

- KEY POINTS**
- NOTES:**
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
 2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL, PUBLIC HEALTH, ELECTRICAL AND STRUCTURAL DRAWINGS.
 3. PIPES SHALL BE HEAVY DUTY GI PIPE CLASS "B" CONFORMING TO IS 1239.
 4. UNDERGROUND PIPE SHALL BE COATED AND WRAPPED AS PER IS : 10221 WITH "PYKOTE" WRAPPING COATING MATERIAL OF 4mm THICK.
 5. SLUCE VALVE SHALL BE CONFORMING TO IS : 780.
 6. THE DEPTH OF UNDERGROUND PIPE SHALL BE DECIDED AT SITE AS PER THE SITE CONDITION TO AVOID FOULING WITH OTHER SERVICES SUBJECT TO THE TOP OF THE U/G PIPE IS MINIMUM 1M BELOW FROM THE FOL.
 7. MINOR CHANGES IN THE PIPE ROUTING SHALL BE MADE TO SUIT SITE LOCATIONS WITHOUT EFFECTING DESIGN ASPECTS.
 8. MINOR CHANGES IN THE HYDRANT LOCATION SHALL BE MADE TO SUIT MACHINE/EQUIPMENT REQUIREMENT WITHOUT EFFECTING DESIGN ASPECTS.
 9. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND RESOLVED AT TENDER STAGE BEFORE COMMENCEMENT OF ANY WORK. NO FURTHER CLAIMS SHALL BE ENTERTAINED THEREAFTER.

LEGENDS:-

SR. NO.	SYMBOL	DESCRIPTION
1.	[Red line]	1500 GI CLASS "B" HYDRANT PIPE
2.	[Red circle]	SINGLE HEADED
3.	[Red square]	SINGLE HEADED YARD HYDRANT
4.	[Red circle with cross]	FIRE HOSE BOX WITH SET OF HOSE
5.	[Black circle]	BRANCH PIPE & NOZZLE
6.	[Black circle]	RUBBER FIRE HOSE (#63mm, 2Nos, 15m LENGTH)
7.	[Black circle]	HOSE REEL, #20MM, 30M LONG
8.	[Green square]	GATE SLUCE VALVE WITH CHAMBER
9.	[Blue triangle]	CO2 4.5 Kg. (CARBON DIOXIDE TYPE EXTINGUISHER)
10.	[Red triangle]	AFF 9.0 LTS. (AQUEOUS FILM FORMING FOAM TYPE EXTINGUISHER)
11.	[Red star]	PENDENT SPRINKLER

- POINTS TO BE NOTED:**
1. THE HYDRANT TO HYDRANT SPACINGS IS 45M AS PER IS13039 CL. 4.12.
 2. HOWEVER, HYDRANTS SHALL BE LOCATED BEARING IN MIND THE ATTENDANT FIRE HAZARDS, WHICH SHALL FOLLOW IS 13039 CL. 4.10 AND 4.11. SAME IS FOLLOWED IN THE DRAWING.
 3. PRESSURE AT THE HYDRAULICALLY REMOTE HYDRANT SHALL NOT BE LESS THAN 3.5 BAR AS PER NBC CL. 5.1.1(f).

SR.	NO.	DATE	BY	REVISIONS

FOR TENDER PURPOSE ONLY
DO NOT SCALE

IF (PRELIMINARY) ISSUES ARE NOT TO BE USED FOR CONSTRUCTION / FABRICATION BUT ARE ISSUED FOR LIMITED PURPOSES ONLY AS INDICATED IN THE SMALL BLOCK ABOVE THIS BLOCK.

CONSTRUCTION / FABRICATION WORK IS PERMITTED ON IT INFORMATION CONTAINED WITHIN HOLD IS NOT RELEASED FOR CONSTRUCTION / FABRICATION. FIELD MUST GET DESIGN OFFICE TO CLEAR HOLD IN TIME BEFORE PROCEEDING WITH ANY CONSTRUCTION / FABRICATION WORKS RELATED TO HOLD.

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FILE NAME: 10477A-ME-6041-FF-6010(PU.dwg)

