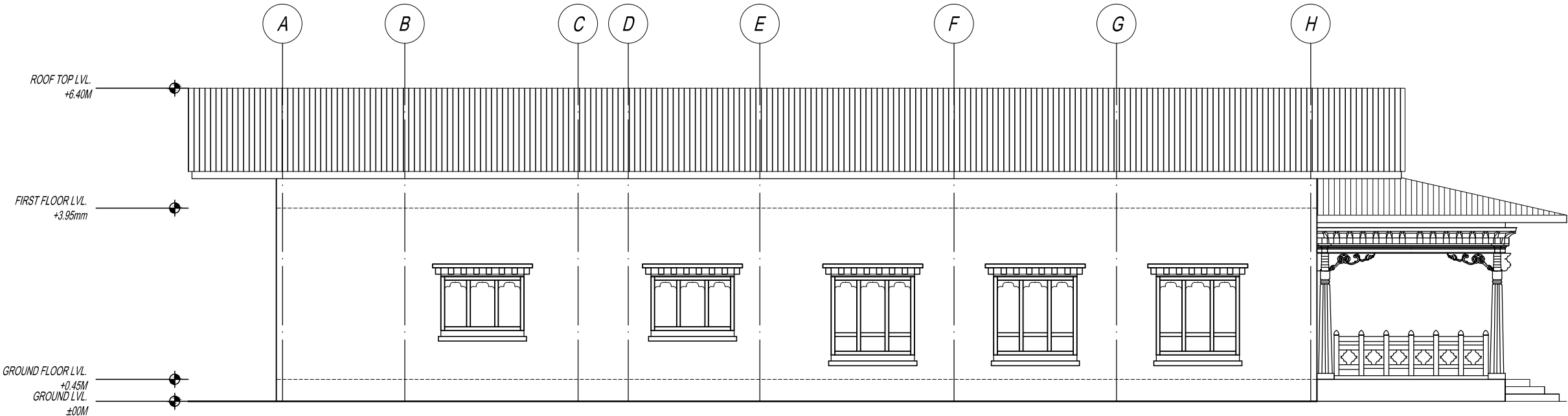
DESIGN OF SECURITY
QUARTERS

Drawing Title

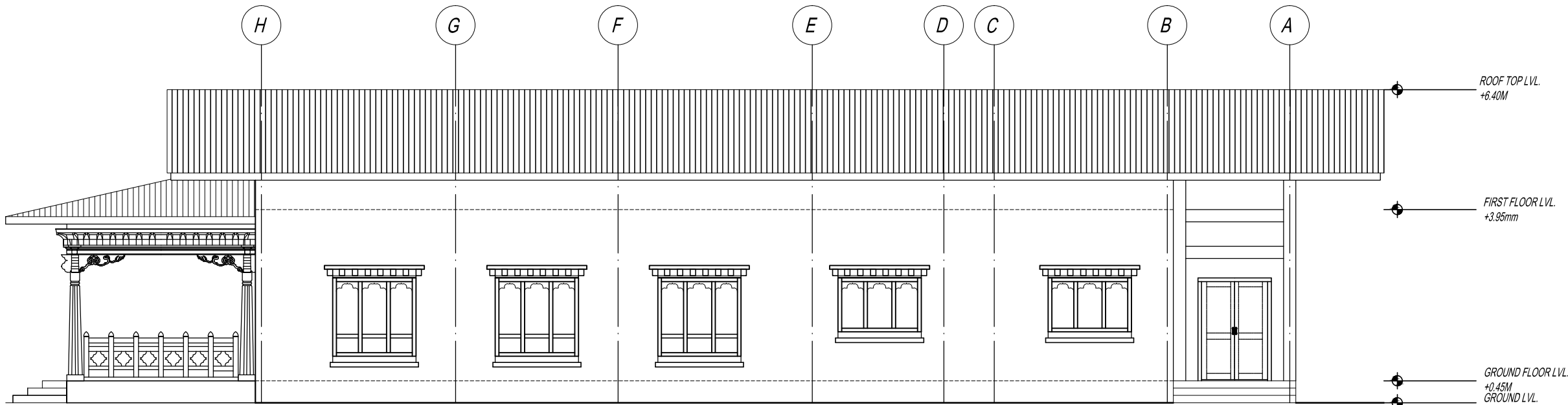
DINNING HALL

ELEVATIONS

Scale	1:100
Date	DEC 27TH 2016
Drawn By	TSHEWANG GYELTSHEN
Design By	DINESH
Drawing Number	GEL AIRPORT DH AR 06
LEAPP Project Code	----



SIDE B ELEVATION



SIDE A ELEVATION

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Legend



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Royal Government of Bhutan Civil Aviation Dep
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Leading Edge Aviation Planning Professionals
Civil Engineering Consultant
Gyaltsen Consultancy
Project Title

GELEPHU DOMESTIC AIRPORT
DESIGN & SUPERVISION

DESIGN OF SECURITY QUARTERS

Drawing Title

DINNING HALL

SECTIONS

Scale	1:100
Date	DEC 27TH 2016
Drawn By	TSHEWANG GYELTSHEN
Design By	DINESH
Drawing Number	GEL AIRPORT DH AR 07
LEAPP Project Code	----

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

WALL AND PLINTH PROTECTION DRAWINGS

SUBMITTED BY:

Gyaltshen consultancy



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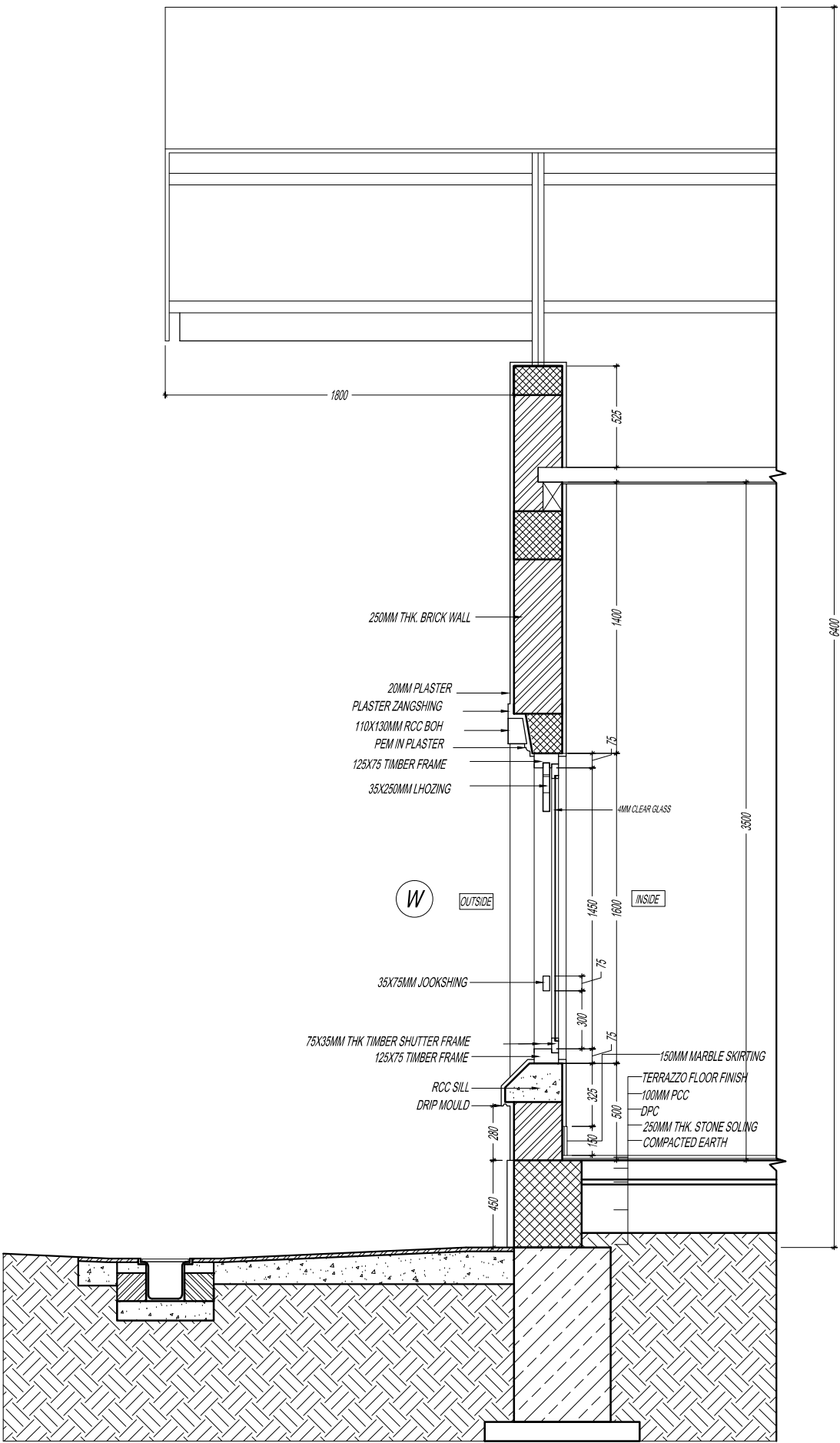
Client
Royal Government of Bhutan Civil Aviation Dep
Aviation Planners & Engineers
Leading Edge Aviation Planning Professionals
Civil Engineering Consultant
Gyaltshen Consultancy
Project Title

DESIGN OF SECURITY QUARTERS

Drawing Title

WALL SECTION AND PLINTH PROTECTION DETAILS

Scale	1:30
Date	DEC 27TH 2016
Drawn By	TSHEWANG GYELTSHEN
Design By	DINESH
Drawing Number	GEL AIRPORT DH WS 01
LEAPP Project Code	----



PROJECT: PROPOSED DESIGN OF SECURITY QUARTERS AT GELEPHU AIRPORT.

CLIENT: DEPARTMENT OF AIR TRANSPORT.

BUILDING: DINNING HALL.

