

GENERAL PLUMBING and SANITARY NOTES:

- ALL PLUMBING WORKS INCLUDED HEREIN SHALL BE EXECUTED ACCORDING TO THE PROVISIONS OF UNIFORM PLUMBING CODE OF THE PHILIPPINES, THE NATIONAL BUILDING CODE, REVISED PLUMBING CODE OF THE PHILIPPINES & THE RULES & REGULATIONS OF MUNICIPALITY OF ODIONGAN, ROMBLON.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES SUCH AS DISPOSAL POINT FOR SEWAGE EFFLUENT, STORM DRAINAGE AND WATER LINE SERVICE TAPPING POINT.
- COORDINATE THE DRAWING WITH OTHER RELATED DRAWINGS AND SPECIFICATION. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY FOUND THEREIN.
- ALL PIPES SHALL BE INSTALLED AS INDICATED ON PLANS. ANY RELOCATIONS REQUIRED FOR PROPER EXECUTION OF OTHER TRADE SHALL BE WITH PRIOR APPROVAL OF THE ARCHITECT OR ENGINEER.
- PROPOSED SANITARY UTILITIES SHALL CONFORM TO THE ACTUAL LOCATION, DEPTH AND INVERT ELEVATION OF ALL EXISTING PIPES AND STRUCTURES AS VERIFIED BY THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE THE NECESSARY EXCAVATIONS, BACKFILLING AND SURFACE RESTORATION OF THE AFFECTED AREAS.
- ALL SLOPES FOR HORIZONTAL DRAINAGE SHALL MAINTAIN 1% UNLESS OTHERWISE SPECIFIED.
- SIZE OF WATER SUPPLY PIPES TO FIXTURES SHALL BE IN ACCORDANCE W/ THE MANUFACTURER'S INSTRUCTIONS.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AT SITE, COORDINATE THE WORKS WITH THE SEWER LINE EFFLUENT DISPOSAL POINT AND WATER LINE SERVICE CONNECTING POINT.
- ALL VENT PIPES SHALL BE FREE FROM DROPS OR SAGS AND SHALL BE SLOPE OR GRADED AS TO DRIP BACK BY GRAVITY TO THE DRAINAGE PIPE IT SERVES.
- ALL PIPE SIZES ARE IN EITHER INCHES OR MILLIMETERS UNLESS OTHERWISE SPECIFIED.
- ALL PIPES, FITTINGS & APPURTENANCES WHICH WILL PASS THROUGH IN ANY STRUCTURAL COMPONENT SHALL BE FIRST APPROVED BY THE DESIGN STRUCTURAL ENGINEER.
- PROVIDE CLEANOUT FOR EVERY CHANGE IN DIRECTION AND FOR EVERY 15m HORIZONTAL RUN FOR SEWER & DRAINAGE LINE.
- ALL BRANCH VENT PIPES SHALL BE MINIMUM OF 50mmØ UNLESS OTHERWISE SHOWN.
- PIPE HANGER SHALL BE DESIGNED SUCH THAT IT COULD SUPPORT FIVE (5) TIMES THE WEIGHT THE WATER FILLED PIPE PLUS 114kg.
- ALL SEWER PIPES EMBEDDED IN GROUND AND BELOW SLAB-ON-GRADE SHALL BE PROVIDED WITH SAND BEDDING MATERIALS.
- ACCESS OPENING SHALL BE PROVIDED IN THE PIPE SHAFT FOR TESTING, SERVICING AND CLEANING OF PIPES.
- ALL VALVES SHALL BE LOCATED SUCH THAT IT CAN BE READILY ACCESSED BY THE MAINTENANCE PERSONNEL. ACCESS PANEL SHALL BE PROVIDED WHERE NECESSARY SUBJECT TO ENGINEER'S APPROVAL.
- VALVES RATING SHALL MEET OR EXCEED THEIR RESPECTED SYSTEM OPERATING PRESSURE AND TEMPERATURE.
- PIPE SUPPORT, HANGERS AND BRACING SHALL BE OF APPROVED TYPE AND SHALL BE INDEPENDENT FROM CEILING AND DUCT SUPPORT.
- PROVIDE UNION AT EACH THREADED OR WELDED CONNECTION TO EQUIPMENT AND VALVES UP TO 50mm & AT 18.0m (60FT) INTERVAL OR AS SHOWN ON DRAWINGS.
- PROVIDE MINIMUM OF 50mm CLEARANCE AROUND PIPING EXTENDED THROUGH WALLS, FLOORS, PLATFORMS & FOUNDATION, INCLUDING DRAINS & AUXILIARY PIPING.
- MAJOR PLUMBING EQUIPMENT SUCH AS BLADDER TANK, WATER TANK, PUMPS & ITS SYSTEM APPURTENANCES SHALL BE APPROVED FIRST BY THE DESIGN SANITARY ENGINEER THROUGH WRITTEN LETTER BEFORE PURCHASING/INSTALLATION.
- SOME SYMBOLS / LEGENDS ON DRAWING PLANS WERE EXAGGERATED IN SCALED FOR THE PURPOSE OF GRAPHICAL REPRESENTATION, ACTUAL SIZES VARY.
- PROVIDE LABOR & MATERIALS TO DELIVER COMPLETE & PROPERLY FUNCTIONING PLUMBING SYSTEMS.
- COORDINATE PLUMBING WORK WITH SITE CONDITIONS & OTHER TRADE WORKS.
- VERIFY SLOPES & INVERT ELEVATIONS PRIOR TO COMMENCEMENT OF WORK.
- PROVIDE ACCESS PANELS FOR VALVES, WATER HAMMER ARRESTERS & OTHER PLUMBING SPECIALTIES LOCATED INSIDE CHASES, BEHIND WALLS OR ABOVE INACCESSIBLE CEILINGS.
- PROVIDE FLEX PIPING AT STRUCTURAL BUILDING EXPANSION JOINTS (REFER TO STRUCTURAL DRAWINGS)
- PROVIDE FIRE STOPPING FOR PIPING CROSSING FIRE-RATED WALL.
- PROVIDE SEISMIC SEPARATION FOR PIPING CROSSING BUILDING SEISMIC JOINT. (REFER TO STRUCTURAL DRAWINGS)
- PIPING THAT WILL PASS THROUGH STRUCTURAL MEMBERS SUCH AS COLUMN, BEAM, FOUNDATION, SHEARWALL & THE LIKE SHALL ASK FIRST WRITTEN PERMISSION FROM STRUCTURAL DESIGNER.
- NO PIPING OR OTHER PLUMBING EQUIPMENT ARE TO BE INSTALLED OVER OR UNDER ELECTRICAL PANELBOARDS.
- CONTRACTOR RESPONSIBLE FOR ALL REQUIRED TRANSITIONS, OFFSETS MINOR RELOCATIONS AND ALL ASSOCIATED PIPING.
- REROUTE PIPING AS NEARLY AS POSSIBLE TO ROUTES INDICATED ON PLANS. CONTRACTORS IS FREE TO MAKE MINOR CHANGES IN ROUTING TO ACCOMMODATE CHANGES.

- COORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURERS' CERTIFIED DRAWINGS.
- ALL TESTS SHALL BE COMPLETED BEFORE ANY PIPING OR EQUIPMENT IS INSULATED OR CONCEALED.
- WHERE TWO OR MORE PRODUCTS OF THE SAME TYPE OF EQUIPMENT ARE REQUIRED, THE PRODUCTS OF A SINGLE MANUFACTURER SHALL BE USED.
- PROVIDE HIGH POINT VENTS & LOW POINT DRAINS.
- PROVIDE DIELECTRIC CONNECTIONS BETWEEN DISSIMILAR MATERIALS.
- UNIONS AND/OR FLANGES SHALL BE INSTALLED AT EACH PIECE OF EQUIPMENT AND IN BYPASSES TO PERMIT DISASSEMBLY FOR ALTERATION AND REPAIRS. INSTALL ALL PIPING WITHOUT FORCING OR SPRINGING.
- WATER HAMMER ARRESTORS SHALL BE INSTALLED AT FLUSH VALVE-OPERATED FIXTURES, SOLENOID VALVES & ANY OTHER QUICK CLOSING VALVES TO MINIMIZE NOISE. ARRESTORS SHALL BE INSTALLED WITH PROPER ACCESS PANELS. AIR CHAMBERS SHALL NOT BE PERMITTED.
- FLASH & COUNTER-FLASH ROOF PENETRATIONS FOR PIPING.
- PIPE SHOULD BE OFFSET TO AVOID CONTACT WITH FOOTINGS & FOUNDATION WALLS. IF PIPING MUST RUN UNDERNEATH A FOOTING OR THROUGH A FOUNDATION WALL, THE PIPE MUST BE INSTALLED WITH A RELIEVING ARCH OR IN A PIPE SLEEVE.
- ALL PIPES BURIED UNDERGROUND SHALL BE PROVIDED WITH LINE MARKERS.
- REFLECTED GATE VALVE IN TOILETS ARE FOR ISOLATION FOR MORE THAN ONE FIXTURE IN A BRANCH. SINGLE PLUMBING FIXTURE IN A BRANCH OR ROOM IS CONSIDERED TO HAVE GATE VALVE AT THE FIXTURE BRANCH W/OUT THE NEED OF INDICATING ON PLAN.
- DOWNSPOUT EXACT LOCATION WHETHER INTERIOR OF EXTERIOR OF WALL OR COLUMN IS SUBJECT TO APPROVAL OF ARCHITECT OF RECORD.