15-08-2020

GUWAHATI SMART CITY DEVELOPMENT AGENCY LTD.
SMART CITY MISSION GUWAHATI

GROUND FLOOR FPS LAYOUT

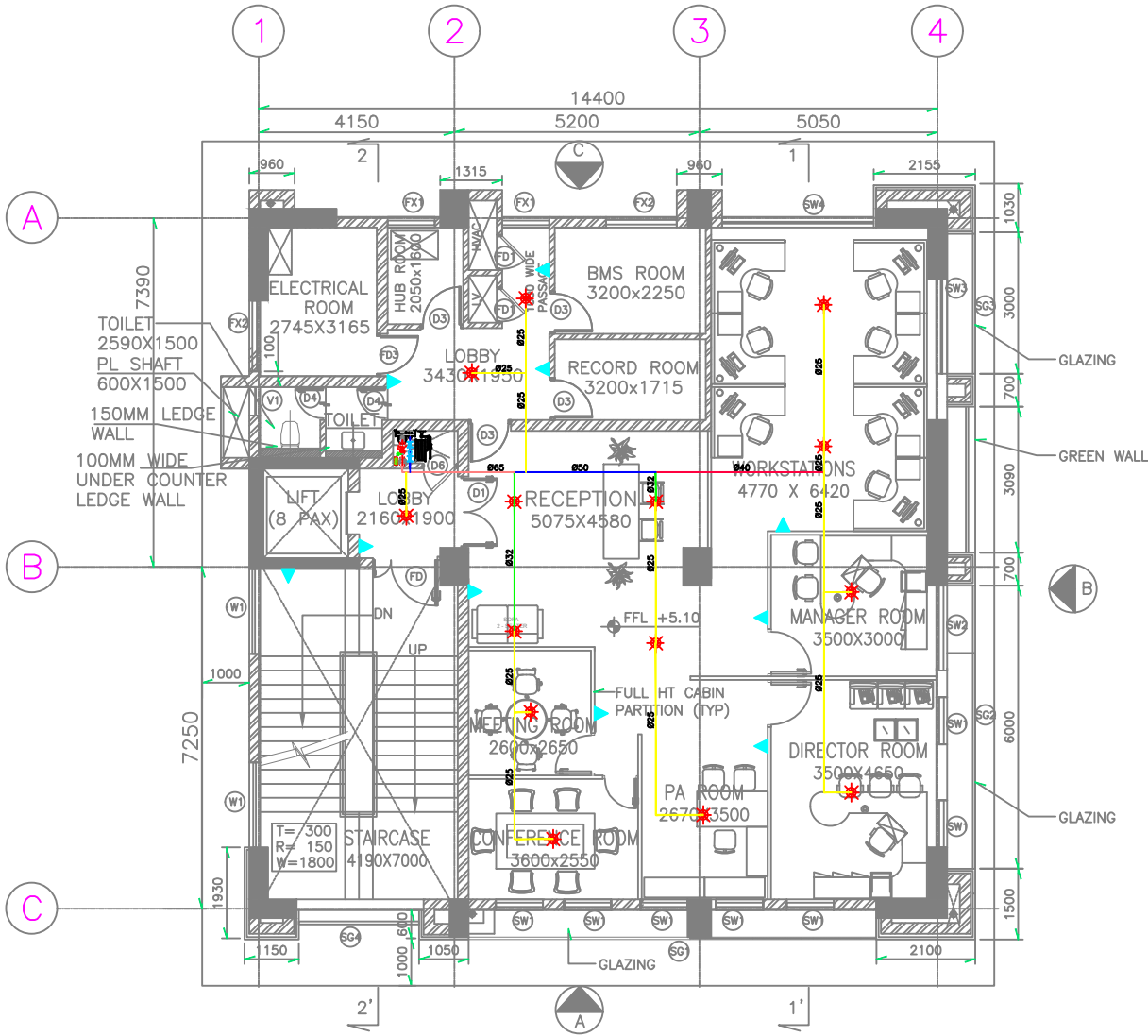
TATA CONSULTING ENGINEERS LIMITED
MUMBAI

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DC & DRG: PM-ME

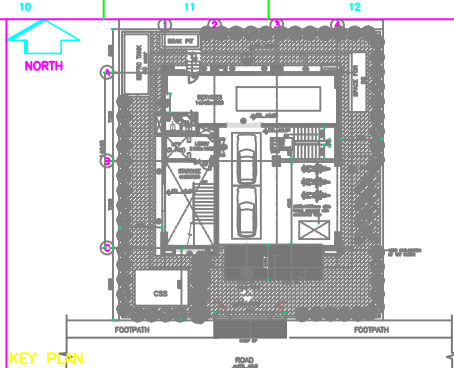
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ISSUE PO

FILE NAME: 10477A-ME-6041-FF-6010(PU.dwg)



1ST FLOOR PLAN



KEY PLAN

- NOTES:**
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 3. PIPES SHALL BE HEAVY DUTY GI PIPE CLASS "B" CONFORMING TO IS 1239.
 4. UNDERGROUND PIPE SHALL BE COATED AND WRAPPED AS PER IS : 10221 WITH "PIPKOTE" WRAPPING COATING MATERIAL OF 4mm THICK.
 5. SLUICE VALVE SHALL BE CONFORMING TO IS : 780.
 6. THE DEPTH OF UNDERGROUND PIPE SHALL BE DECIDED AT SITE AS PER THE SITE CONDITION TO AVOID FOULING WITH OTHER SERVICES SUBJECT TO THE TOP OF THE U/D PIPE IS MINIMUM 1M BELOW FROM THE FGL.
 7. MINOR CHANGES IN THE PIPE ROUTING SHALL BE MADE TO SUIT SITE LOCATIONS WITHOUT EFFECTING DESIGN ASPECTS.
 8. MINOR CHANGES IN THE HYDRANT LOCATION SHALL BE MADE TO SUIT MACHINE/EQUIPMENT REQUIREMENT WITHOUT EFFECTING DESIGN ASPECTS.
 9. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND RESOLVED AT TENDER STAGE BEFORE COMMENCEMENT OF ANY WORK. NO FURTHER CLAIMS SHALL BE ENTERTAINED THEREAFTER.

