



ROYAL GOVERNMENT OF BHUTAN
DEPARTMENT OF AIR TRANSPORT

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

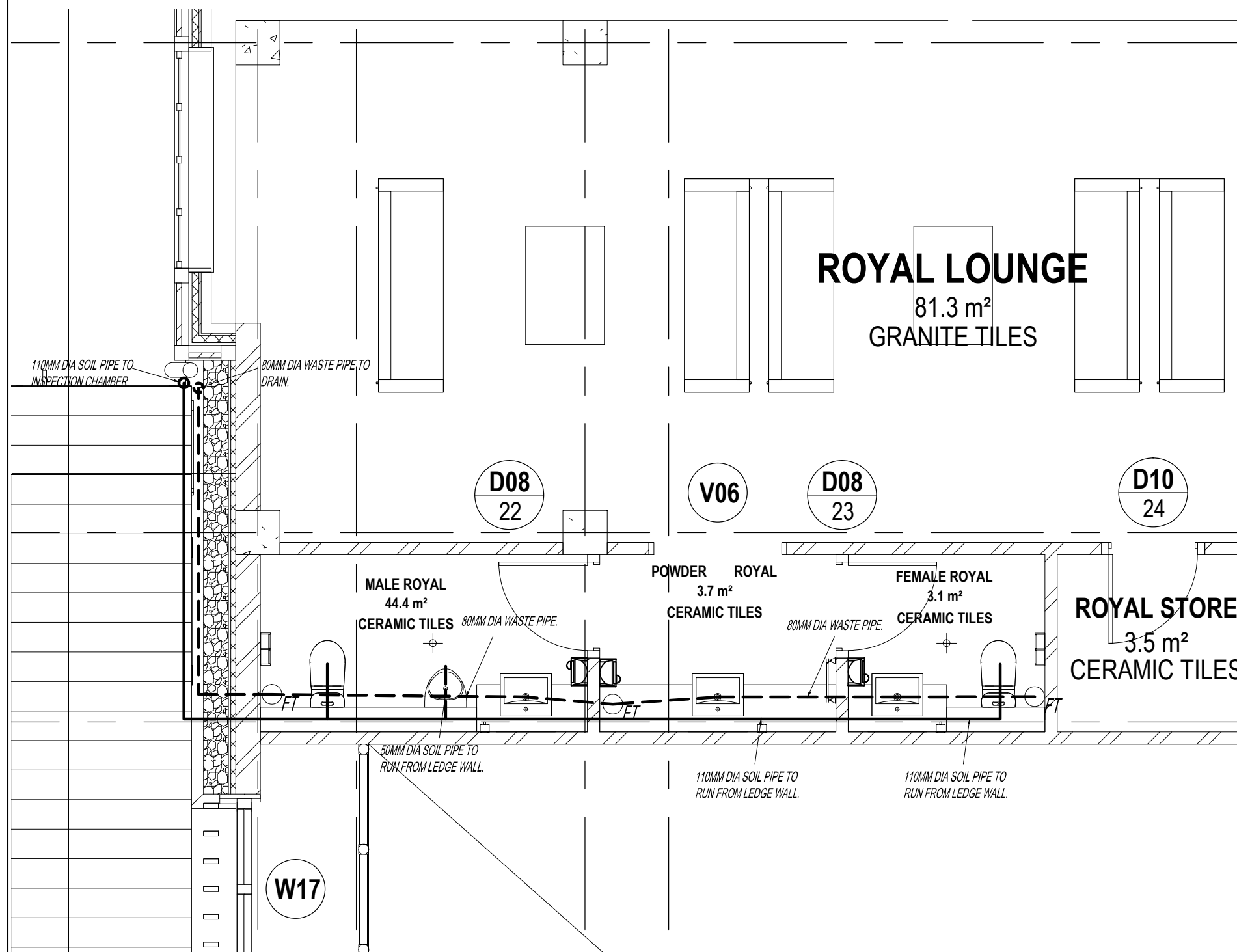
Client
Ministry of Information and Communications
Department of Air Transport
Aviation Planners & Engineers
Leading Edge Aviation Planning Professionals
Architect
Tullamore Group
Civil Engineering Consultant
Gyaltshen Consultancy
Project Title

BHUTAN DOMESTIC AIRPORT
DESIGN AND SUPERVISION
BUMTHANG AIRPORT
PASSENGER TERMINAL.