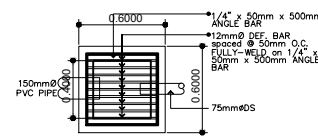
PLUMBING SYMBOLS

FOR WATER LINE

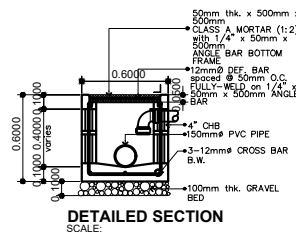
- 40mmØ CWL COLD WATER LINE
- 32mmØ CWL COLD WATER LINE
- 20mmØ CWL COLD WATER LINE
- 32mmØ BV BALL VALVE
- 20mmØ BV BALL VALVE
- 20mmØ SHO./FB SHOWER/FOOTBATH
- 20mmØ WC WATER CLOSET
- 20mmØ LAV. LAVATORY
- 20mmØ LSF LAUNDRY SINK FAUCET
- FAUCET
- 20mmØ FAU.
- 20mmØ RISER RISER PIPE
- 32mmØ RISER

FOR SEWER LINE

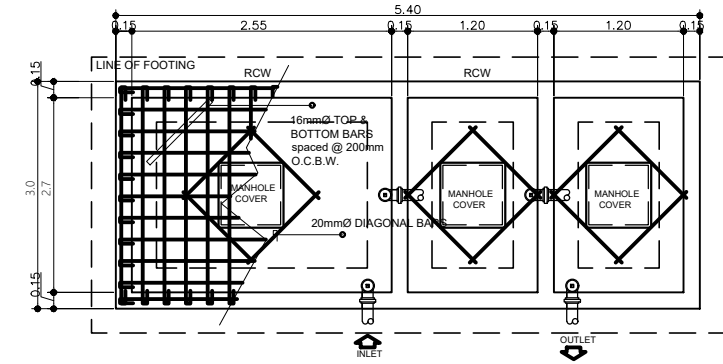
- PVC POLYVINYL CHLORIDE
- SP SOIL PIPE
- SSP SOIL STACK PIPE
- WC WATER CLOSET
- CO CLEAN OUT
- FD FLOOR DRAIN
- LAV. LAVATORY
- UR URINAL
- VTR VENT THRU ROOF
- DS DOWNSPOUT
- FCO FLOOR CLEAN-OUT
- VP VENT PIPE
- VSTR VENT STACK THRU ROOF
- SD SHOWER DRAIN



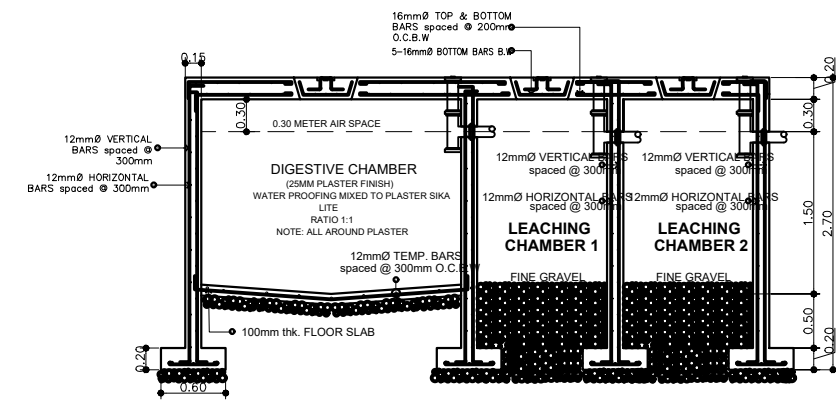
(CATCH BASIN CONC. COVER)
DET. PLAN SHOWING REBARS
SCALE:



DETAILED SECTION
SCALE:



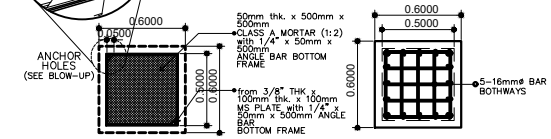
7 SEPTIC TANK
DETAILED PLAN
SCALE



8 SEPTIC TANK
DETAILED SECTION
SCALE



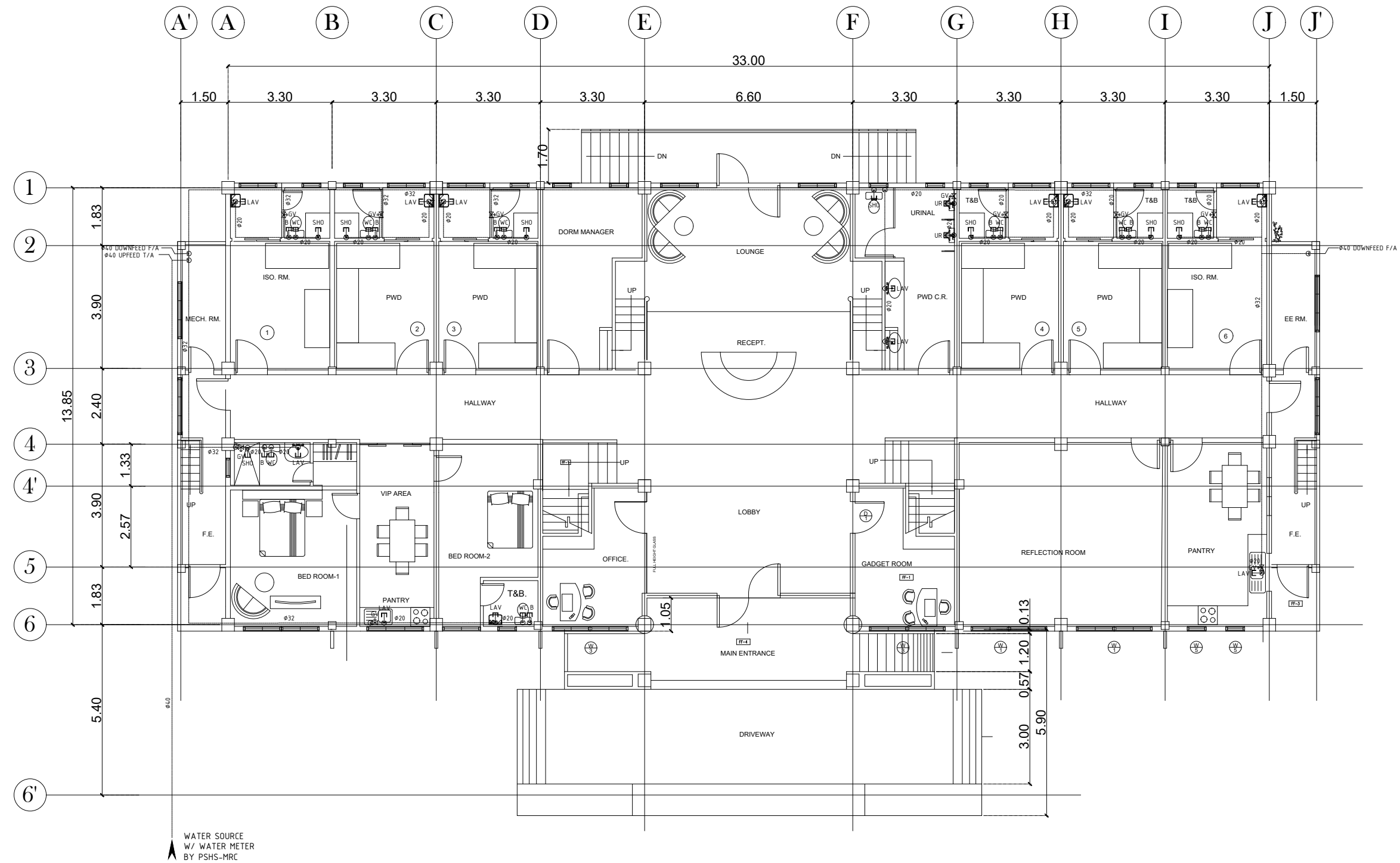
ANCHOR PLATE MECHANISM
SCALE:



DET. PLAN SHOWING ANCHOR HOLES
SCALE:

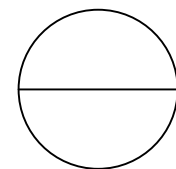
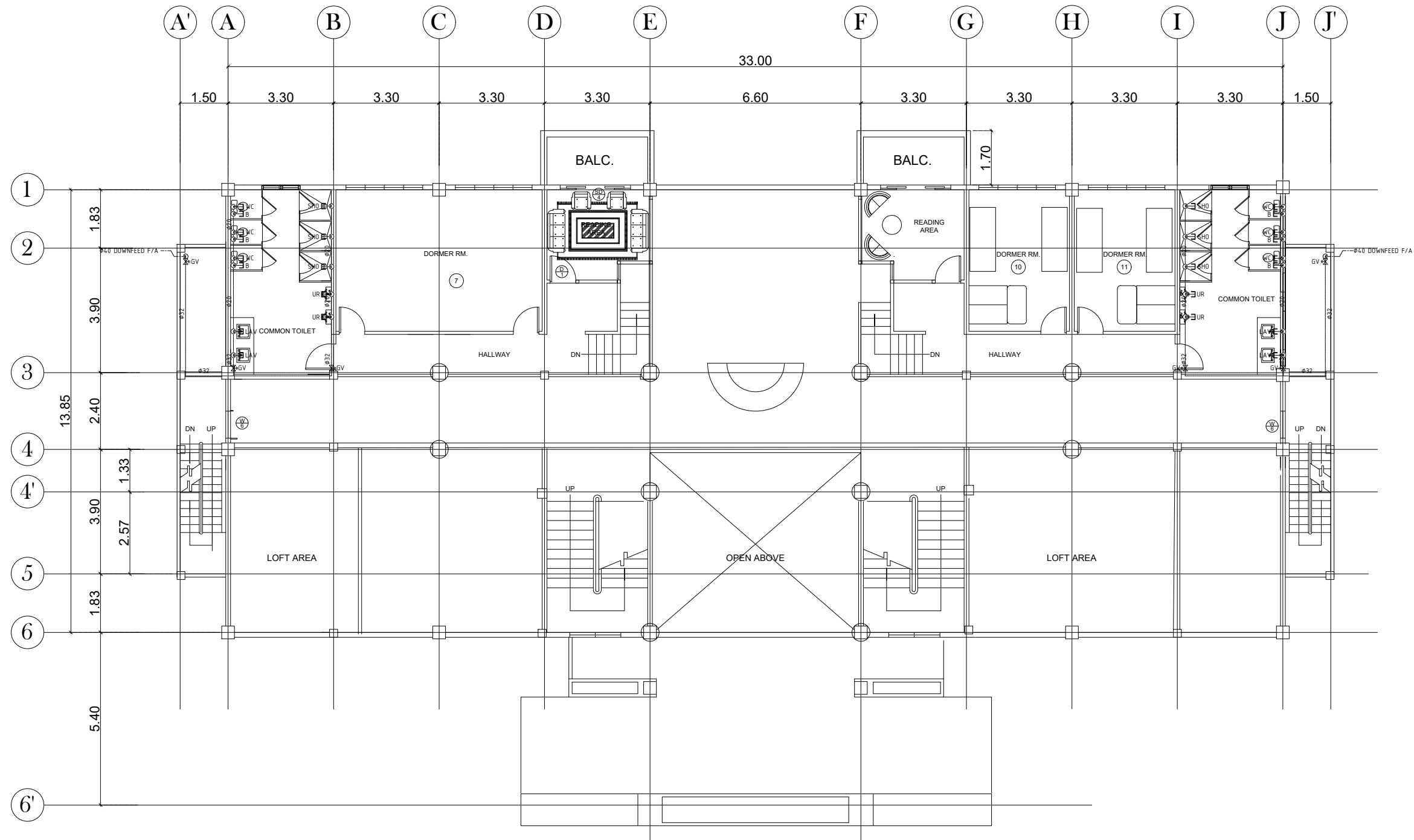
(SEPTIC TANK)
DET. PLAN OF MANHOLE COVER
SCALE:

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	Location: Brgy. Rizal, Odiongan Romblon 5505	Date Prepared:	Date:	Date:		<p>1 15</p>




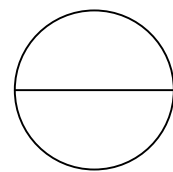
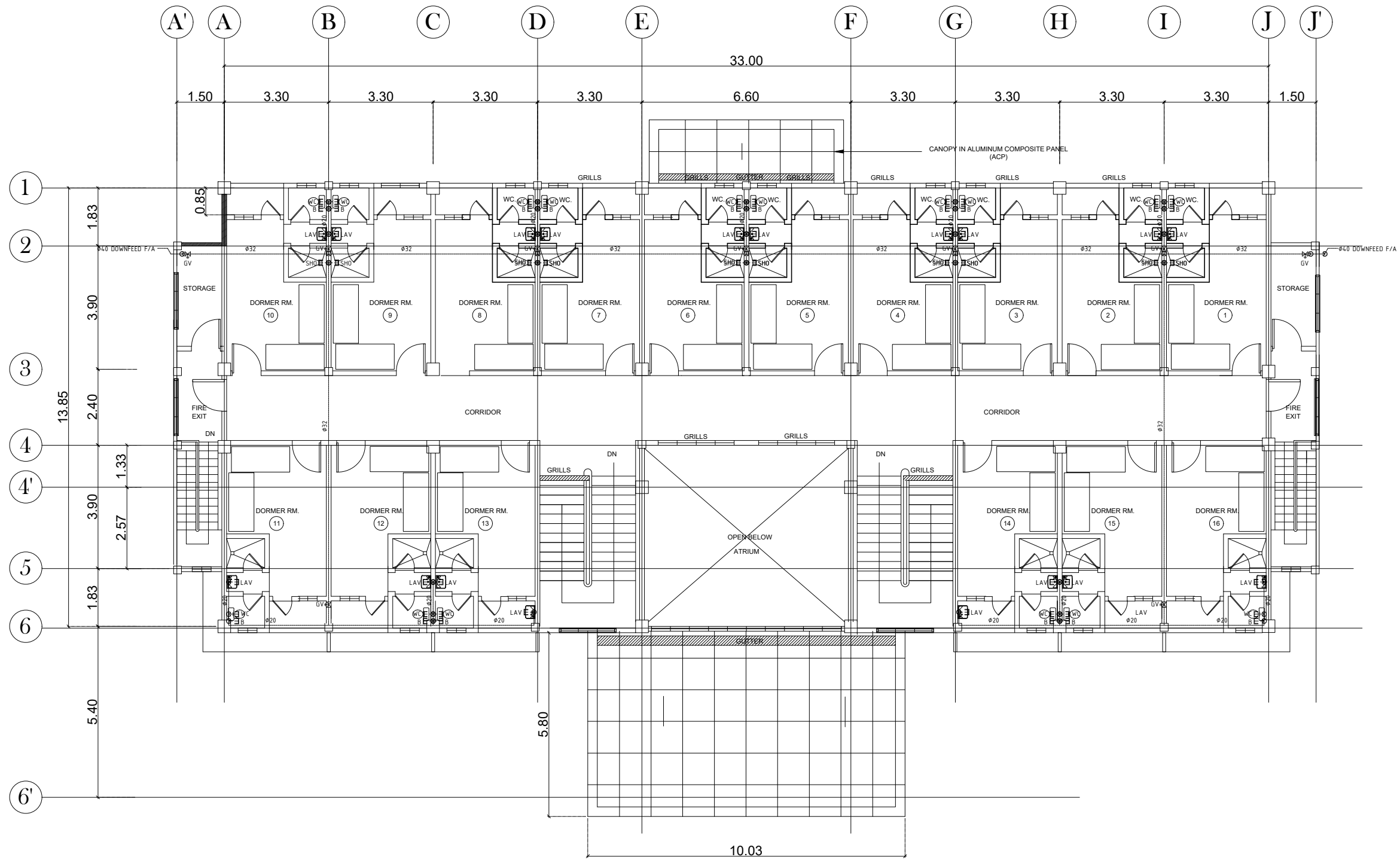
**GROUND FLOOR
WATER SUPPLY DISTRIBUTION SYSTEM LAYOUT**
 SCALE 1:150m

OWNER:	Project Title:	Prepared by:	Recommending approval by:	Approved by:	Sheet Content:	Sheet No.
Republic of the Philippines DEPARTMENT OF SCIENCE AND TECHNOLOGY Philippine Science High School MIMAROPA Region Campus Brgy. Rizal, Odiongan, Romblon 5505	CONSTRUCTION OF DORMITORY BUILDING I	<u>PLANNING TEAM</u>	<u>Meriam F. Fallar</u> FAD Chief	<u>Edward C. Albaracin</u> Campus Director	As Shown	PS
	Location: Brgy. Rizal, Odiongan Romblon 5505	Date Prepared:	Date:	Date:	2	15