DOOR AND WINDOW DRAWINGS

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Gyaltshen Consultancy
Project Title

GELEPHU DOMESTIC AIRPC
DESIGN & SUPERVISION

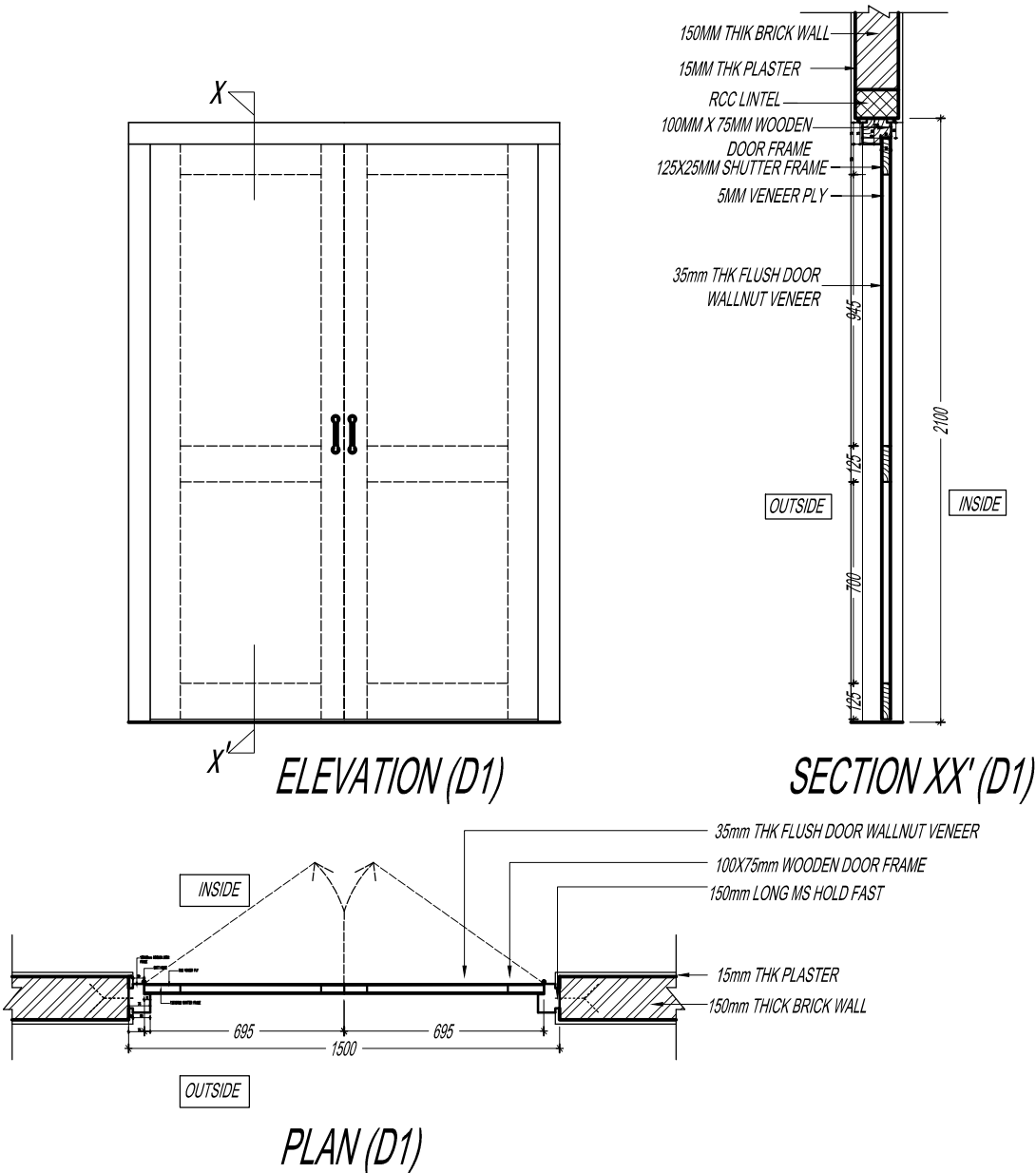
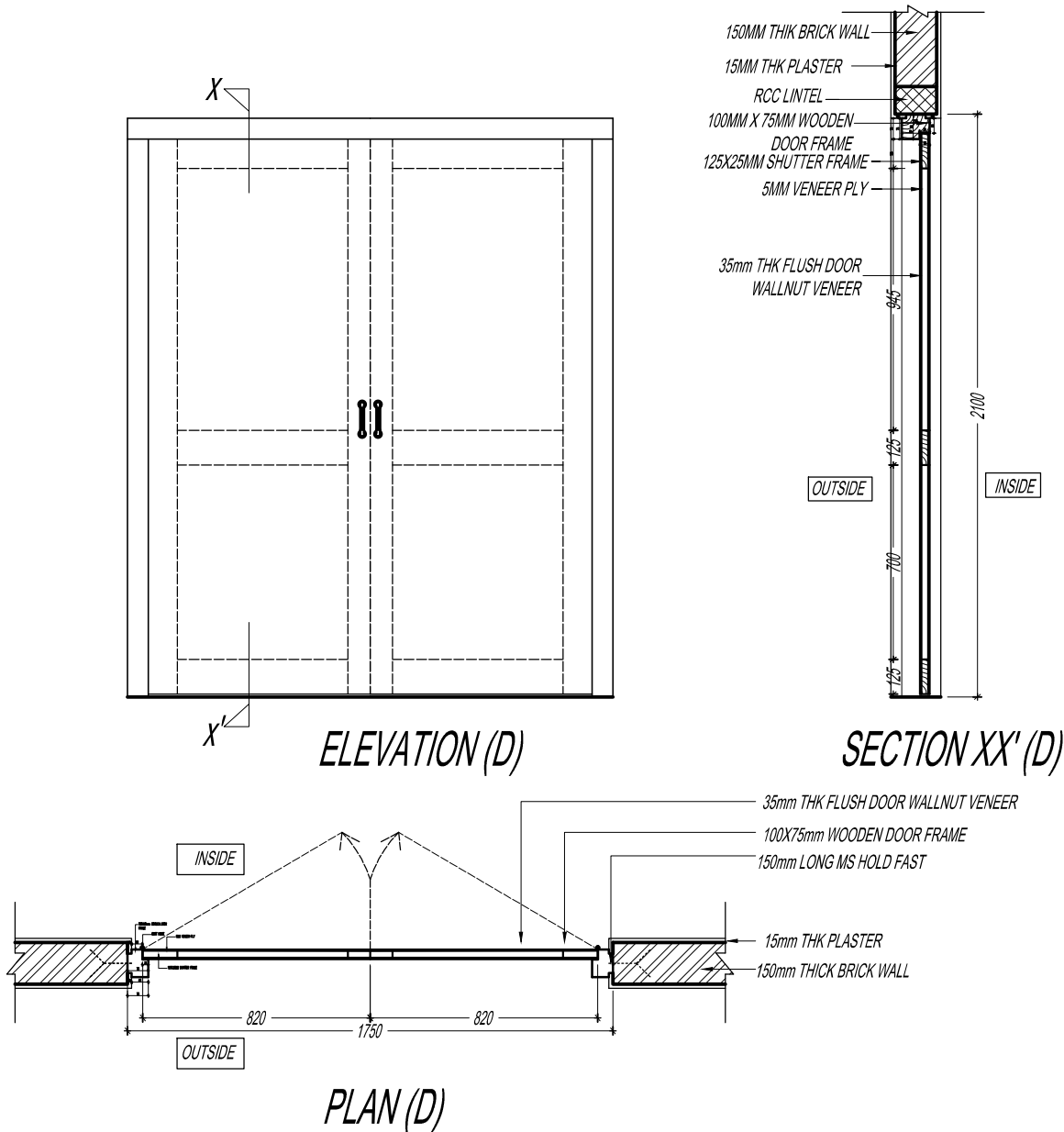
DESIGN OF SECURITY
QUARTERS

Drawing Title

DINNING HALL

DOOR DETAILS

Scale	1:25
Date	DEC 27TH 2016
Drawn By	TSHEWANG GYELTSHEN
Design By	DINESH
Drawing Number	GEL AIRPORT DH DW 01
LEAPP Project Code	----



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Legend

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Leading Edge Aviation Planning Professionals
Civil Engineering Consultant
Gyaltshen Consultancy