LEGENDS:-

SR. NO.	SYMBOL	DESCRIPTION
1.		150* GI CLASS "B" HYDRANT PIPE
2.		SINGLE HEADED
3.		SINGLE HEADED YARD HYDRANT
4.		FIRE HOSE BOX WITH SET OF HOSE
5.		BRANCH PIPE & NOZZLE
6.		RUBBER FIRE HOSE (63mm, 2Nos, 15m LENGTH)
7.		HOSE REEL, #20MM, 30M LONG
8.		GATE/SLUICE VALVE WITH CHAMBER
9.		CO2 4.5 Kg (CARBON DIOXIDE TYPE EXTINGUISHER)
10.		APFF 9.0 LITS (AQUEOUS FILM FORMING FOAM TYPE EXTINGUISHER)
11.		PENDENT SPRINKLER

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DO NOT SCALE

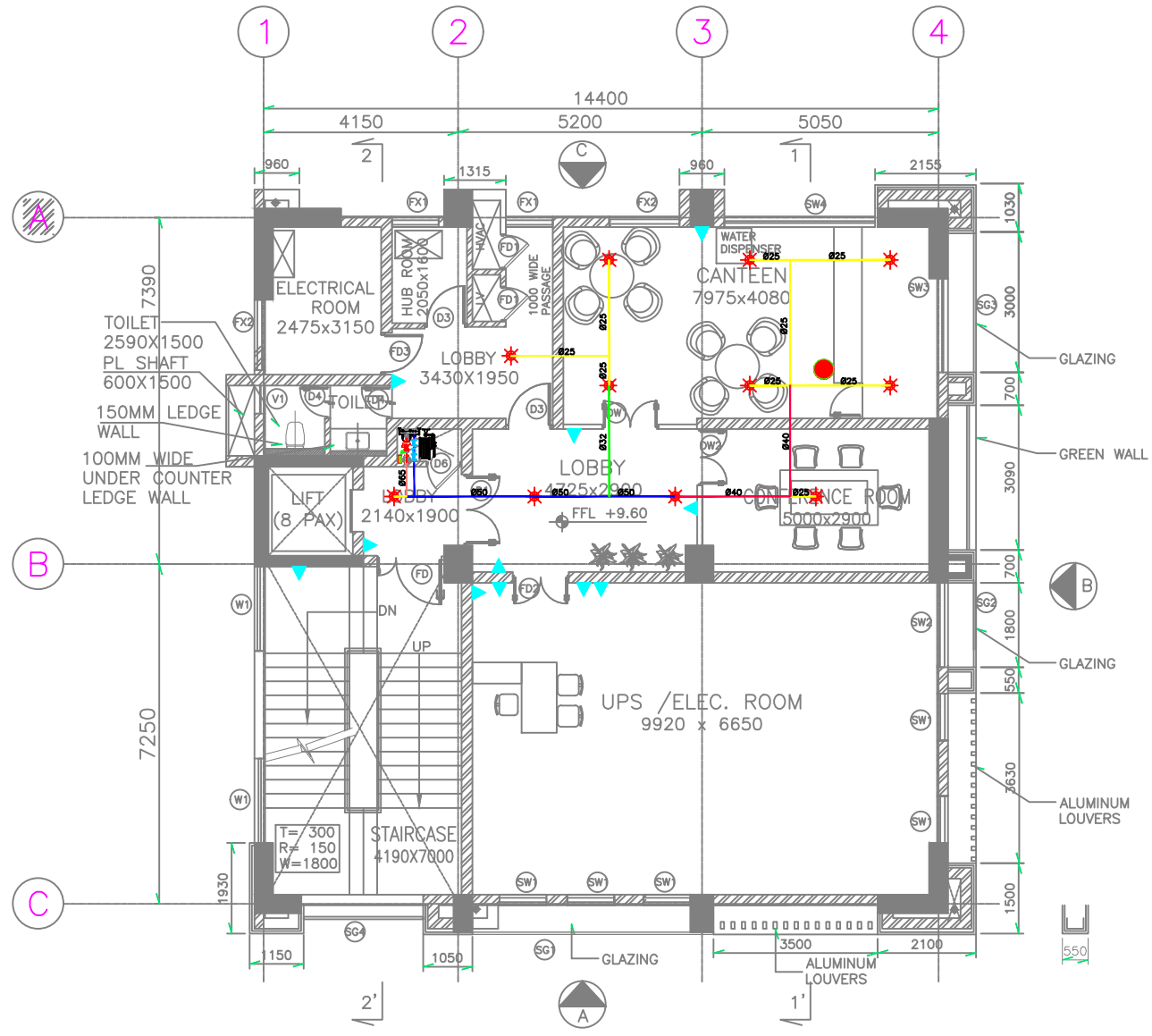
IF PRELIMINARY ISSUES ARE NOT TO BE USED FOR CONSTRUCTION / FABRICATION BUT ARE ISSUED FOR LIMITED RESPONSE ONLY AS INDICATED IN THE SMALL BLOCK ABOVE THIS BLOCK.
CONSTRUCTION / FABRICATION WORK IS PERMITTED ON RELEASED ISSUES ONLY.
INFORMATION CONTAINED WITHIN THIS DRAWING IS NOT RELEASED FOR CONSTRUCTION / FABRICATION FIELD MUST GET DESIGN OFFICE TO CLEAR HOLDS IN TIME BEFORE PROCEEDING WITH ANY CONSTRUCTION / FABRICATION WORK RELATED TO HOLDS.