Drawing Title

FIRST FLOOR
SEWER LAYOUT
ROYAL LOUNGE TOILET

Scale	1:50 @ A3	Rev
Date	JAN 2017	R0
Drawn By	TSHEWANG GYELTSHEN	
Design By	DINESH	
Drawing Number	12246 SW 07	
LEAPP Project Code	12246	



LEGEND

- 80 MM PVC WASTE PIPE
- 110 MM PVC WASTE PIPE
- 110 MM PVC SOIL PIPE
- 50 MM PVC SOIL PIPE

FT - FLOOR TRAP

IC - INSPECTION CHAMBER

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 80MM 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.



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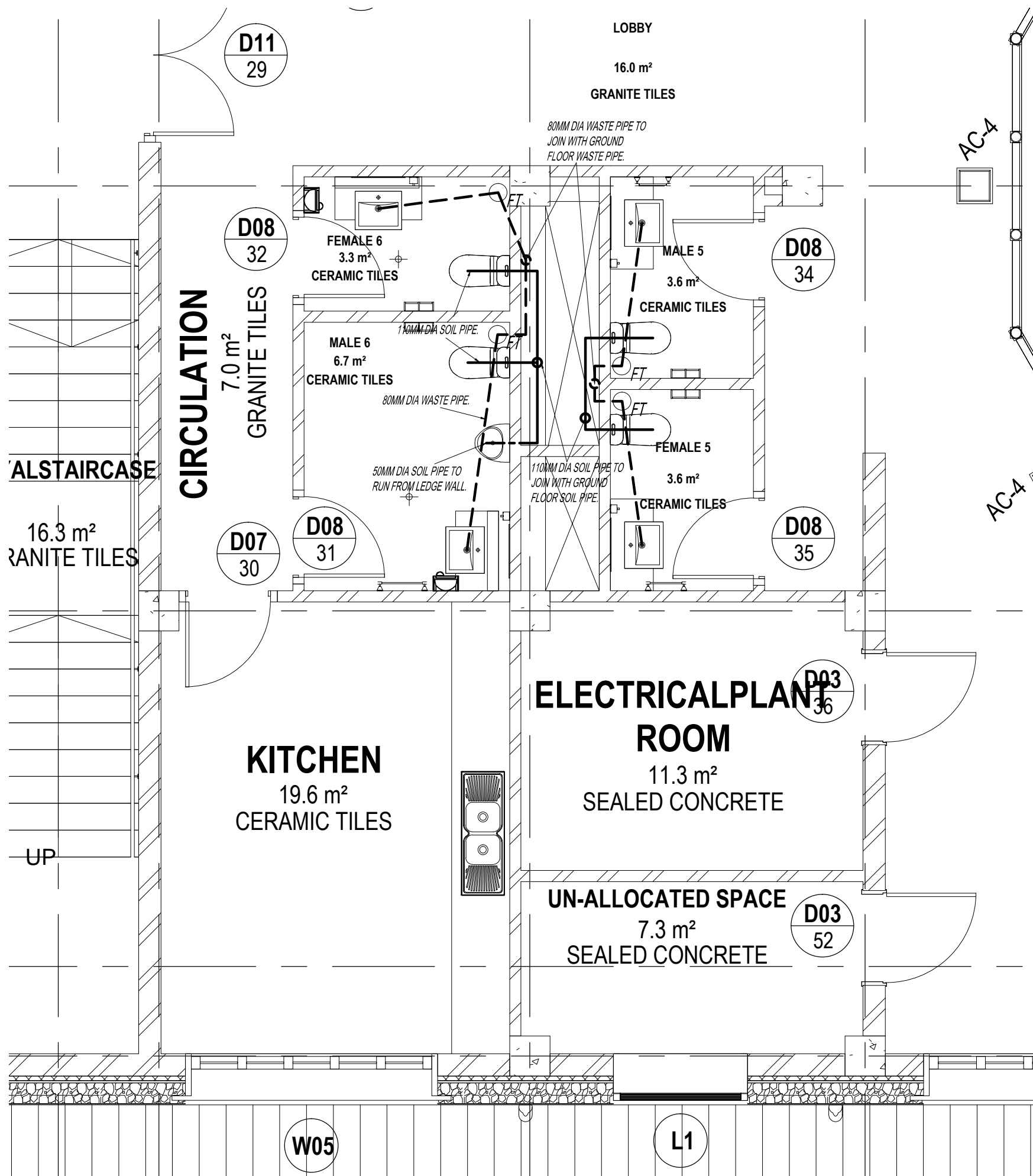
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BHUTAN DOMESTIC AIRPORT
DESIGN AND SUPERVISION
BUMTHANG AIRPORT
PASSENGER TERMINAL.