Project Title

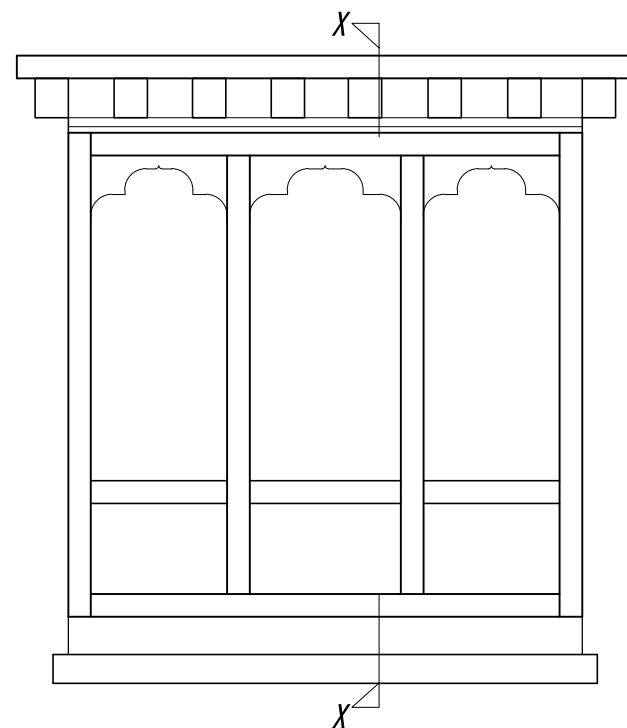
GELEPHU DOMESTIC AIRPORT
DESIGN & SUPERVISIONDESIGN OF SECURITY
QUARTERS

Drawing Title

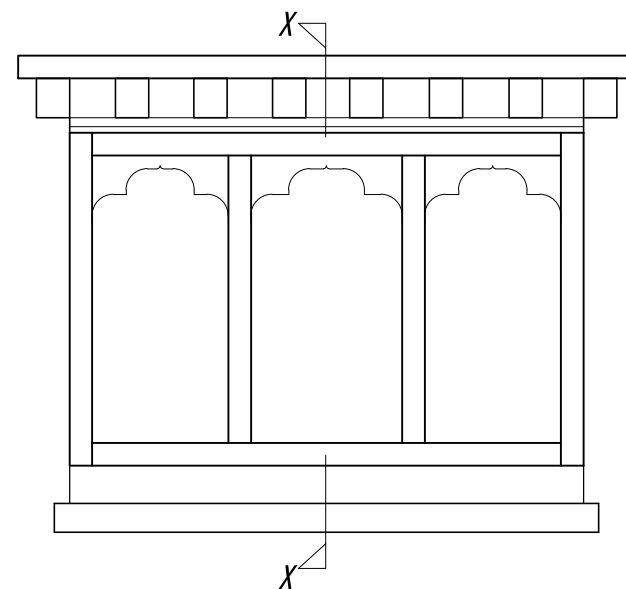
DINNING HALL

WINDOW DETAILS

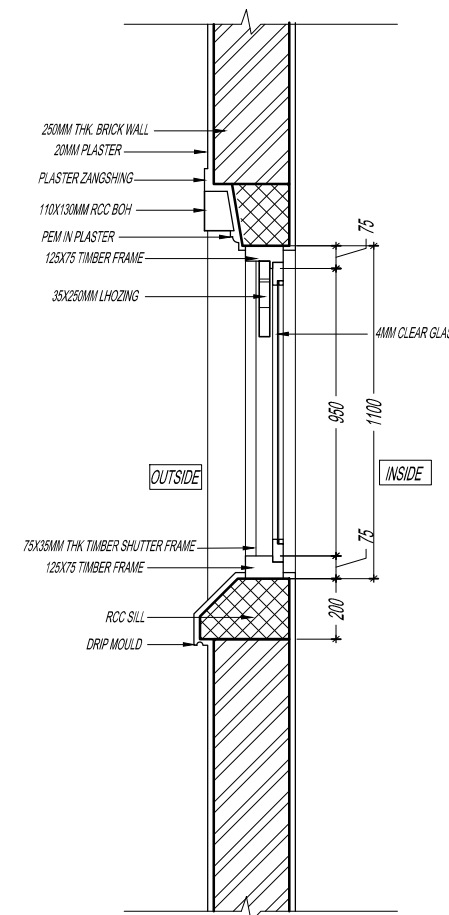
Scale	1:25
Date	DEC 27TH 2016
Drawn By	TSHEWANG GYELTSHEN
Design By	DINESH
Drawing Number	GEL AIRPORT DH DW 02
LEAPP Project Code	----



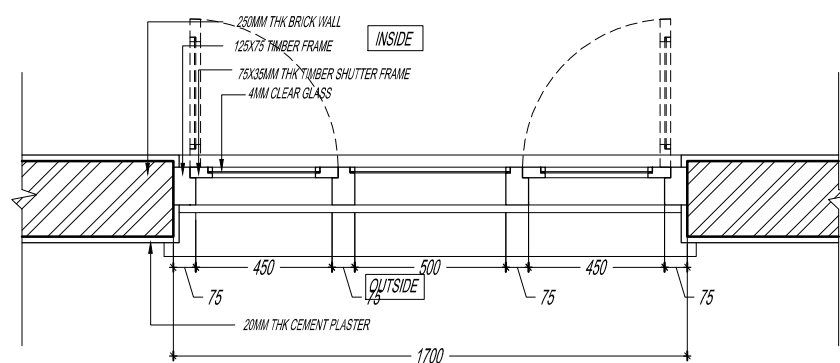
ELEVATION (W)



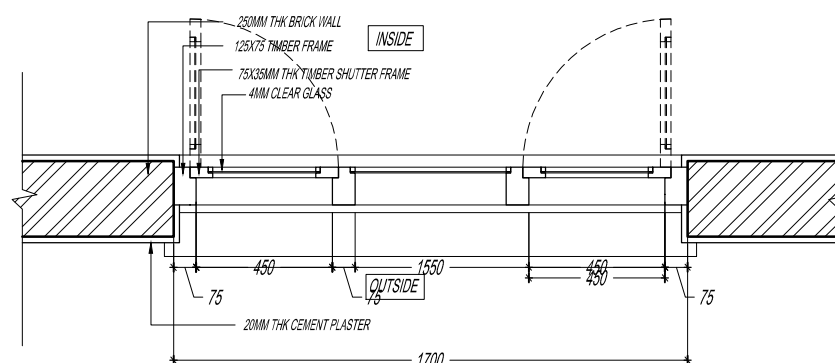
ELEVATION (W1)



SECTION XX' (W1)



PLAN (W)



PLAN (W1)



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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

DINNING HALL

DOOR AND WINDOW
SCHEDULE

Scale	NTS
Date	DEC 27TH 2016
Drawn By	TSHEWANG GYELTSHEN
Design By	DINESH
Drawing Number	GEL AIRPORT DH DW 03
LEAPP Project Code	----

DOOR SCHEDULE

Sl.No.	Opening	Size	Sill Height	Quantity in Ground Floor	Total Quantity	Remarks
1	D	1750 x 2100	————	1	1	flushed door
2	D1	1500 x 2100	————	3	3	flushed door

NOTE:

THE DOOR HEIGHT IS TAKEN FROM THE FINISHED FLOOR LEVEL AND NOT FROM THE TOP OF THE SLAB. REMEMBER TO TAKE EXTRA HEIGHT FOR THE DOOR FRAMES TO EMBED IT INTO THE FLOOR. THE EXTRA HEIGHT FOR THE DOOR FRAMES WILL DEPEND ON THE FLOOR FINISH.

SCHEDULE OF WINDOWS

Sl.No.	Opening	Size	Sill Height	Quantity in Ground Floor	Total Quantity	Remarks
1	W	1700 x 1600	500	10	10	Dinning Window
2	W1	1700 x 1100	1000	4	4	Kitchen Window

NOTE:

All sill heights are calculated from the top of the slab level.
The sill height for the ventilator in the toilet is calculated from the top of the slab level of the rooms and not from the top of drop slab level if any.

PROJECT: PROPOSED DESIGN OF SECURITY QUARTERS AT GELEPHU AIRPORT.

CLIENT: DEPARTMENT OF AIR TRANSPORT.

BUILDING: DINNING HALL.