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ISSUE													15-05-2020

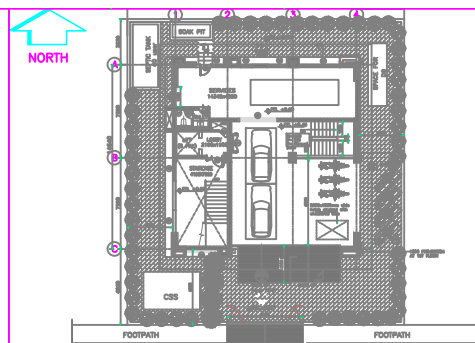
GUWAHATI SMART CITY DEVELOPMENT AGENCY LTD.
SMART CITY MISSION GUWAHATI
FIRST FLOOR FPS LAYOUT

TATA CONSULTING ENGINEERS LIMITED
MUMBAI



2nd FLOOR PLAN

FOR TENDER PURPOSE ONLY
DO NOT SCALE
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 CONSTRUCTION / FABRICATION WORK IS PERMITTED ON T RELEASED ISSUES ONLY.
 INFORMATION CONTAINED WITHIN 'HOLD' IS NOT RELEASED FOR CONSTRUCTION / FABRICATION. FIELD MUST GET DESIGN OFFICE TO CLEAR HOLD IN TIME BEFORE PROCEEDING WITH ANY CONSTRUCTION / FABRICATION WORK RELATED TO 'HOLD'.
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KEY PLAN

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 3. PIPES SHALL BE HEAVY DUTY GI PIPE CLASS "B" CONFORMING TO IS 1239.
 4. UNDERGROUND PIPE SHALL BE COATED AND WRAPPED AS PER IS : 10221 WITH "PIPKOTE" WRAPPING COATING MATERIAL OF 4mm THICK.
 5. SLUICE VALVE SHALL BE CONFORMING TO IS : 780.
 6. THE DEPTH OF UNDERGROUND PIPE SHALL BE DECIDED AT SITE AS PER THE SITE CONDITION TO AVOID FOULING WITH OTHER SERVICES SUBJECT TO THE TOP OF THE U/G PIPE IS MINIMUM 1M BELOW FROM THE FGL.
 7. MINOR CHANGES IN THE PIPE ROUTING SHALL BE MADE TO SUIT SITE LOCATIONS WITHOUT EFFECTING DESIGN ASPECTS.
 8. MINOR CHANGES IN THE HYDRANT LOCATION SHALL BE MADE TO SUIT MACHINE/ EQUIPMENT REQUIREMENT WITHOUT EFFECTING DESIGN ASPECTS.
 9. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND RESOLVED AT TENDER STAGE, BEFORE COMMENCEMENT OF ANY WORK. NO FURTHER CLAIMS SHALL BE ENTERTAINED THEREAFTER.

LEGENDS:-

SR. NO.	SYMBOL	DESCRIPTION
1.	[Symbol]	150# GI CLASS "B" HYDRANT PIPE
2.	[Symbol]	SINGLE HEADED
3.	[Symbol]	SINGLE HEADED YARD HYDRANT
4.	[Symbol]	FIRE HOSE BOX WITH SET OF HOSE
5.	[Symbol]	BRANCH PIPE & NOZZLE
6.	[Symbol]	RUBBER FIRE HOSE (#6.3mm, 2Nos, 15m LENGTH)
7.	[Symbol]	HOSE REEL, #20MM, 30M LONG
8.	[Symbol]	GATE/SLUICE VALVE WITH CHAMBER
9.	[Symbol]	CO2 4.5 Kg (CARBON DIOXIDE TYPE EXTINGUISHER)
10.	[Symbol]	AFFF 9.0 LTS. (AQUEOUS FILM FORMING FOAM TYPE EXTINGUISHER)
11.	[Symbol]	PENDENT SPRINKLER