MEZZANINE FLOOR
WATER SUPPLY DISTRIBUTION SYSTEM LAYOUT
 SCALE 1:150m

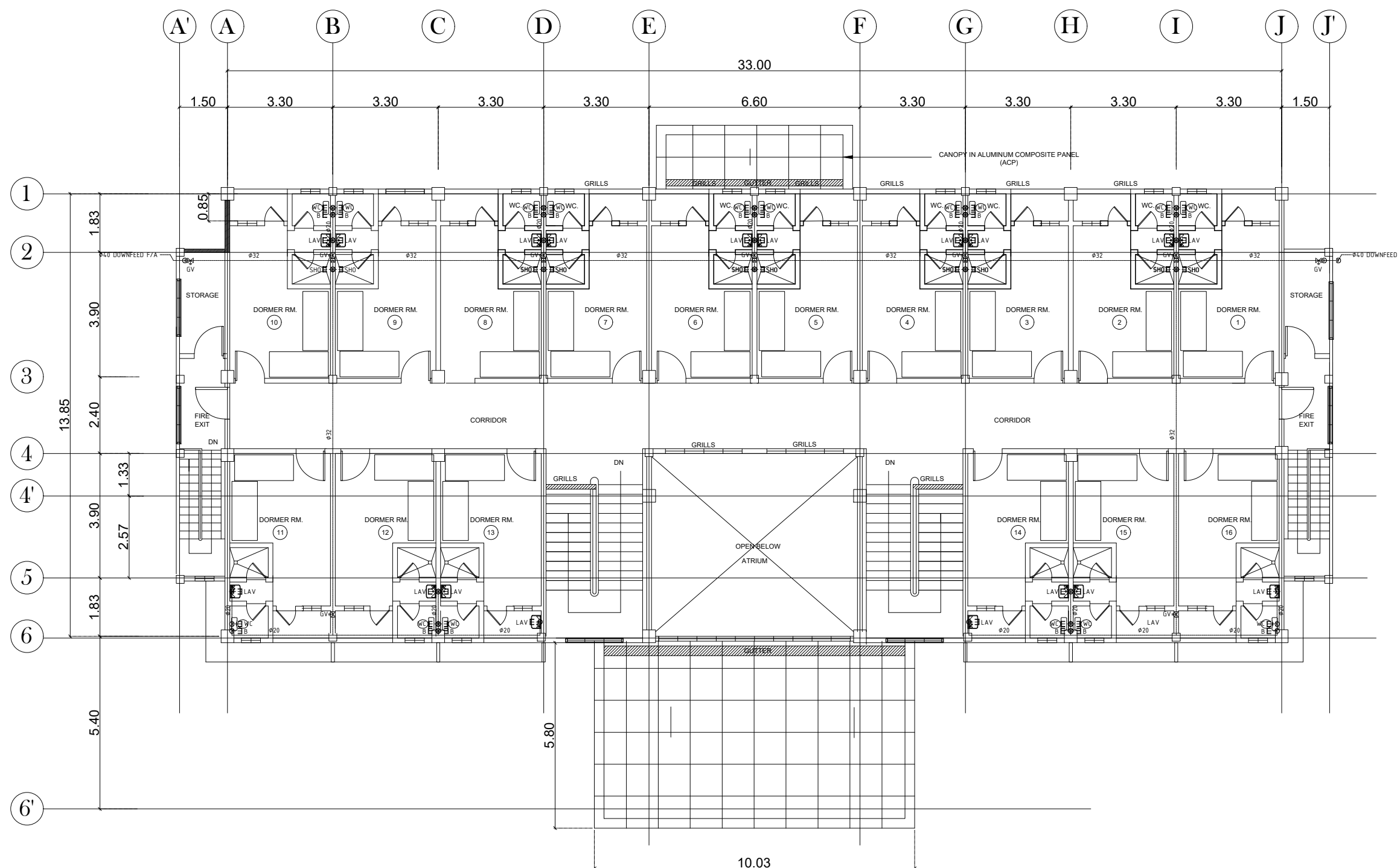
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Location: Brgy. Rizal, Odiongan Romblon 5505	Date Prepared:	Date:	Date:	Date:	3	15



SECOND FLOOR
WATER SUPPLY DISTRIBUTION SYSTEM LAYOUT

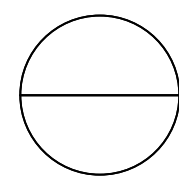
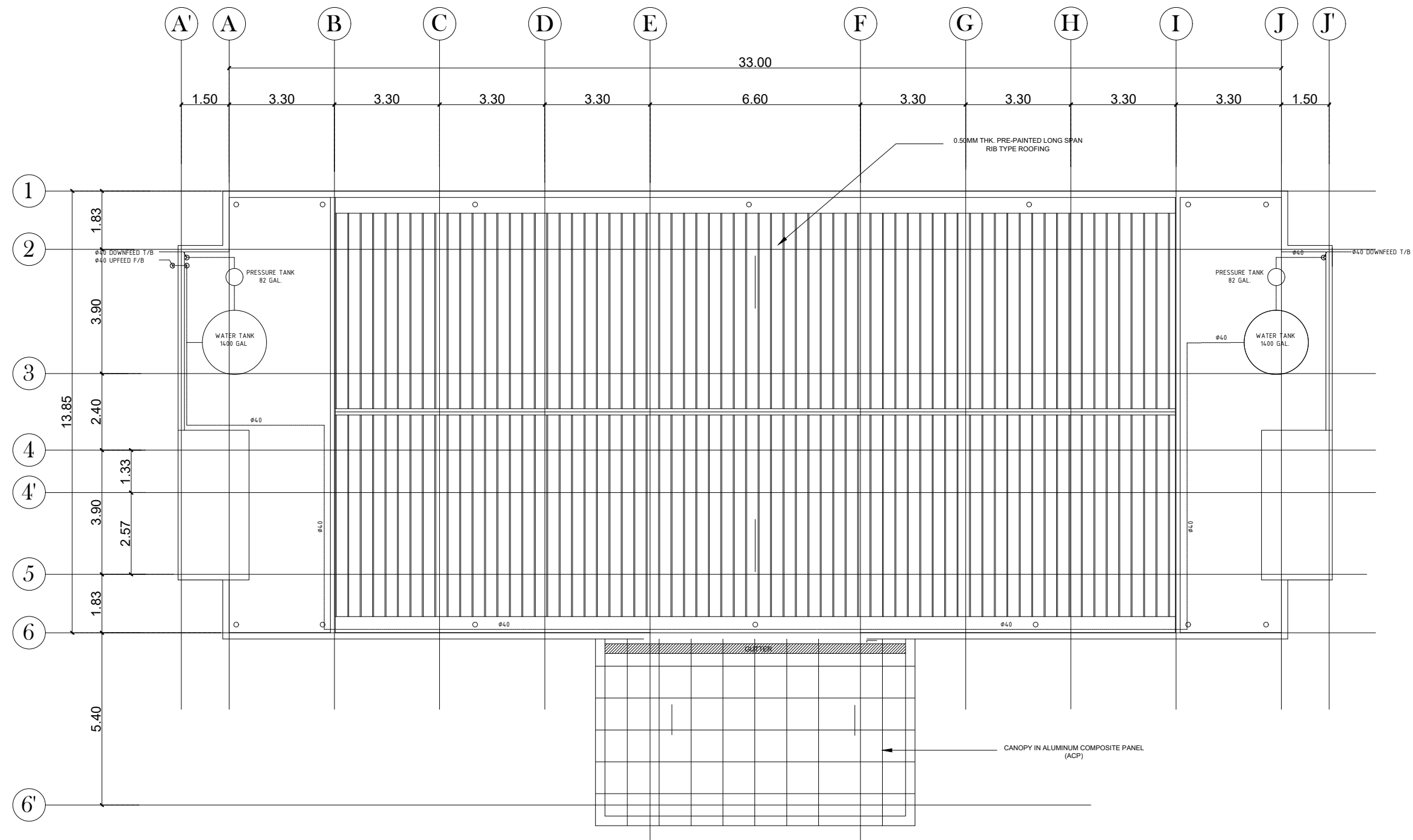
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**THIRD FLOOR
WATER SUPPLY DISTRIBUTION SYSTEM LAYOUT**
 SCALE 1:150m