KITCHEN DRAWINGS

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Gyaltshen consultancy

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Legend

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

Project Title

GELEPHU DOMESTIC AIRPORT
DESIGN & SUPERVISION

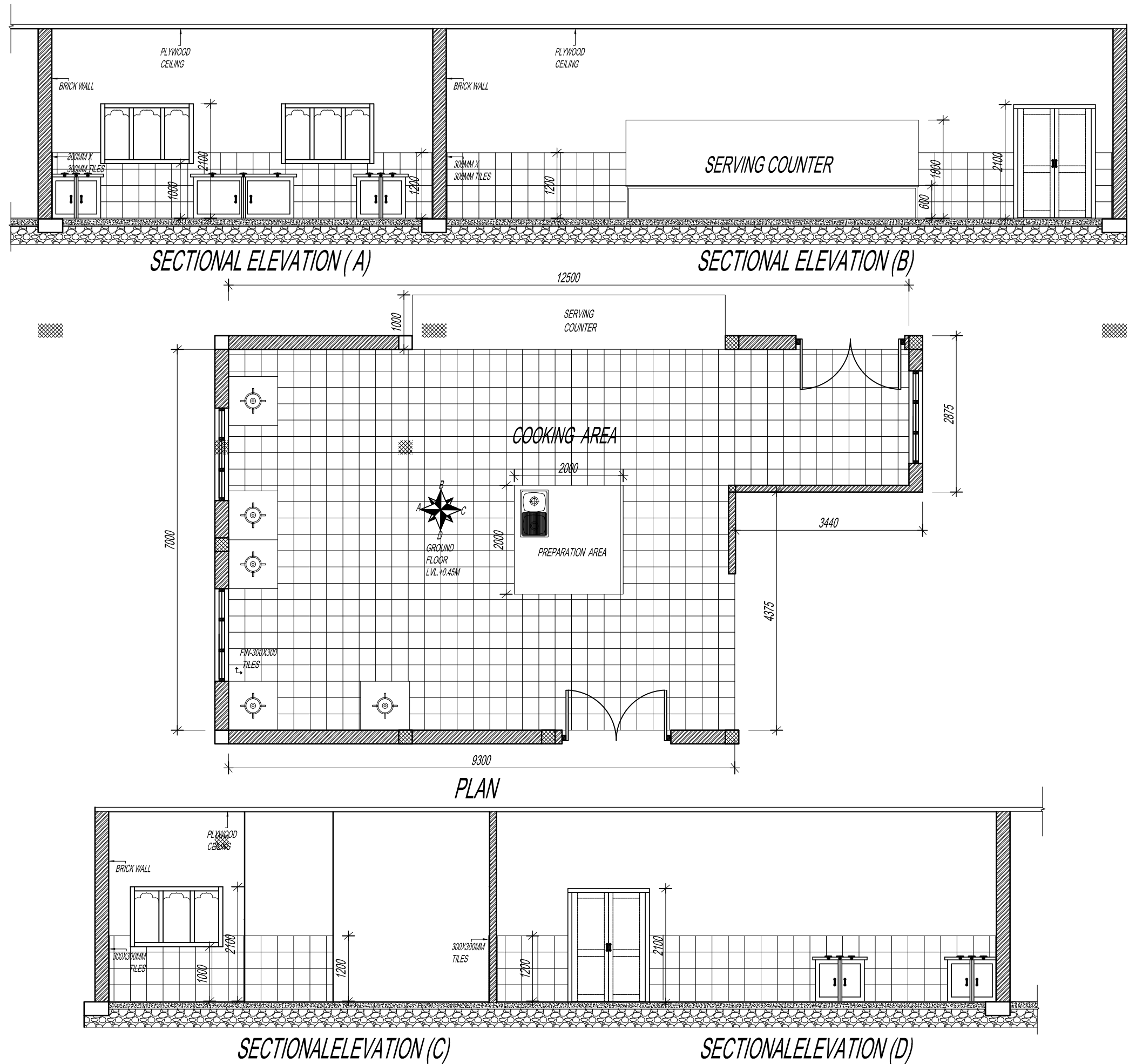
DESIGN OF SECURITY QUARTERS

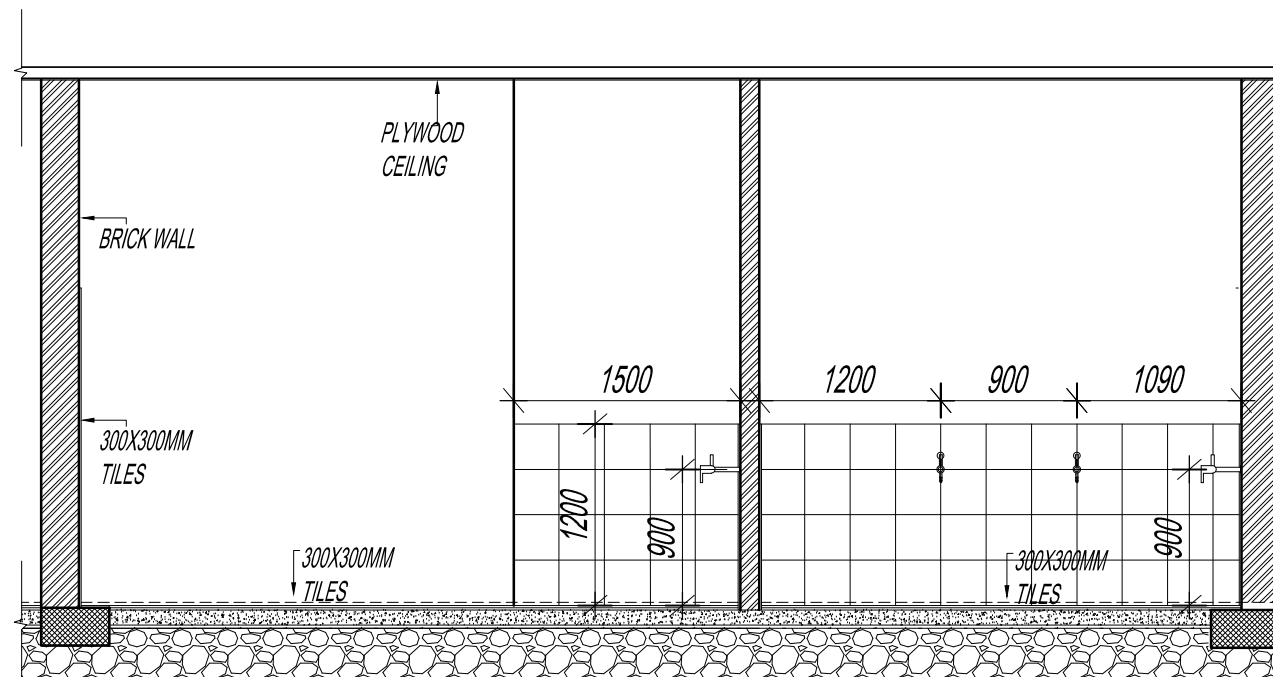
Drawing Title

DINNING HALL

KITCHEN DETAILS

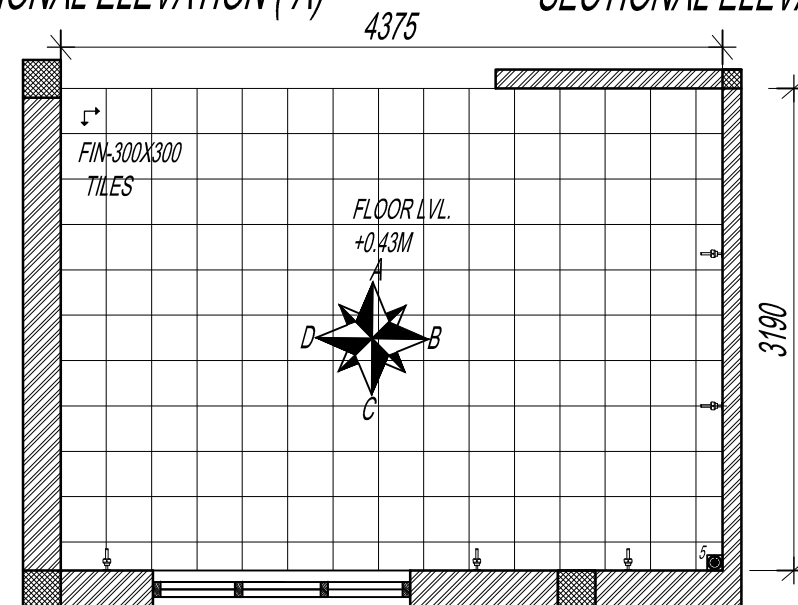
Scale	1:75
Date	DEC 27TH 2016
Drawn By	TSHEWANG GYELTSHEN
Design By	DINESH
Drawing Number	GEL AIRPORT DH KD 01
LEAPP Project Code	----



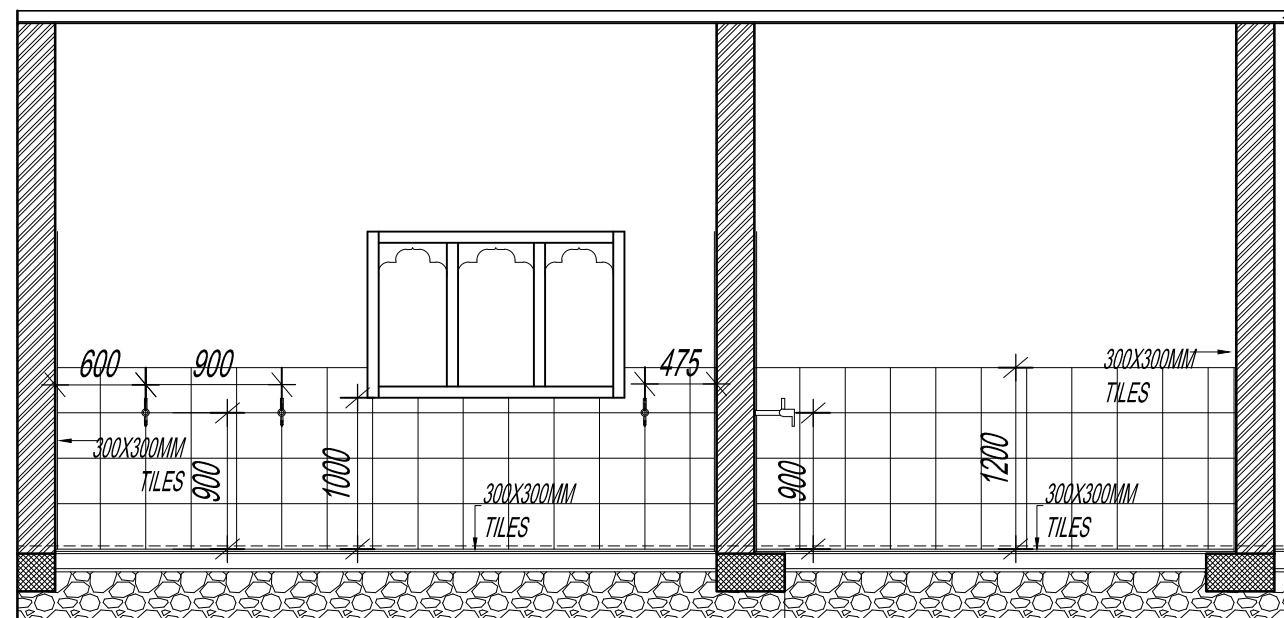


SECTIONAL ELEVATION (A)

SECTIONAL ELEVATION (B)



PLAN



SECTIONAL ELEVATION (C)

SECTIONAL ELEVATION (D)

DISH WASHING



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

DINNING HALL

KITCHEN DETAILS

Scale	1:50
Date	DEC 27TH 2016
Drawn By	TSHEWANG GYELTSHEN
Design By	DINESH
Drawing Number	GEL AIRPORT DH KD 02
LEAPP Project Code	----

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

KACHEN AND RAILING DRAWINGS

SUBMITTED BY:

Gyaltshen consultancy



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

DINNING HALL

ENTRANCE PORCH &
KACHEN DETAILS

Scale 1:50

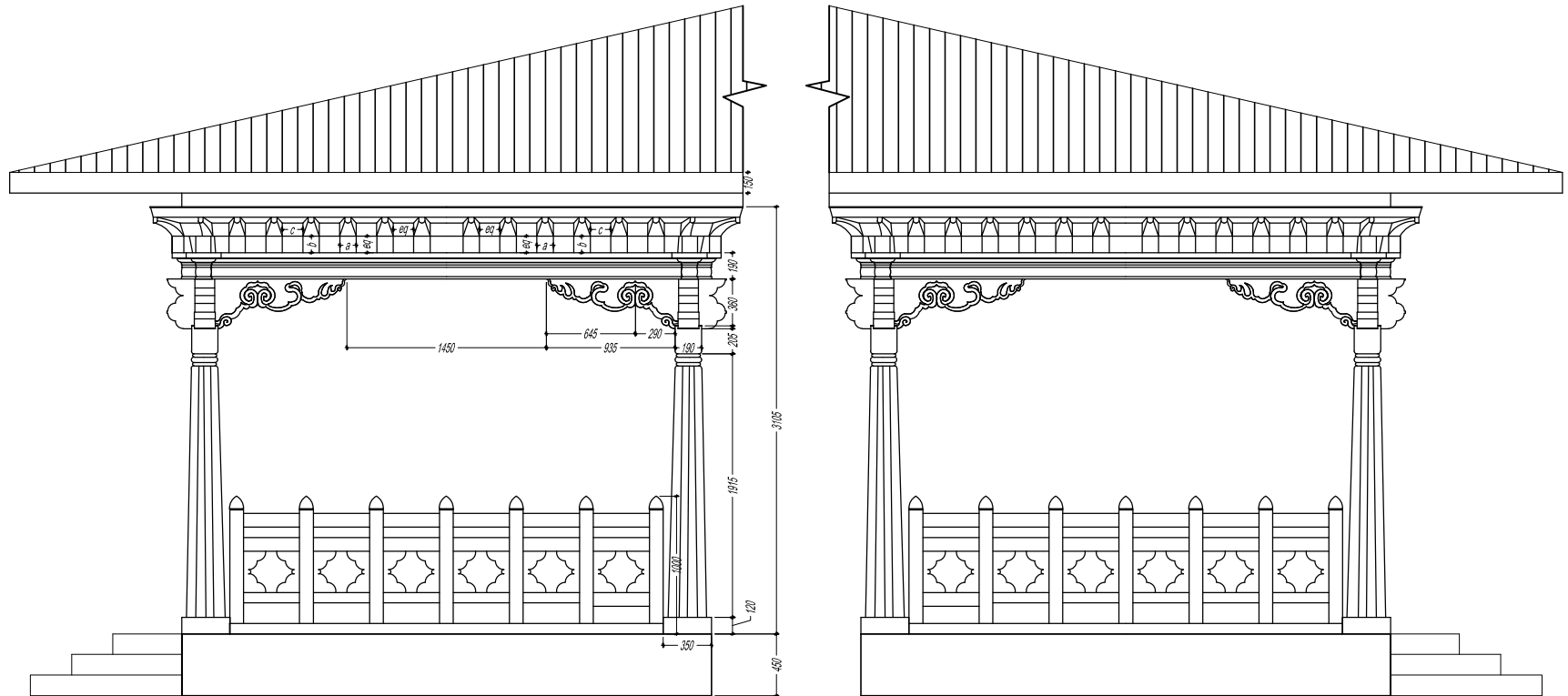
Date DEC 27TH 2016

Drawn By TSHEWANG GYELTSHEN

Design By DINESH

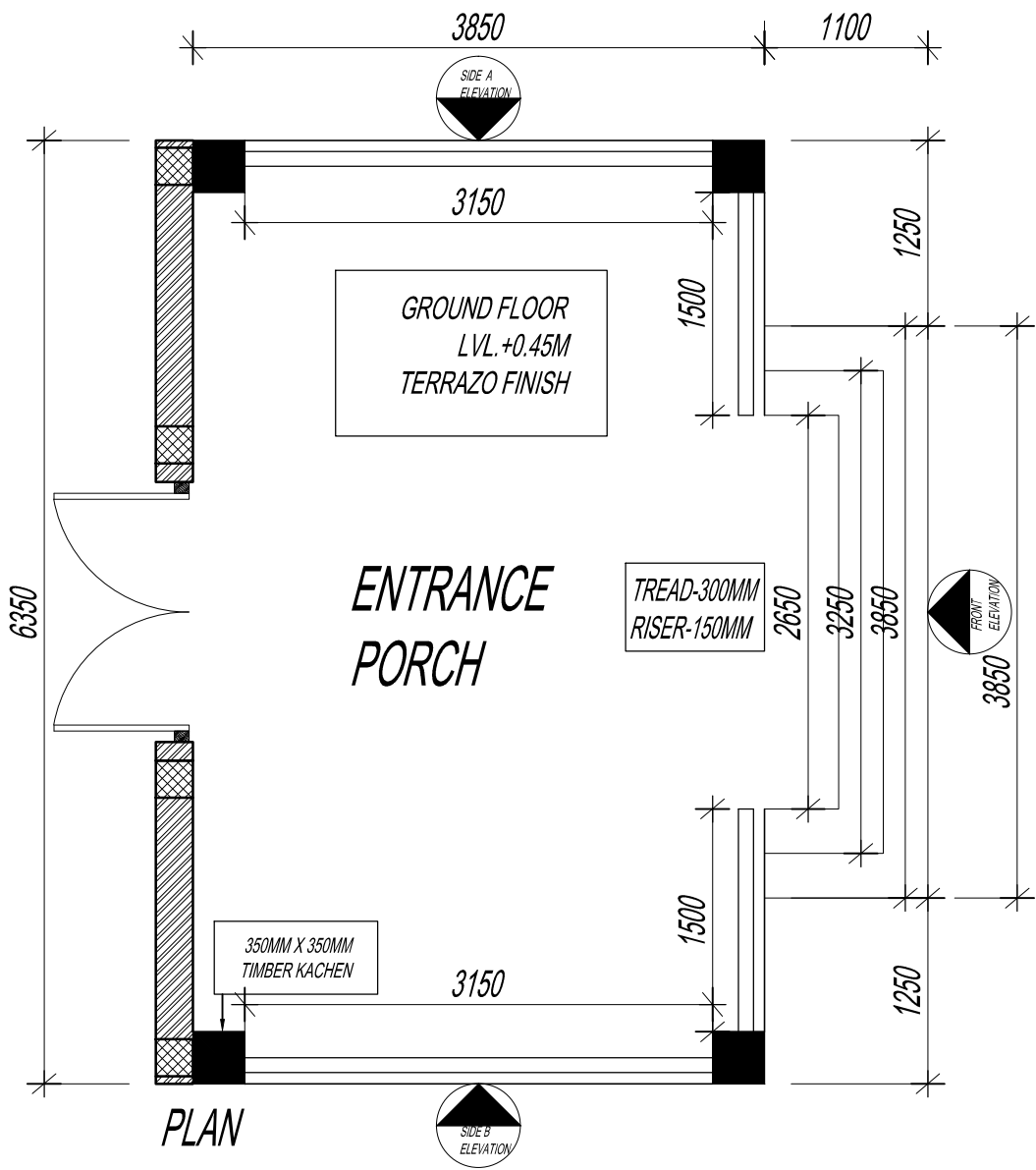
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GEL AIRPORT DH R 01

LEAPP Project Code

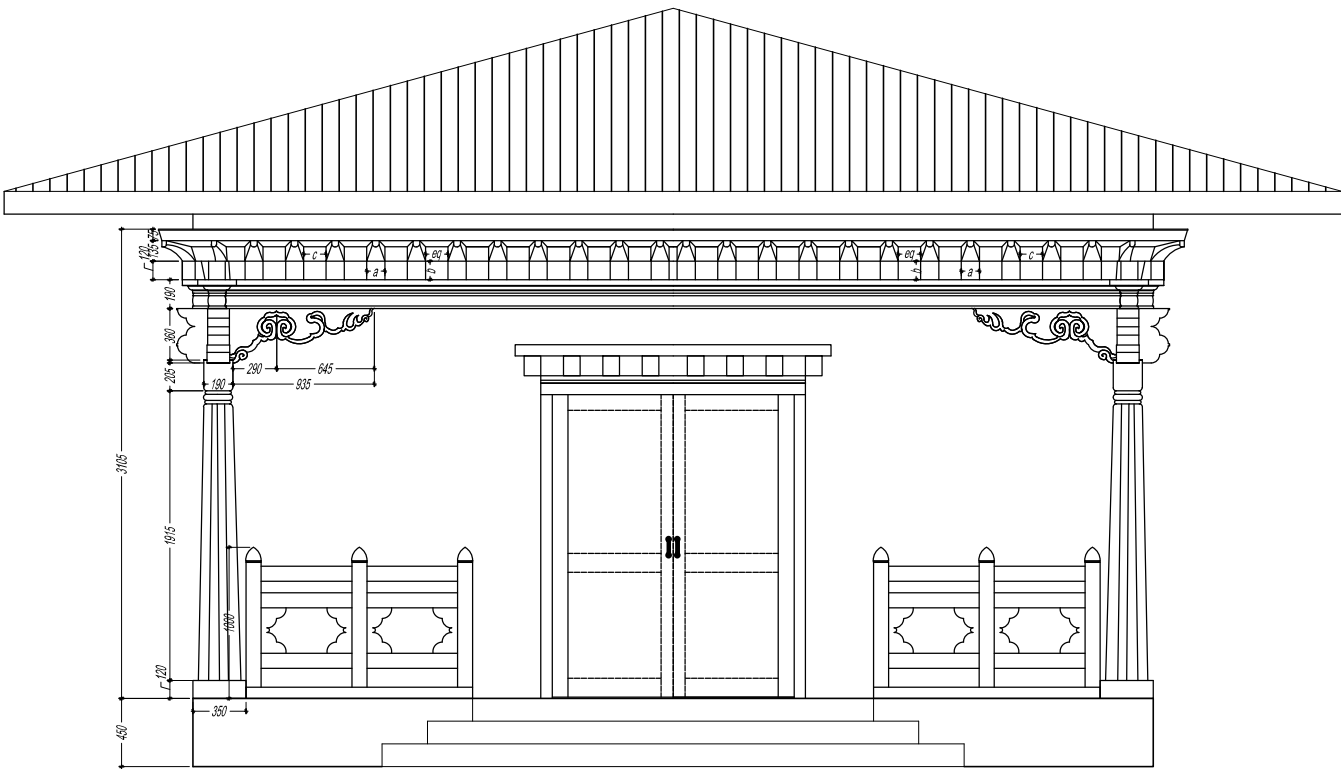


SIDE A ELEVATION

SIDE B ELEVATION



PLAN

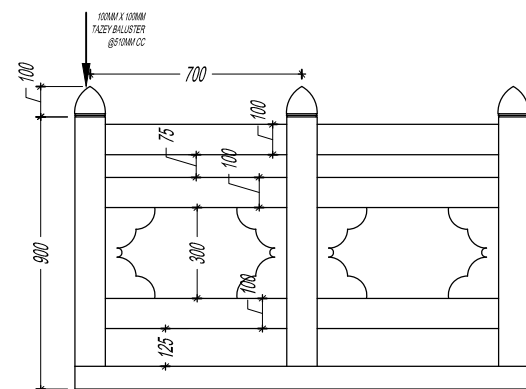


FRONT ELEVATION

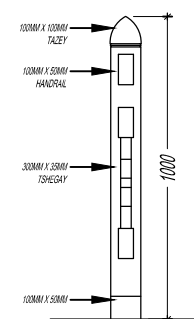
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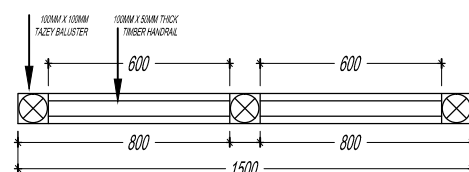
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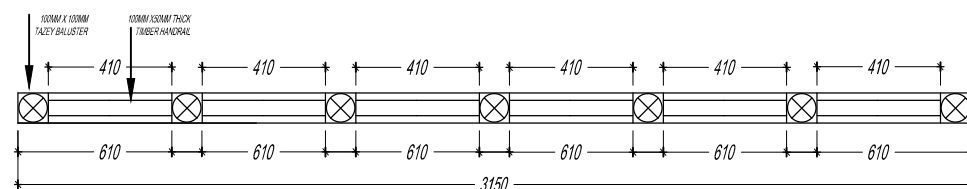
ELEVATION (T2)