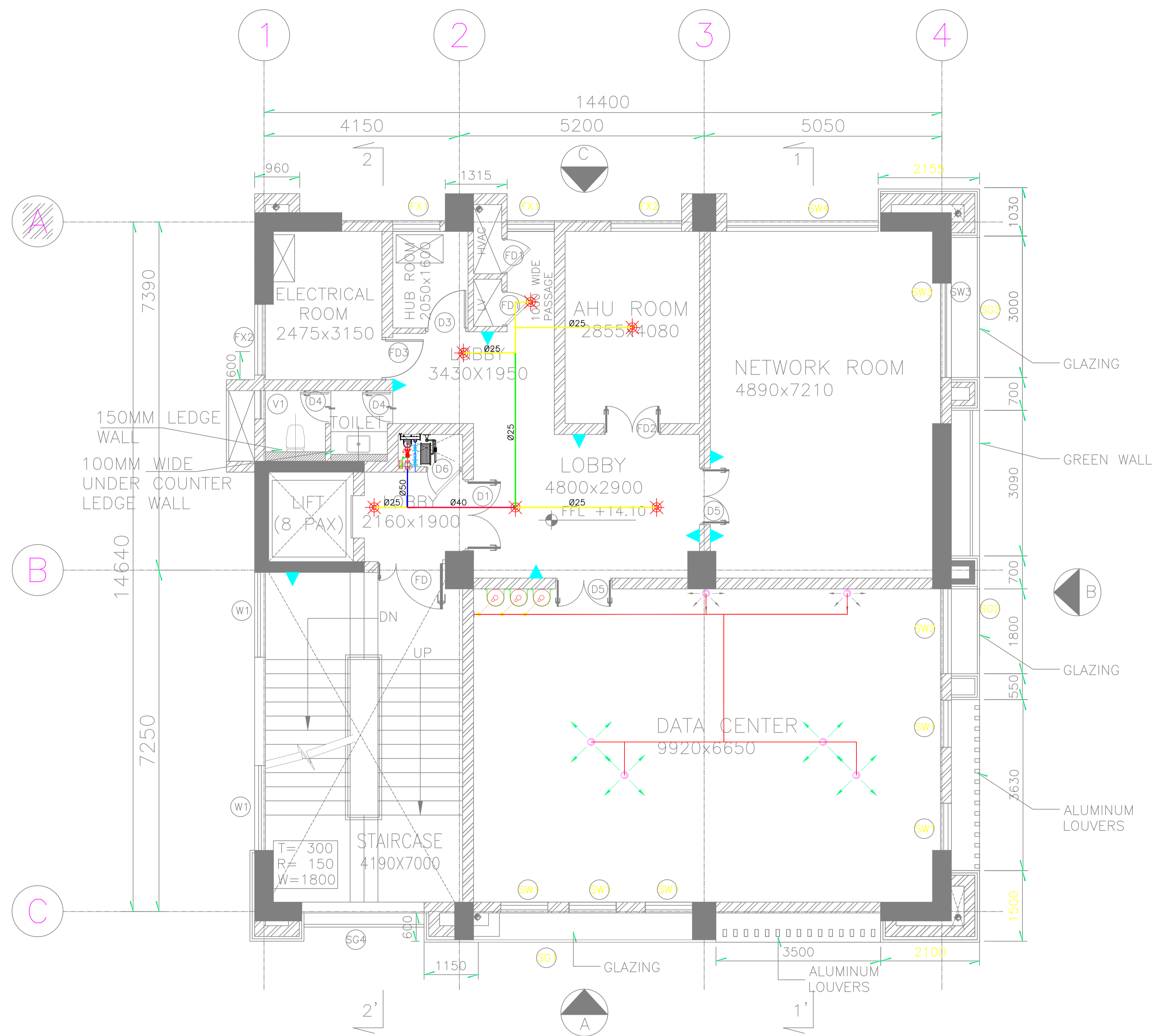
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GUWAHATI SMART CITY DEVELOPMENT AGENCY LTD.
 SMART CITY MISSION GUWAHATI