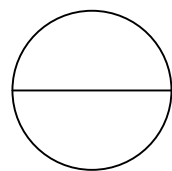
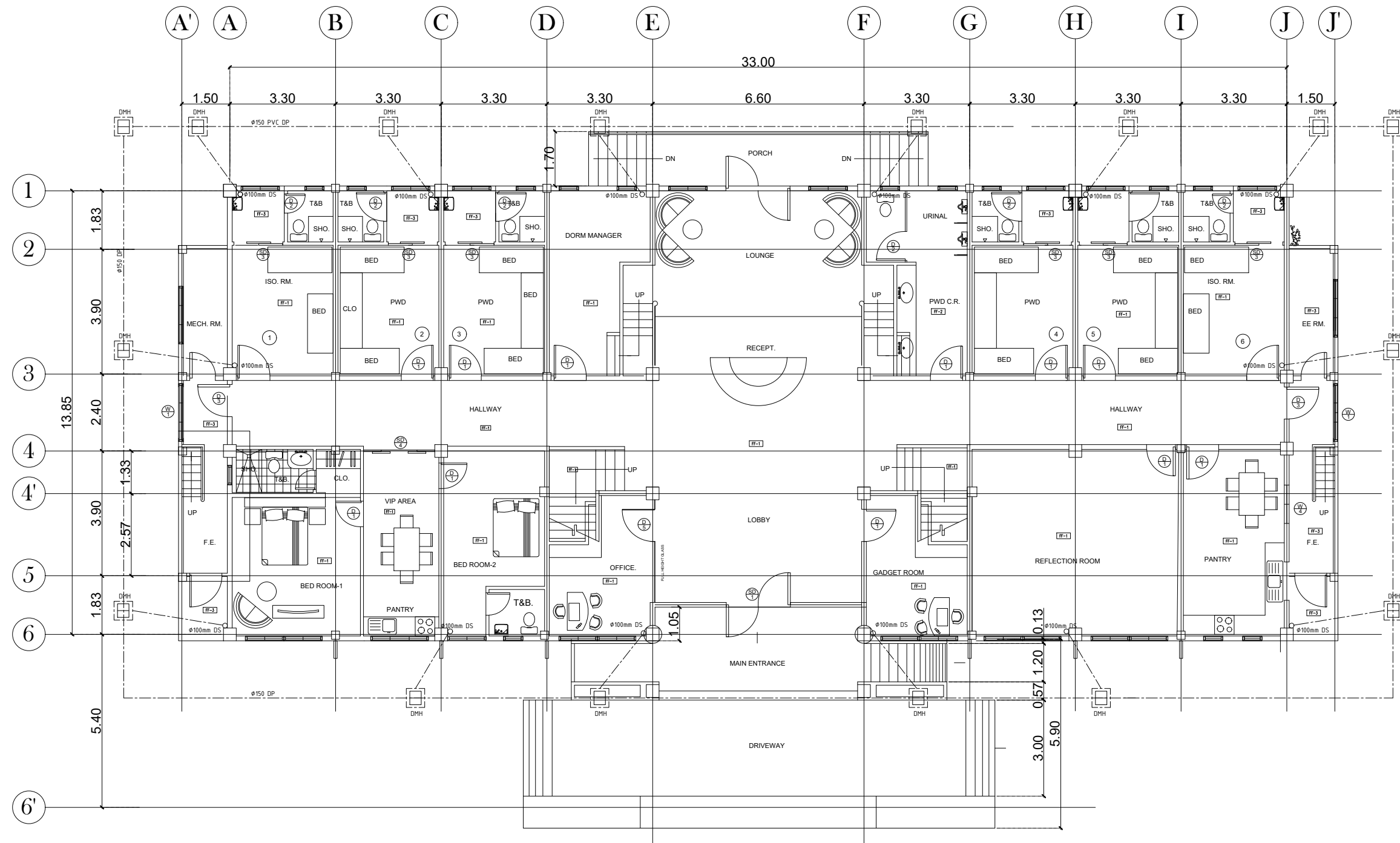
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ROOF DECK
WATER SUPPLY DISTRIBUTION SYSTEM LAYOUT

SCALE 1:150m


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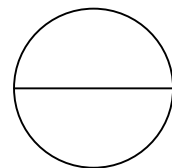
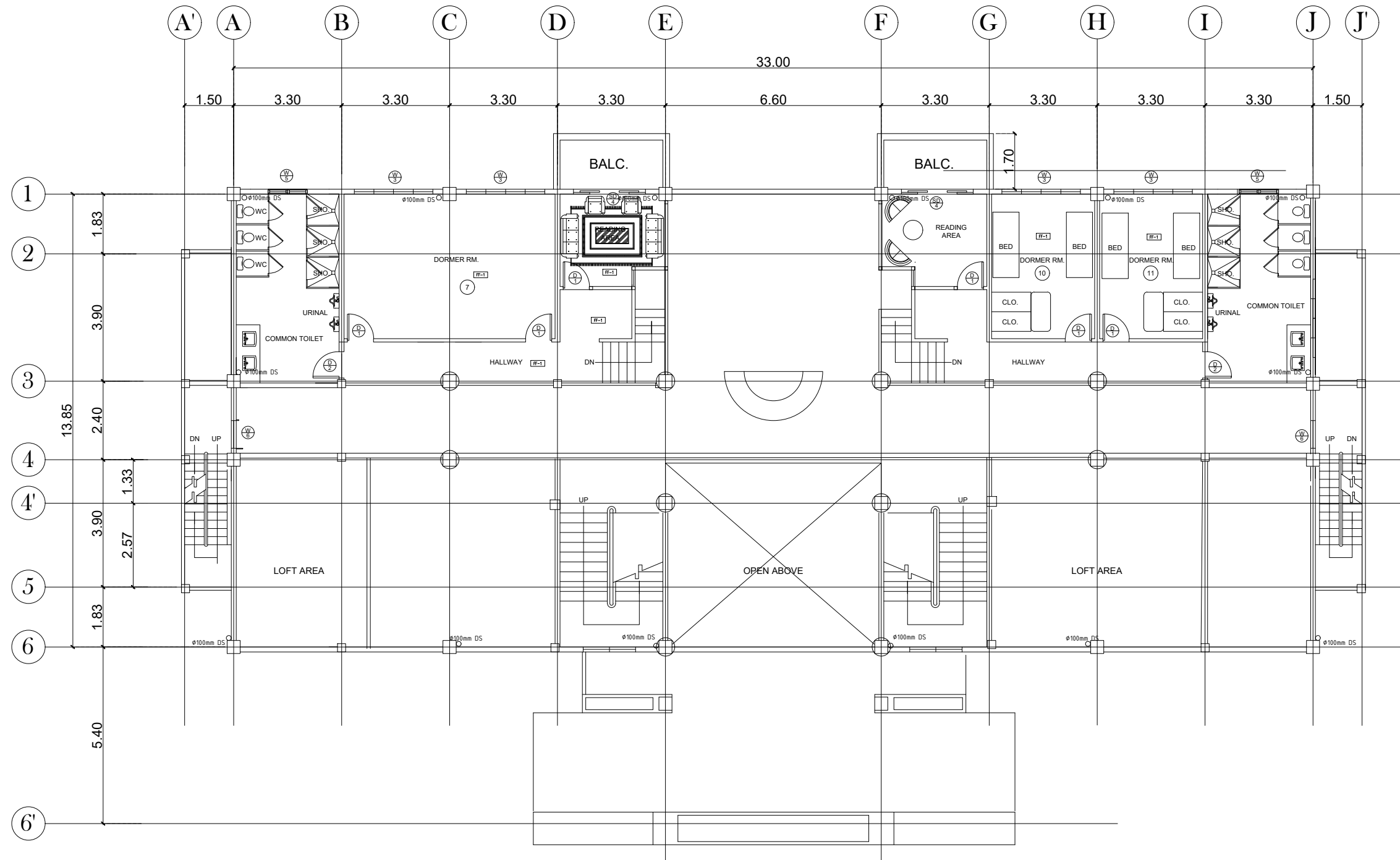


GROUND FLOOR
STORM WATER & DRAINAGE SYSTEM LAYOUT

SCALE

1:150m


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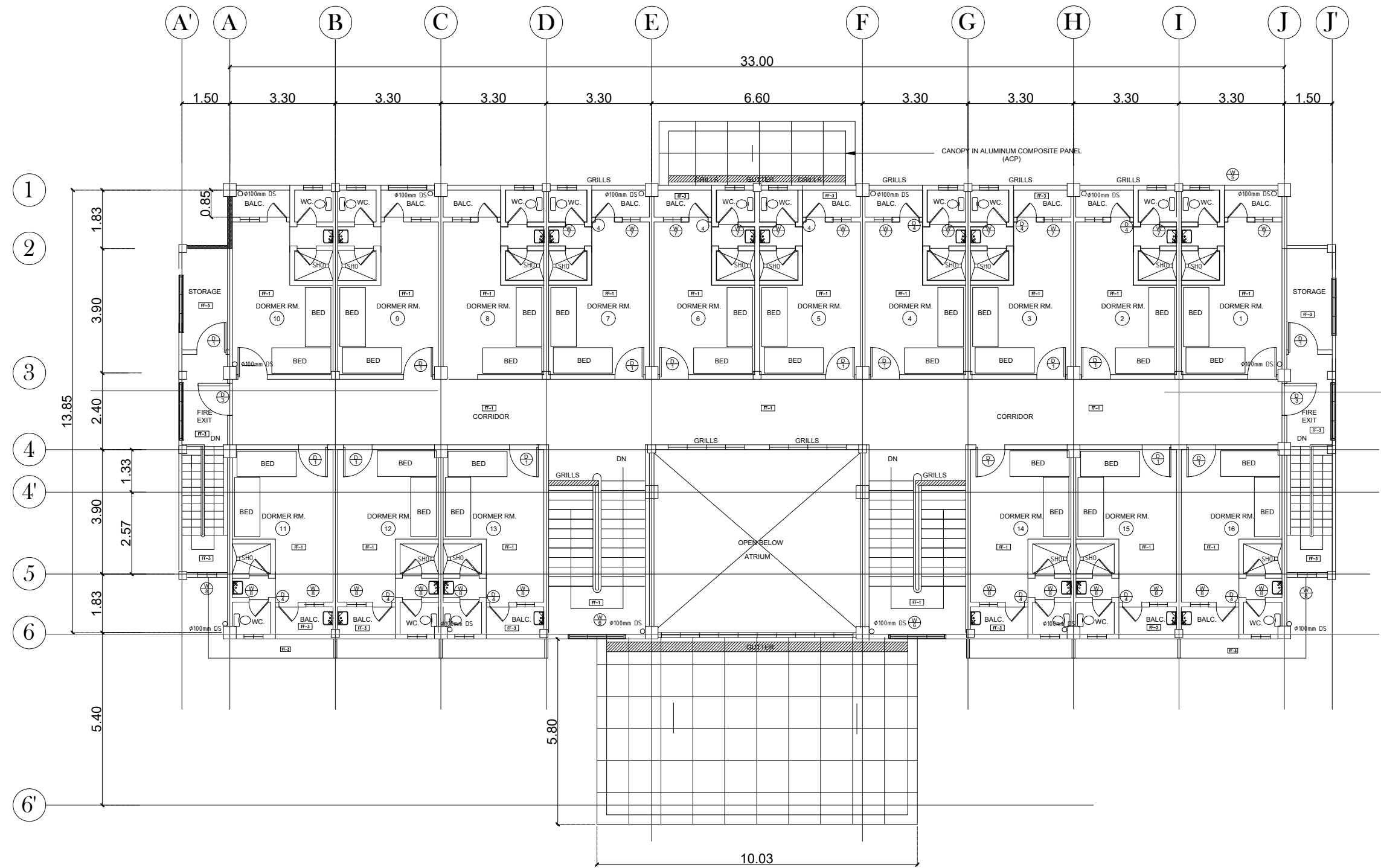