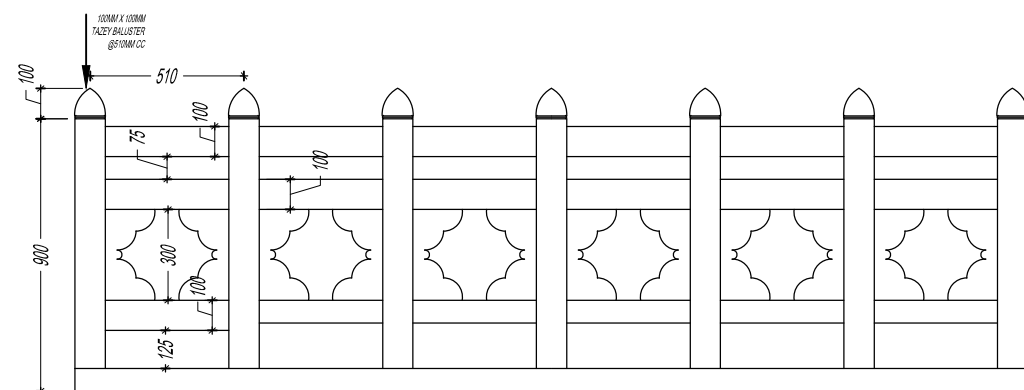
SECTION (XX')



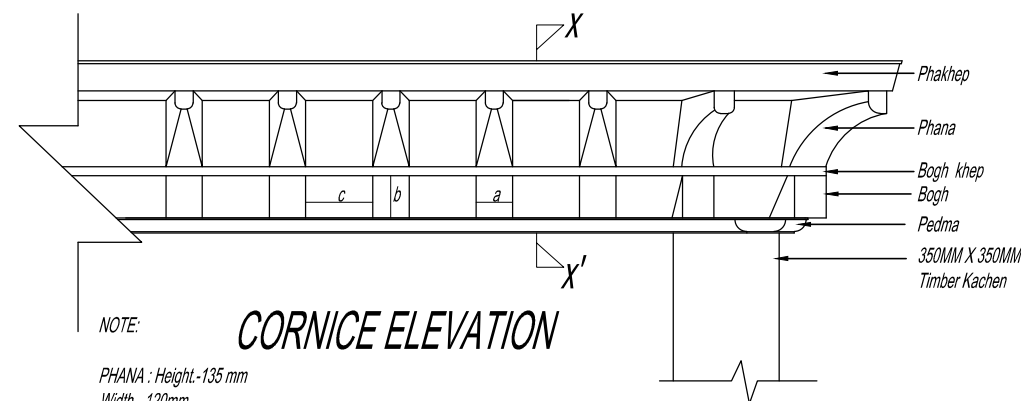
PLAN (T2)



PLAN (T1)



ELEVATION (T1)



NOTE:

CORNICE ELEVATION

PHANA : Height - 135 mm

Width - 120mm

BOH : a - 120MM

b - 120MM

Spacing between the bohs: c = 150MM (Approx.)

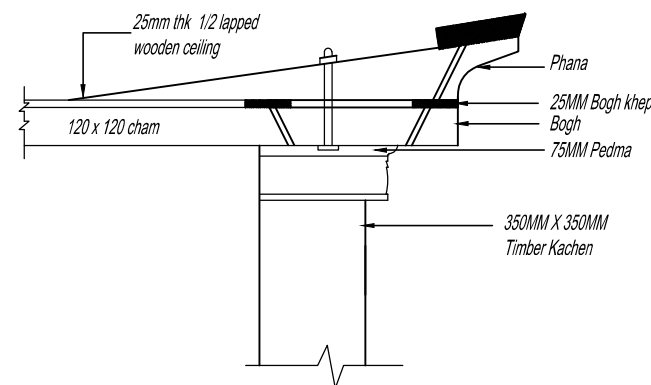
There will be plus or minus for spacings

but the number of bohs shown should be implemented

Dung : 130 mm

Pem : 50mm

Dung projection from face of wall : 150mm



SECTION (XX')