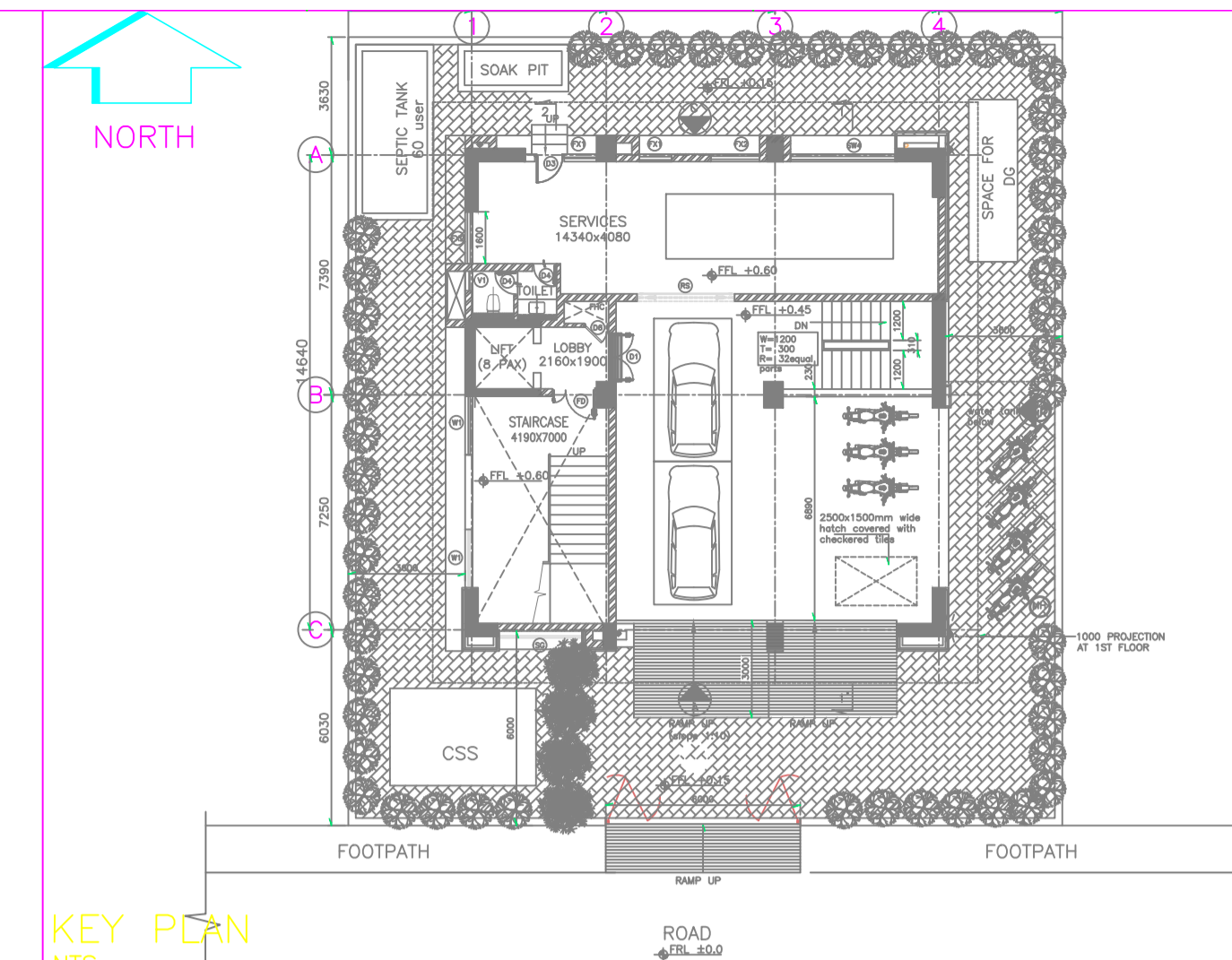
SECOND FLOOR FPS LAYOUT

TATA CONSULTING ENGINEERS LIMITED
 MUMBAI

SCALE: 1:250
 DC & DISC: PH-ME
 TCE.10477A-ME-6041-FF-60103
 ISSUE: PO



3rd FLOOR PLAN



KEY PLAN

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
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3. PIPES SHALL BE HEAVY DUTY GI PIPE CLASS "B" CONFORMING TO IS 1239.
4. UNDERGROUND PIPE SHALL BE COATED AND WRAPPED AS PER IS : 10221 WITH "PYPKOTE" WRAPPING COATING MATERIAL OF 4mm THICK.
5. SLUICE VALVE SHALL BE CONFORMING TO IS : 780.
6. THE DEPTH OF UNDERGROUND PIPE SHALL BE DECIDED AT SITE AS PER THE SITE CONDITION TO AVOID FOULING WITH OTHER SERVICES SUBJECT TO THE TOP OF THE U/G PIPE IS MINIMUM 1M BELOW FROM THE FGL.
7. MINOR CHANGES IN THE PIPE ROUTING SHALL BE MADE TO SUIT SITE LOCATIONS WITHOUT EFFECTING DESIGN ASPECTS.
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LEGENDS:-