Drawing Title

FIRST FLOOR
SEWER LAYOUT
VIP TOILET

Scale	1:50 @ A3	Rev
Date	JAN 2017	R0
Drawn By	TSHEWANG GYELTSHEN	
Design By	DINESH	
Drawing Number	12246 SW 08	
LEAPP Project Code	12246	



LEGEND

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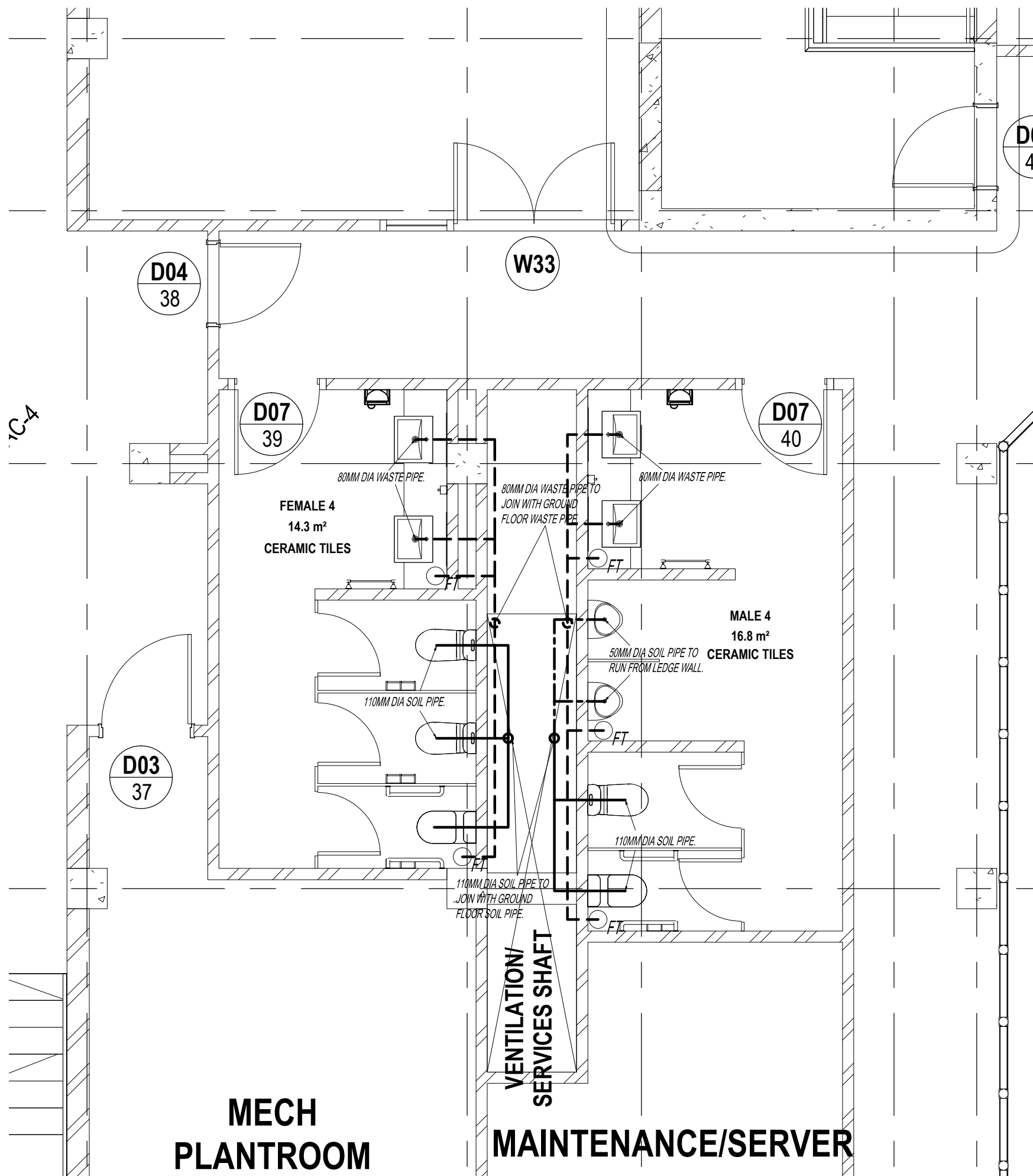
Client
Ministry of Information and Communications Department of Air Transport
Aviation Planners & Engineers Leading Edge Aviation Planning Professionals
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Tullamore Group
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Project Title