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 AIRPORT
DESIGN & SUPERVISIONDESIGN OF SECURITY
QUARTERS

Drawing Title

DINNING HALL

TAZEI RAILING &
CORNICE

DETAILS

Scale 1:25

Date DEC 27TH 2016

Drawn By TSHEWANG GYELTSHEN

Design By DINESH

Drawing Number
GEL AIRPORT DH R 02

LEAPP Project Code



ROYAL GOVERNMENT OF BHUTAN
CIVIL AVIATION DEPARTMENT

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Project Title

GELEPHU DOMESTIC AIRPC
DESIGN & SUPERVISION

DESIGN OF SECURITY
QUARTERS

Drawing Title

DINNING HALL

BALCONY DETAILS

Scale 1:50

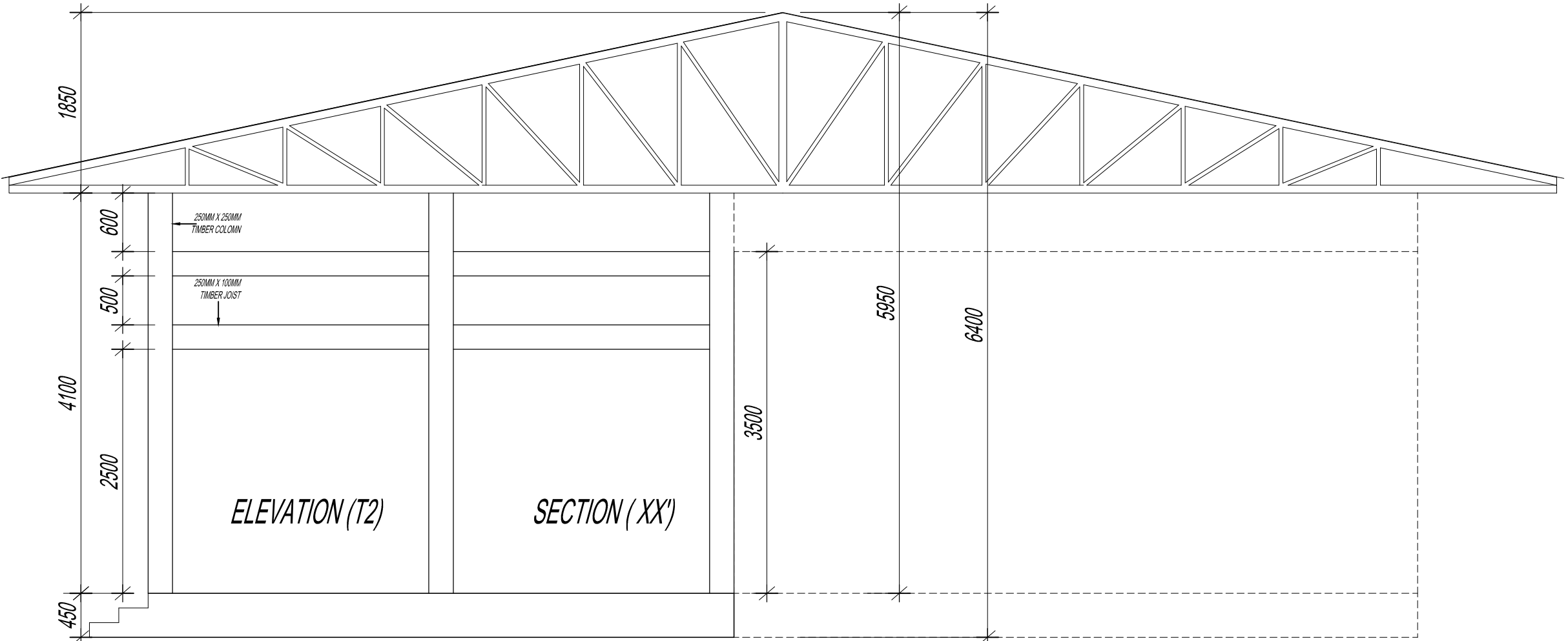
Date DEC 27TH 2016

Drawn By TSHEWANG GYELTSHEN

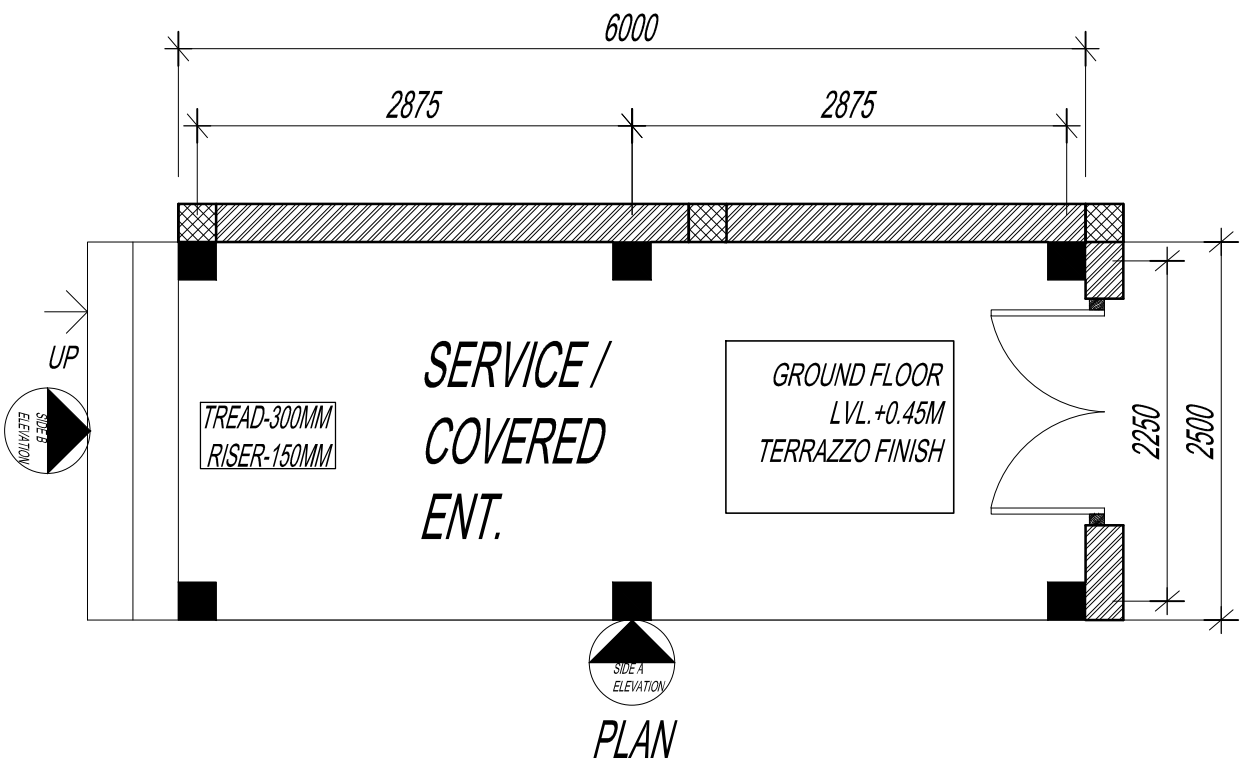
Design By DINESH

Drawing Number
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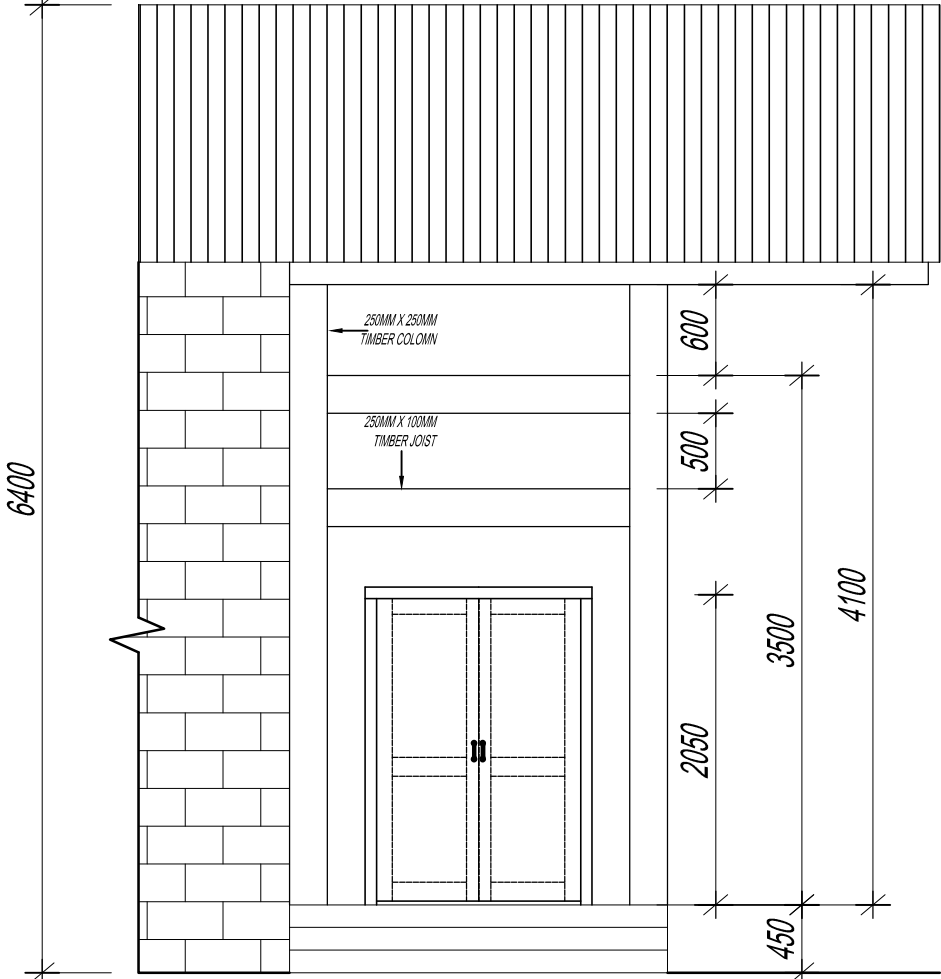
LEAPP Project Code



SECTIONAL ELEVATION (A) SHOWING ROOF TRUSS



PLAN



SIDE B ELEVATION

PROJECT: PROPOSED DESIGN OF SECURITY QUARTERS AT GELEPHU AIRPORT.

CLIENT: DEPARTMENT OF AIR TRANSPORT.

BUILDING: DINNING HALL.

CEILING DRAWINGS

SUBMITTED BY:

Gyaltshen consultancy



ROYAL GOVERNMENT OF BHUTAN
CIVIL AVIATION DEPARTMENT

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
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THE CONSULTANTS/SUPERVISION TEAM
-MINOR ADJUSTMENTS NEED TO BE CARRIED OUT ON SITE TO MATCH WITH I
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 AIRPORT
DESIGN & SUPERVISION

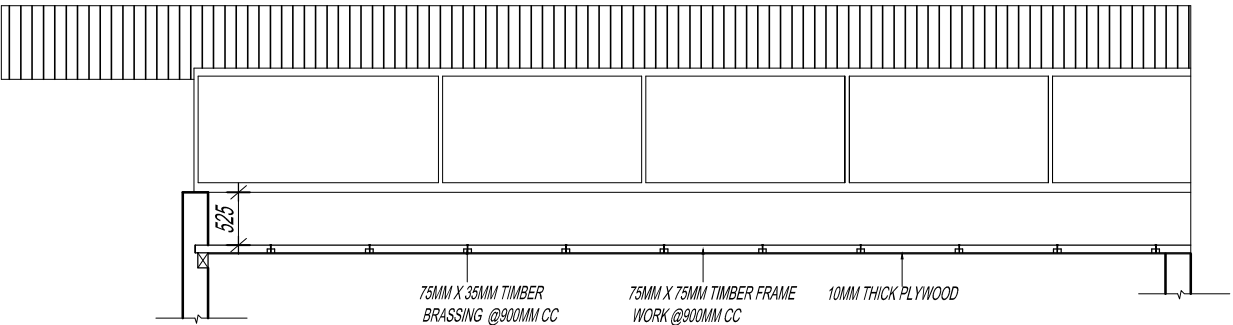
DESIGN OF SECURITY
QUARTERS

Drawing Title

DINNING HALL

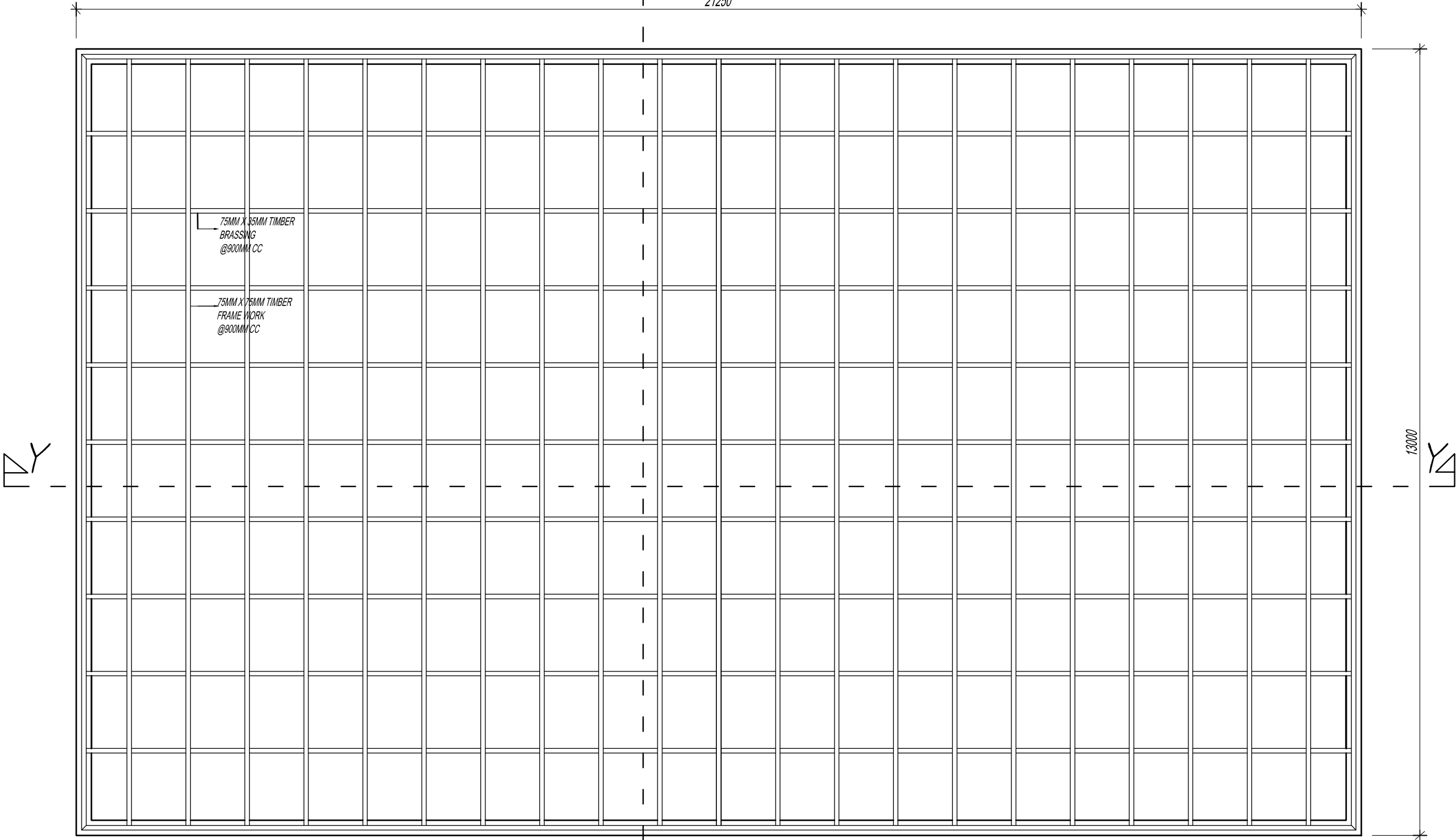
CEILING DETAILS

Scale	1:75
Date	DEC 27TH 2016
Drawn By	TSHEWANG GYELTSHEN
Design By	DINESH
Drawing Number	GEL AIRPORT DH CD 01
LEAPP Project Code	----