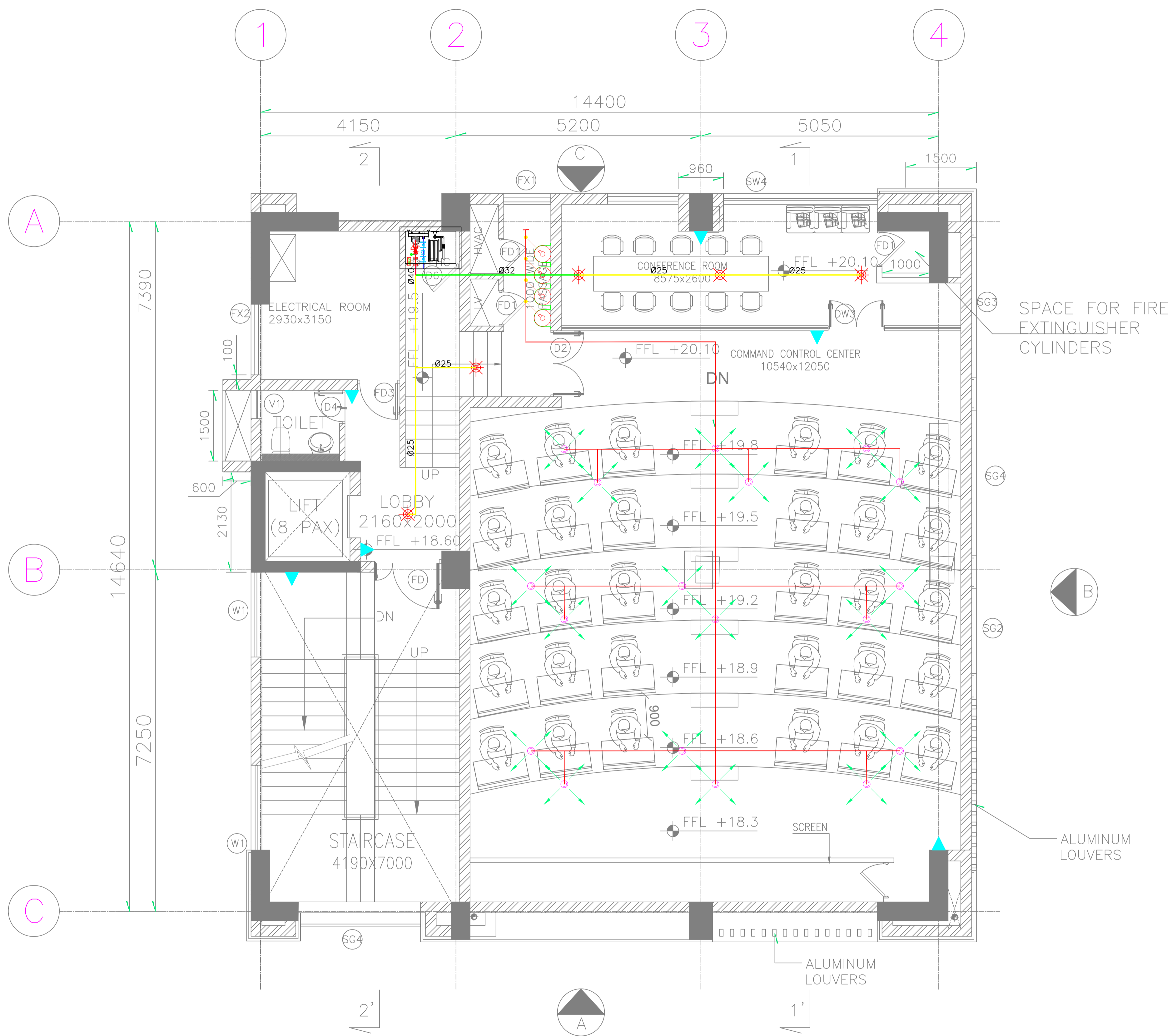
SR. NO.	SYMBOL	DESCRIPTION
1.		150ø GI CLASS 'B' HYDRANT PIPE
2.		SINGLE HEADED
3.		SINGLE HEADED YARD HYDRANT
4.		FIRE HOSE BOX WITH SET OF HOSE
5.		BRANCH PIPE & NOZZLE
6.		RUBBER FIRE HOSE (ø63mm, 2Nos., 15m LENGTH)
7.		HOSE REEL, ø20MM, 30M LONG
8.		GATE/SLUICE VALVE WITH CHAMBER
9.		CO2 4.5 Kg (CARBON DIOXIDE TYPE EXTINGUISHER)
10.		AFFF 9.0 LTS. (AQUEOUS FILM FORMING FOAM TYPE EXTINGUISHER)
11.		PENDENT SPRINKLER