BHUTAN DOMESTIC AIRPORT
DESIGN AND SUPERVISION
BUMTHANG AIRPORT
PASSENGER TERMINAL.

Drawing Title

FIRST FLOOR
SEWER LAYOUT
VIP TOILET

Scale	1:50 @ A3
Date	JAN 2017
Drawn By	TSHEWANG GYELTSHEN
Design By	DINESH
Drawing Number	12246 SW 09
LEAPP Project Code	12246



LEGEND

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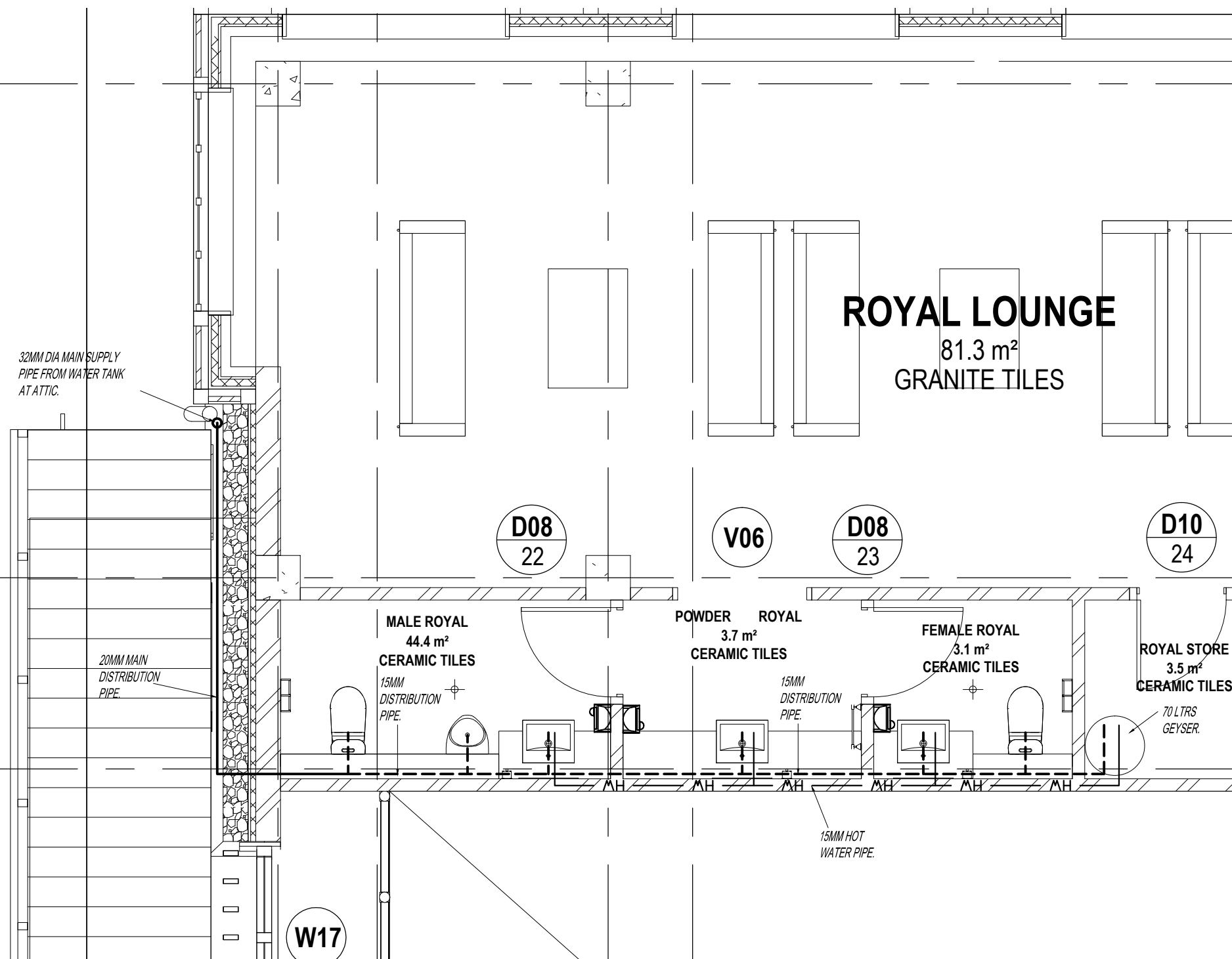
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Aviation Planners & Engineers
Leading Edge Aviation Planning Professionals
Architect
Tullamore Group
Civil Engineering Consultant
Gyaltshen Consultancy
Project Title

BHUTAN DOMESTIC AIRPORT
DESIGN AND SUPERVISION
BUMTHANG AIRPORT
PASSENGER TERMINAL.

Drawing Title

FIRST FLOOR
PLUMBING LAYOUT
ROYAL LOUNGE TOILET

Scale	1:50 @ A3	Rev
Date	JAN 2017	R0
Drawn By	TSHEWANG GYELTSHEN	
Design By	DINESH	
Drawing Number	12246 PL 06	
LEAPP Project Code	12246	