SECTION YY'

21250



PLAN

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

PLUMBING AND SEWER DRAWINGS

SUBMITTED BY:

Gyaltshen consultancy



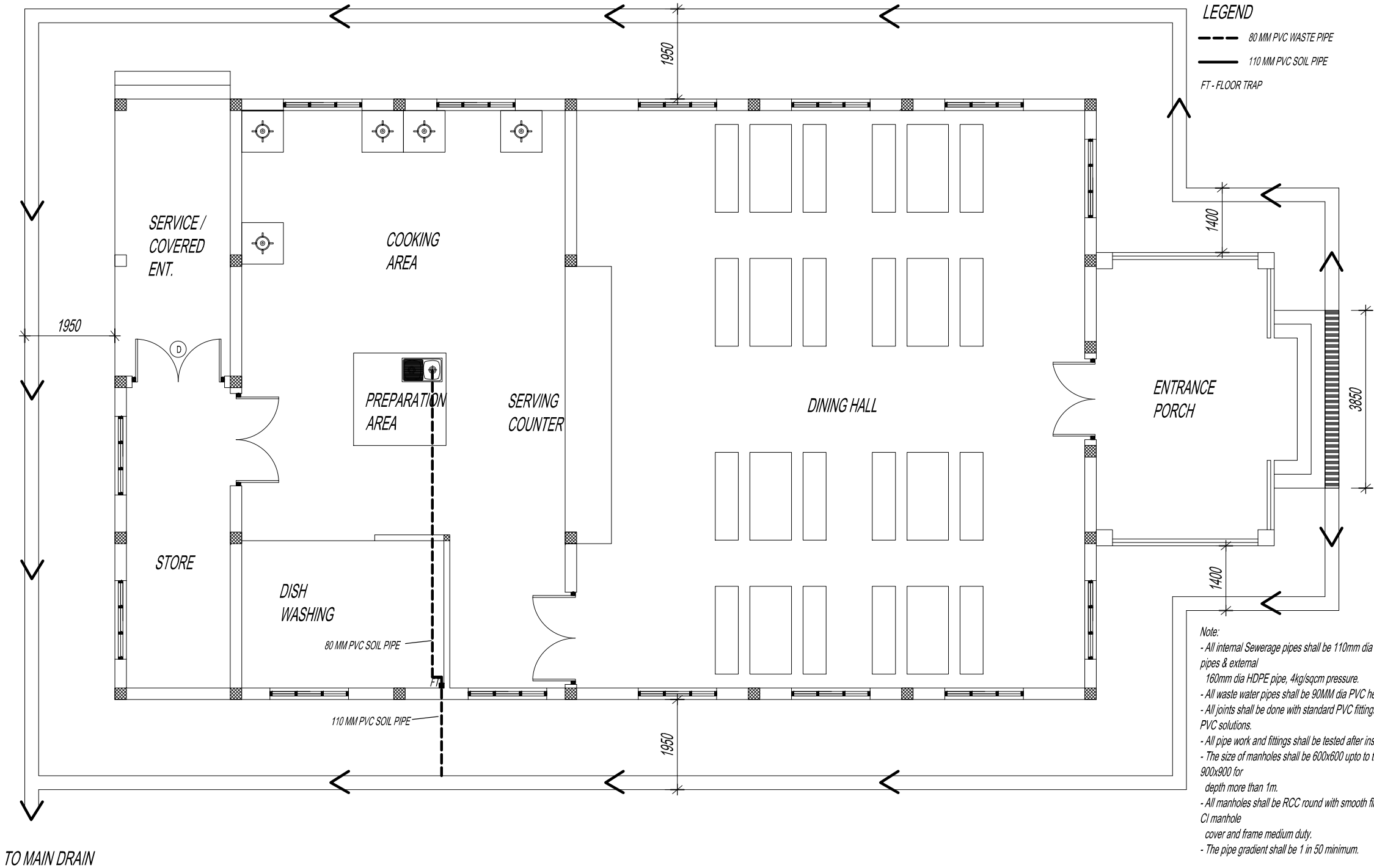
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BUILDING

Legend

LEGEND

--- 80 MM PVC WASTE PIPE
— 110 MM PVC SOIL PIPE
FT - FLOOR TRAP



Note:
- All internal Sewerage pipes shall be 110mm dia heavy duty PVC pipes & external 160mm dia HDPE pipe, 4kg/sqcm pressure.
- All waste water pipes shall be 90MM dia PVC heavy duty pipes.
- All joints shall be done with standard PVC fittings with application of PVC solutions.
- All pipe work and fittings shall be tested after installation.
- The size of manholes shall be 600x600 upto to the depth of 1m and 900x900 for depth more than 1m.
- All manholes shall be RCC round with smooth finish inside fitted with CI manhole cover and frame medium duty.
- The pipe gradient shall be 1 in 50 minimum.

No.	Revision	Date

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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

DINNING HALL

DRAINAGE PLAN

Scale	1:100
Date	DEC 27TH 2016
Drawn By	TSHEWANG GYELTSHEN
Design By	DINESH
Drawing Number	GEL AIRPORT DH PL 01
LEAPP Project Code	----



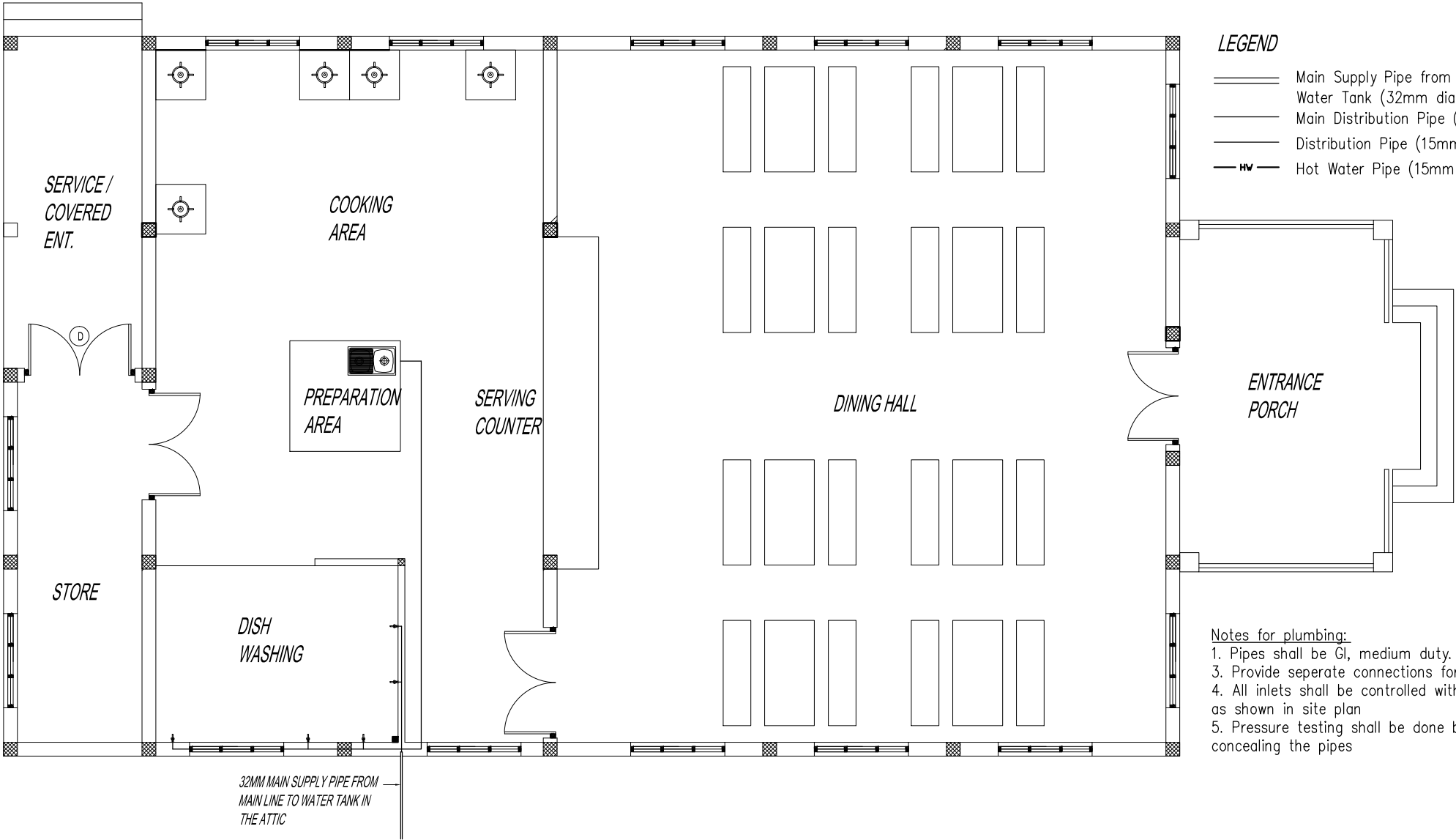
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BUILDING

Legend

LEGEND

- Main Supply Pipe from Water Tank (32mm dia)
- Main Distribution Pipe (20mm dia)
- Distribution Pipe (15mm dia)
- Hot Water Pipe (15mm dia)



Notes for plumbing:
1. Pipes shall be GI, medium duty.
3. Provide separate connections for GF & FF
4. All inlets shall be controlled with gate valve as shown in site plan
5. Pressure testing shall be done before concealing the pipes

No.	Revision	Date

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Royal Government of Bhutan Civil Aviation Dep:
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Civil Engineering Consultant
Gyaltshen Consultancy

Project Title

GELEPHU DOMESTIC AIRPORT
DESIGN & SUPERVISION

DESIGN OF SECURITY
QUARTERS

Drawing Title

DINNING HALL

WATER SUPPLY PLAN

Scale	1:100
Date	DEC 27TH 2016
Drawn By	TSHEWANG GYELTSHEN
Design By	DINESH
Drawing Number	GEL AIRPORT DH PL 02
LEAPP Project Code	----