MEZZANINE FLOOR
STORM WATER & DRAINAGE SYSTEM LAYOUT


SCALE

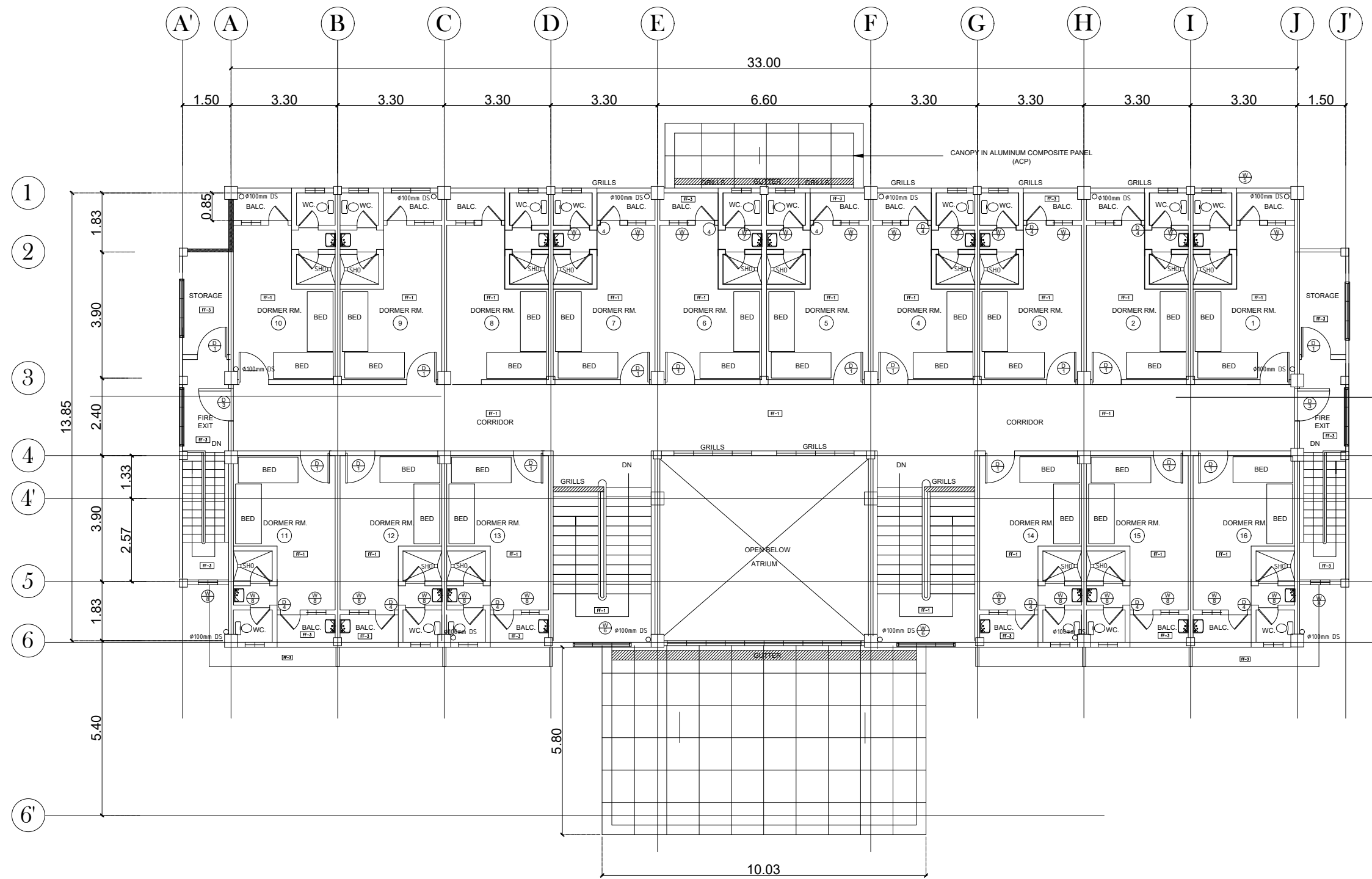
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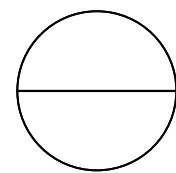
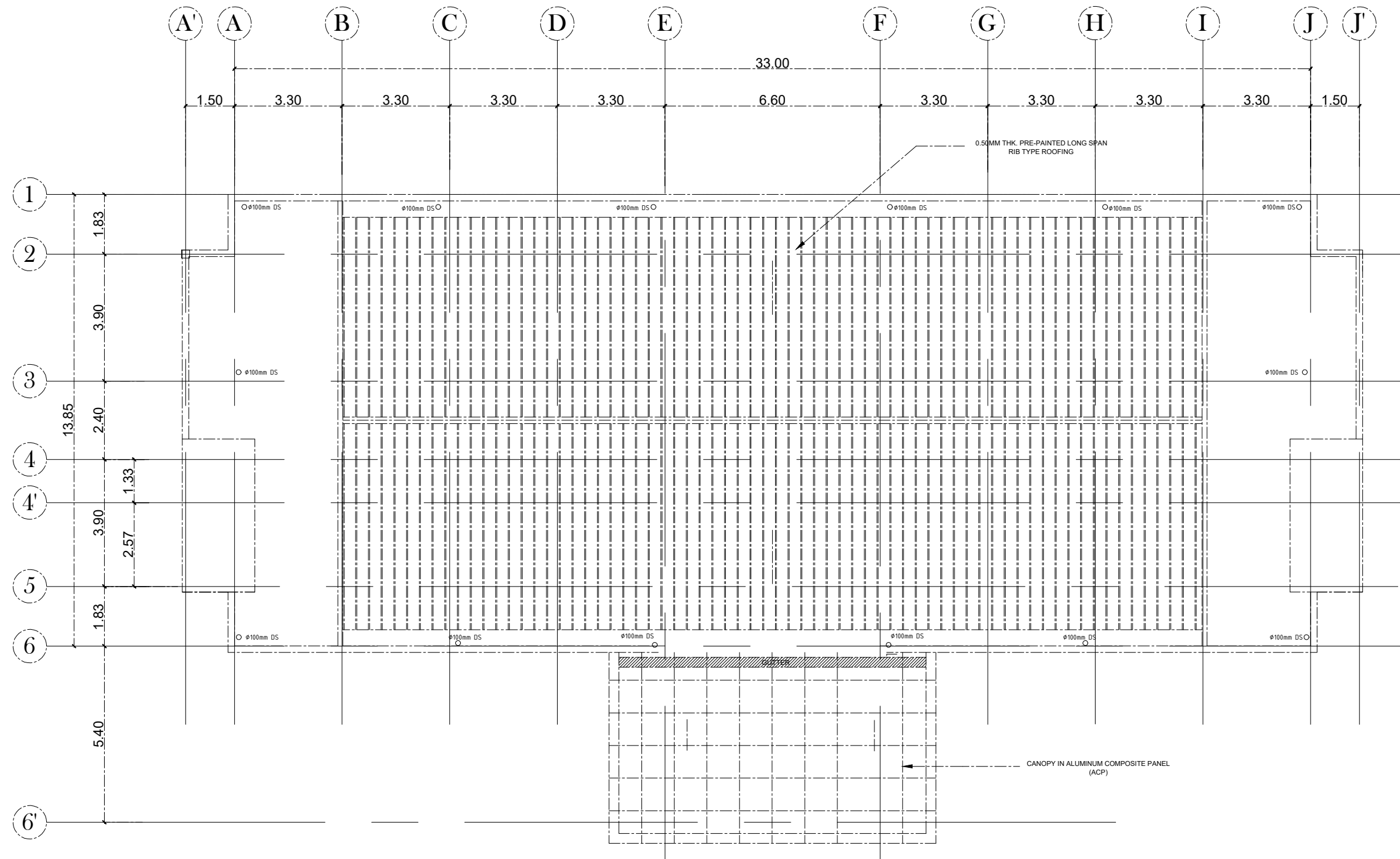