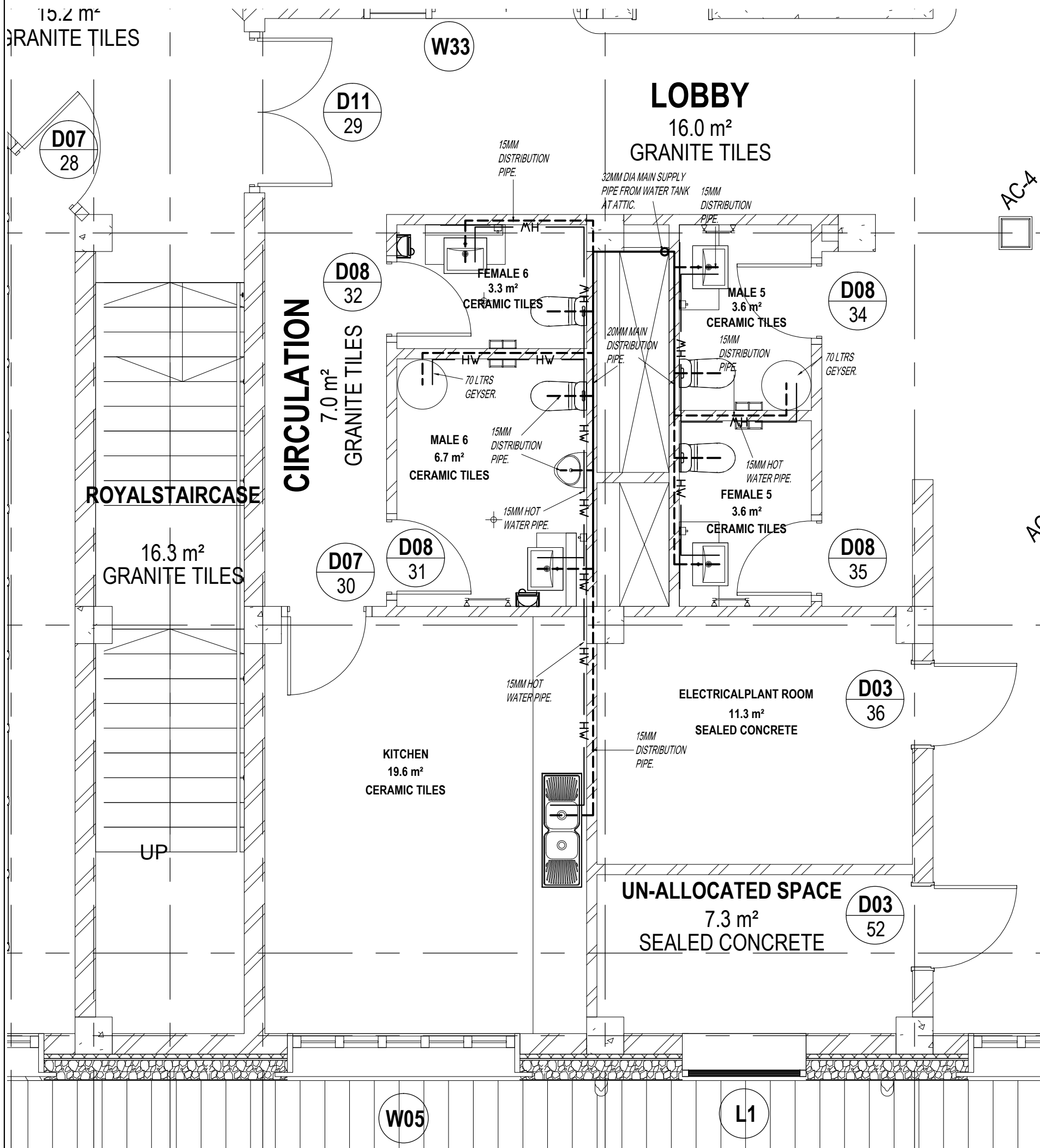


LEGEND

- 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:

- Provide separate connections for GF & FF
- All inlets shall be controlled with gate valve
- Pressure testing shall be done before concealing the pipes



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Client	Ministry of Information and Communications Department of Air Transport
Aviation Planners & Engineers	Leading Edge Aviation Planning Professionals
Architect	Tullamore Group
Civil Engineering Consultant	Gyaltshen Consultancy
Project Title	BHUTAN DOMESTIC AIRPORT DESIGN AND SUPERVISION BUMTHANG AIRPORT PASSENGER TERMINAL.

Drawing Title	FIRST FLOOR PLUMBING LAYOUT ROYAL LOUNGE TOILET
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Scale	1:50 @ A3	Rev
Date	JAN 2017	R0
Drawn By	TSHEWANG GYELTSHEN	
Design By	DINESH	
Drawing Number	12246 PL 07	
LEAPP Project Code	12246	



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Civil Engineering Consultant
Gyaltshen Consultancy