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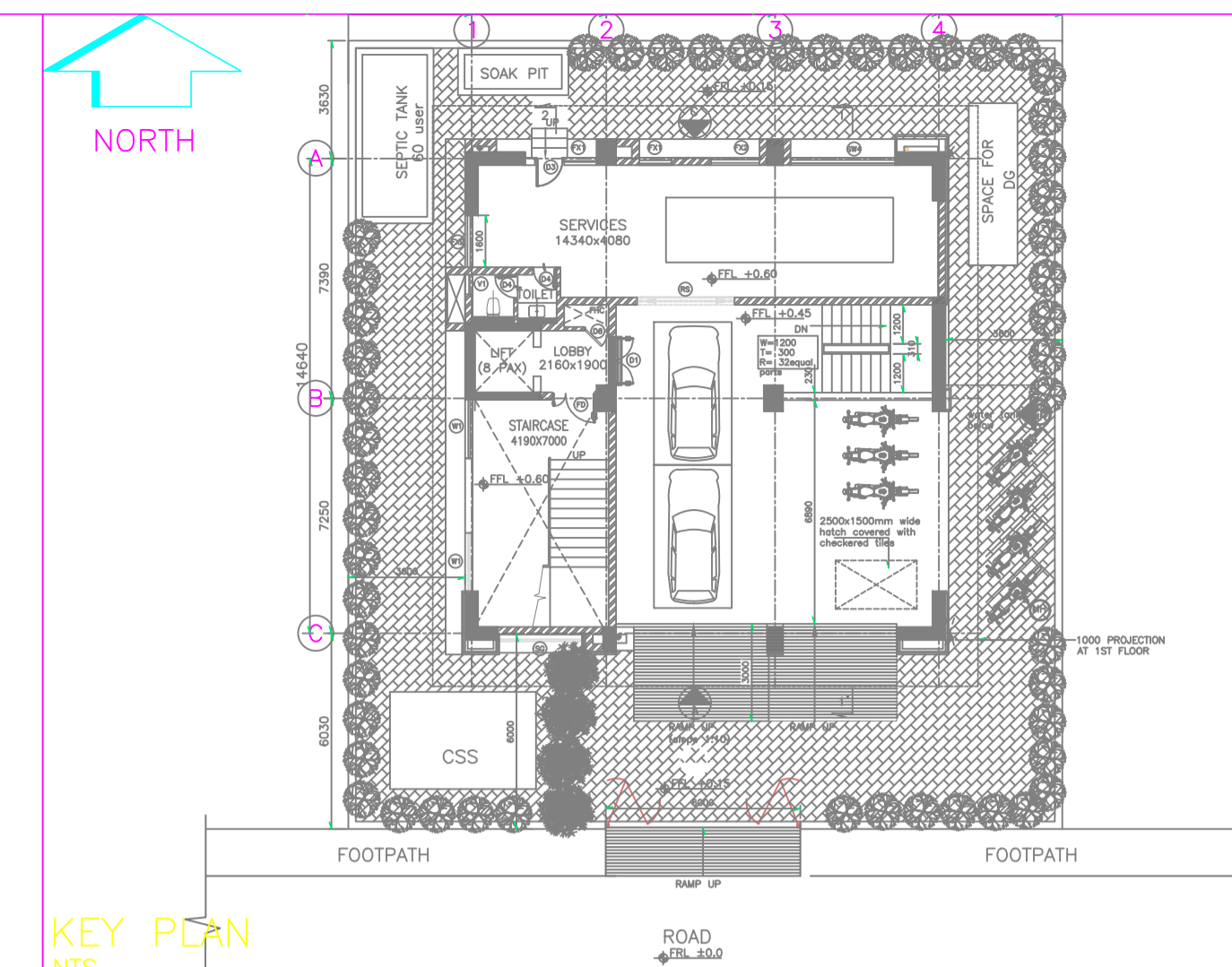
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GUWAHATI SMART CITY DEVELOPMENT AGENCY LTD.
SMART CITY MISSION GUWAHATI
THIRD FLOOR FPS LAYOUT



4TH FLOOR PLAN



KEY PLAN

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LEGENDS:-

SR. NO.	SYMBOL	DESCRIPTION
1.		150ø GI CLASS "B" HYDRANT PIPE
2.		SINGLE HEADED
3.		SINGLE HEADED YARD HYDRANT
4.		FIRE HOSE BOX WITH SET OF HOSE
5.		BRANCH PIPE & NOZZLE
6.		RUBBER FIRE HOSE (ø63mm, 2Nos., 15m LENGTH)
7.		HOSE REEL, ø20MM, 30M LONG
8.		GATE/SLUICE VALVE WITH CHAMBER
9.		CO2 4.5 Kg. (CARBON DIOXIDE TYPE EXTINGUISHER)
10.		AFFF 9.0 LTS. (AQUEOUS FILM FORMING FOAM TYPE EXTINGUISHER)
11.		PENDENT SPRINKLER
12.		NOZZLE
13.		NOVEC 1230 PIPING
14.		CYLINDER WITH STRAP

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FOR TENDER PURPOSE ONLY
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FILE NAME : 10477A-ME-6041-FF-60105P0.dwg

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SMART CITY MISSION GUWAHATI
FOURTH FLOOR FPS LAYOUT