**SECOND FLOOR
STORM WATER & DRAINAGE SYSTEM LAYOUT**
 SCALE 1:150m

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**THIRD FLOOR
STORM WATER & DRAINAGE SYSTEM LAYOUT**
 SCALE 1:150m


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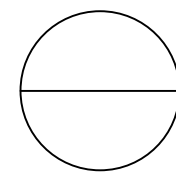
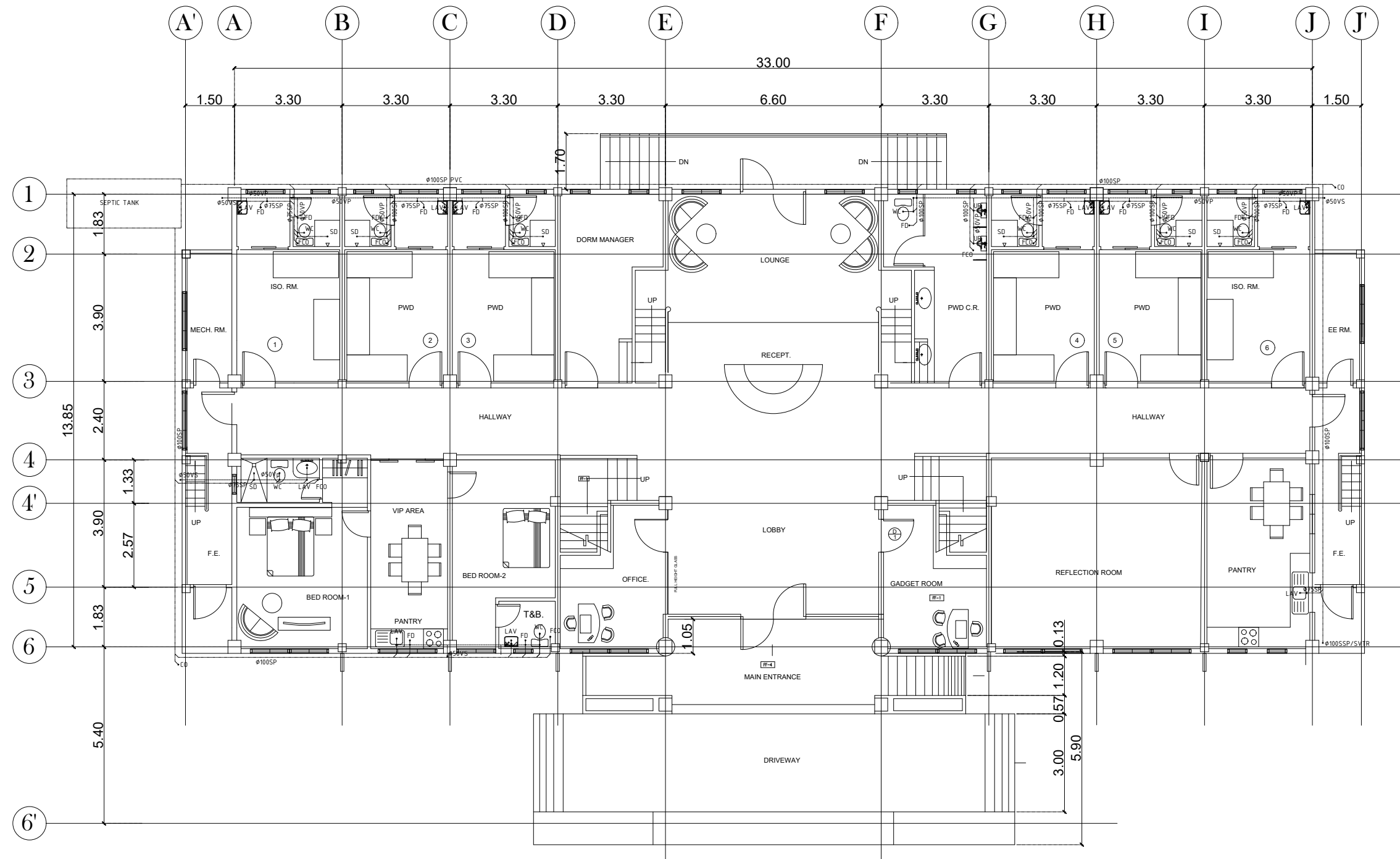


ROOF DECK
STORM WATER & DRAINAGE SYSTEM LAYOUT

SCALE

1:150m


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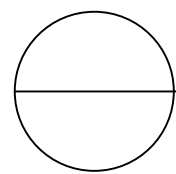
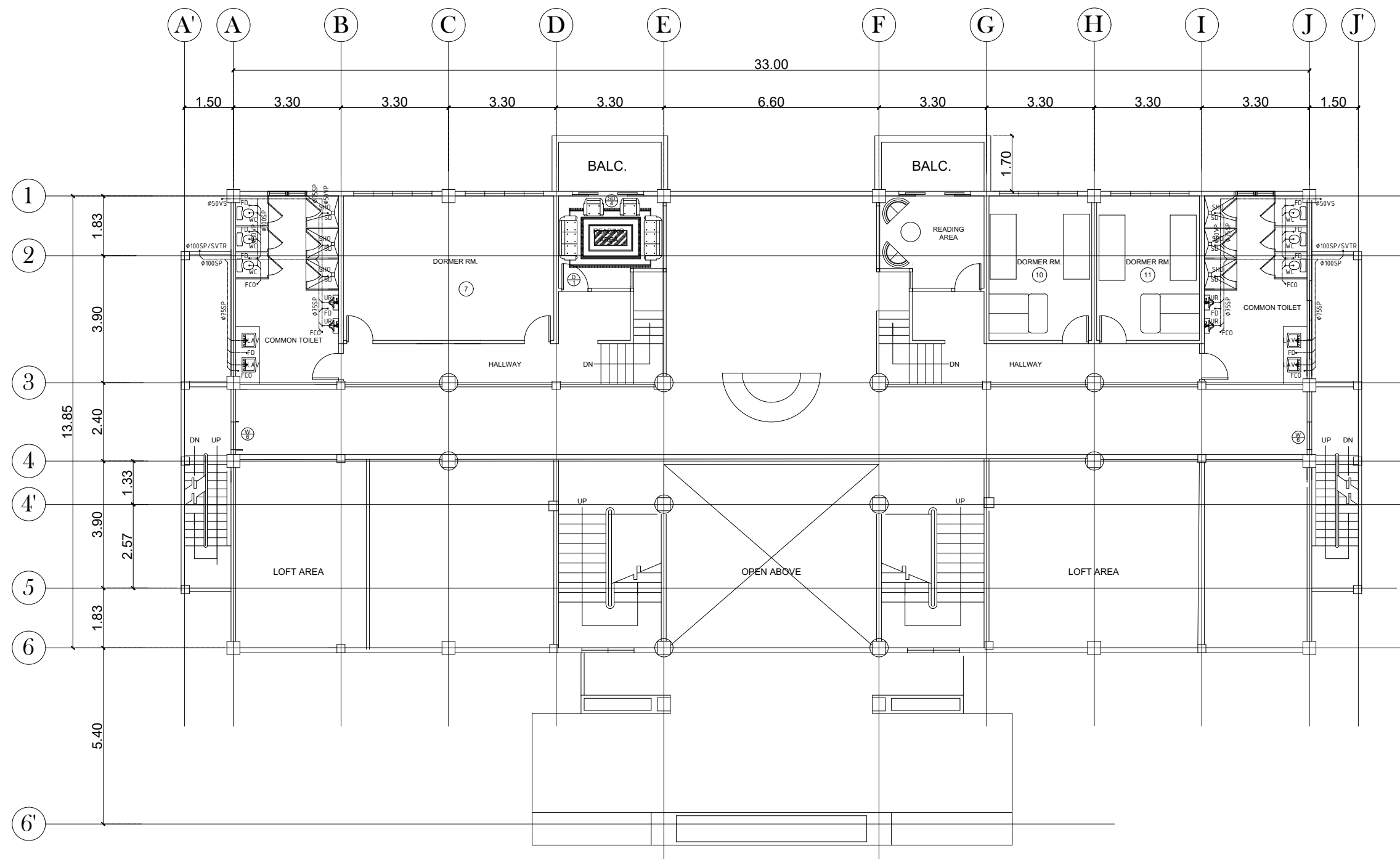