Project Title

**BHUTAN DOMESTIC AIRPORT
DESIGN AND SUPERVISION
BUMTHANG AIRPORT
PASSENGER TERMINAL.**

Drawing Title

**FIRST FLOOR
PLUMBING LAYOUT
STAFF TOILET**

Scale 1:50 @ A3

Date JAN 2017

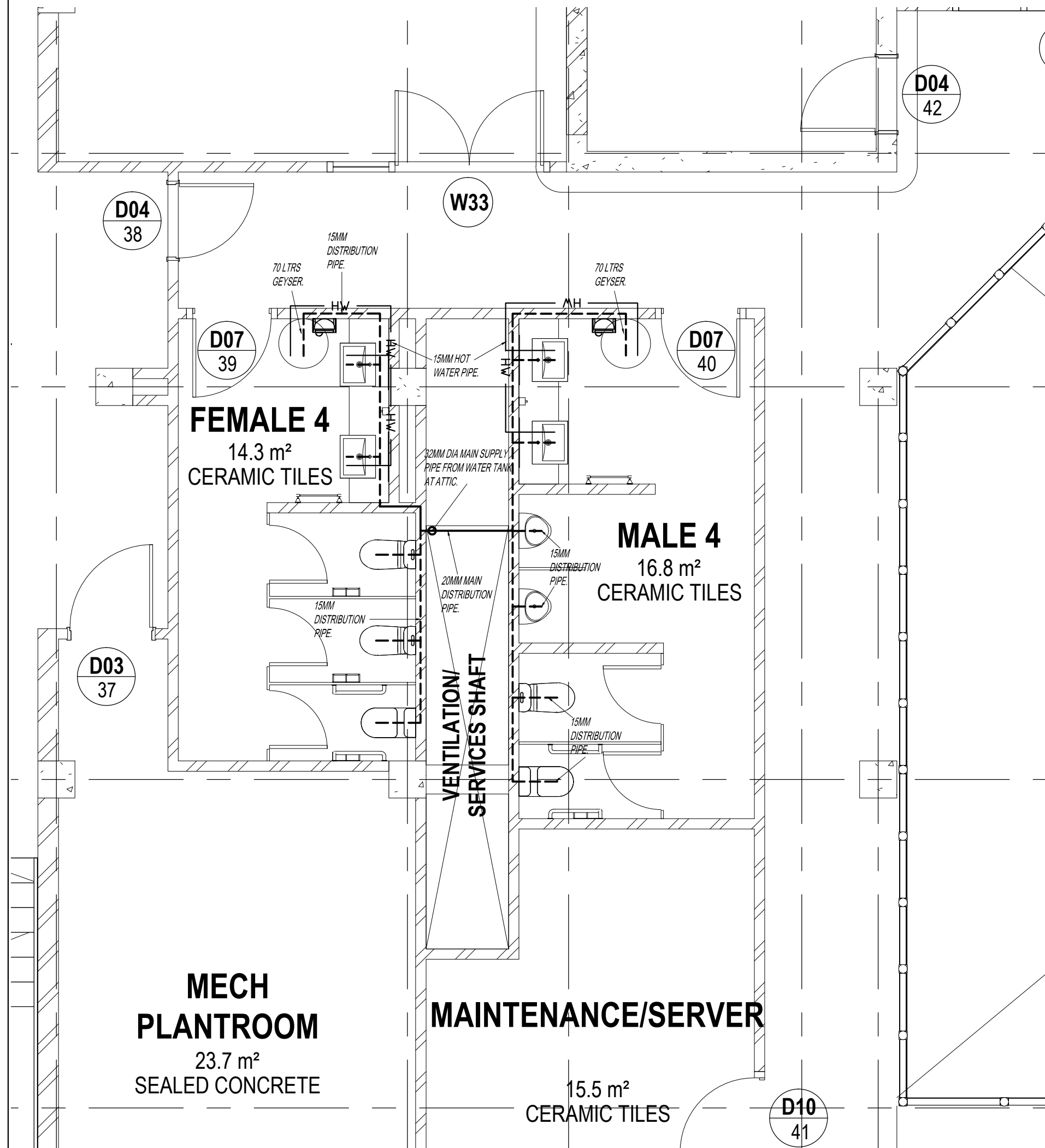
Drawn By TSHEWANG GYELTSHEN

Design By DINESH

Drawing Number
12246 PL 08

Rev
R0

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LEGEND

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