GROUND FLOOR
SANITARY SEWER AND VENT SYSTEM

SCALE

1:150m


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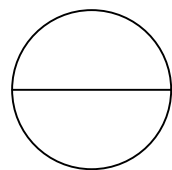
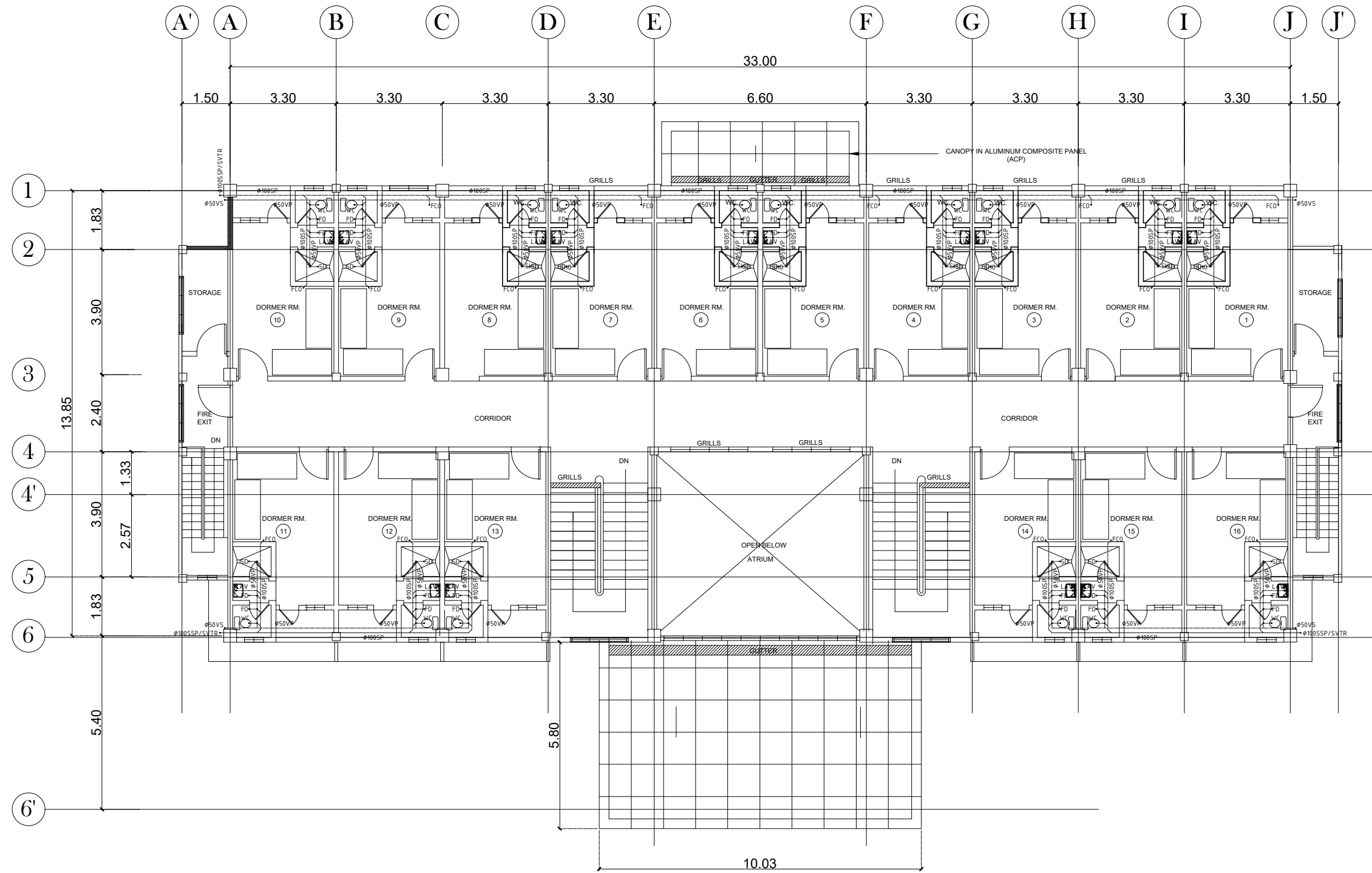


MEZZANINE FLOOR
SANITARY SEWER AND VENT SYSTEM

SCALE

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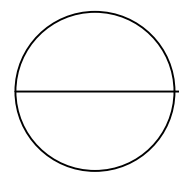
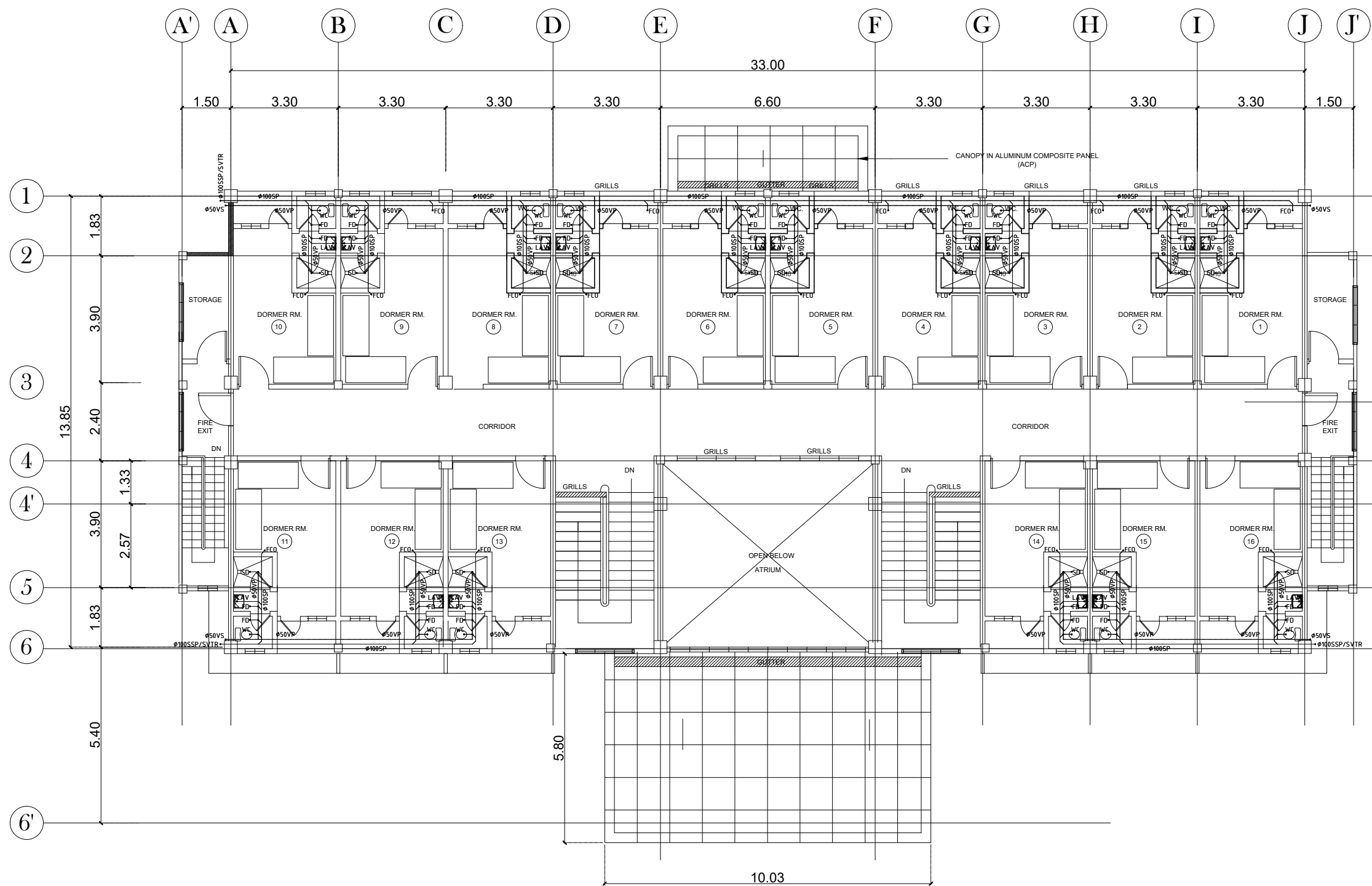


SECOND FLOOR
SANITARY SEWER AND VENT SYSTEM

SCALE

1:150m


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 <p>Republic of the Philippines DEPARTMENT OF SCIENCE AND TECHNOLOGY Philippine Science High School MIMAROPA Region Campus Brgy. Rizal, Odiongan, Romblon 5505</p>	<p>CONSTRUCTION OF DORMITORY BUILDING I</p>	<p><u>PLANNING TEAM</u></p>	<p><u>Meriam F. Fallar</u> FAD Chief</p>	<p><u>Edward C. Albaracin</u> Campus Director</p>	As Shown	PS
	Location: Brgy. Rizal, Odiongan Romblon 5505	Date Prepared:	Date:	Date:		14 15



THIRD FLOOR
SANITARY SEWER AND VENT SYSTEM

SCALE

1:150m

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