

**NOTES**

1. ALL DIMENSIONS IN THIS DRAWING ARE IN MM
2. DO NOT SCALE THIS DRAWING. USE FIGURED DIMENSIONS ONLY
3. ALL DRAWINGS MUST BE READ IN CONJUNCTION WITH ARCHITECTURAL LAYOUTS
4. ALL EQUIPMENT AND FITTINGS SHALL BE APPROVED OR HAVE AN EQUIVALENT CERTIFICATION WHERE REQUIRED
5. LEAKY PROVISION FOR ALL A/C CONDENSATE DRAINS AND ELECTRIC WATER HEATER DRAINS FOR MAINTENANCE PURPOSES TO BE CONNECTED AT THE AT WASH BASIN OUTLET IN BUILDING
6. A MINIMUM OF 25mm IS REQUIRED BETWEEN ANY TWO ITEMS PENETRATING BETWEEN WALLS/SLABS
7. NO WORK SHOULD BE DONE AT SITE WITHOUT APPROVED 'SHOP DRAWING'. ANY SUCH WORK IS AT THE CONTRACTOR'S RISK & COST
8. 'SHOP DRAWING' TO INCLUDE AT LEAST ROOF LEVELS, PIPE INVERTS, DOUBLE LINE PIPING, THE DIMENSIONS VALVES/FITTINGS TO SCALE ETC. SECTIONS, INSTALLATION DETAIL ETC. & TO BE WITH ALL TRADES
9. CONTRACTOR MUST ENSURE THAT ALL EQUIPMENT OFFERED/SUPPLIED ARE ABLE TO FIT INTO SPACES INTENDED
10. DRAINAGE CONTRACTOR TO COORDINATE WITH OTHER TRADES TO ENSURE SUFFICIENT SPACE IS AVAILABLE FOR ACCESS TO PIPING, VALVES ETC.
11. ALL EQUIPMENT TO BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATION
12. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL PIPING, VALVES, FITTINGS & ACCESSORIES/APPOINTANCES REQUIRED ARE SUPPLIED AS PART OF THIS CONTRACT AND COORDINATED WITH:
- a. ALL ARCHITECTURAL & REFLECTED CEILING PLANS
- b. ALL OTHER MEP SERVICES
- c. STRUCTURAL MEMBERS
- d. FINAL LOCATION OF EQUIPMENTS
- e. ALL ROOF DRAIN CATCHERS TO BE PROVIDED WITH DRAIN DRAIN
- f. ALL WATER SUPPLY PIPES SHALL BE INSTALLED AT LEAST 1.5M AWAY FROM THE ROOF RAIL LINE OR SUPPLY TANK
- g. LEAK AND DRAINAGE TESTS SHALL BE CARRIED OUT AFTER THE PIPES ARE INSTALLED AND CONSULTANT CERTIFICATE SHALL BE SUBMITTED TO AUTHORIZED ENGINEERS
- h. PIPING MATERIAL FOR DRAINAGE SYSTEM SHALL BE AS FOLLOWS:
  - 1. INTERNAL WASTE PIPES (UP TO 100mm) SHALL BE UPVC TO BS EN 1228 (BS 4570)
  - 2. ALL ABOVE GROUND PIPES - 100mm SHALL BE UPVC TO
  - 3. ALL UNDER GROUND PIPES - 100mm SHALL BE UPVC TO BS EN 1401 (BS 4604 & 5401)
  - 4. ALL PIPES PENETRATING THROUGH ROOF SHALL BE WITH FLANGE 150mm
  - 5. ALL PIPES WHICH ARE PASSING THROUGH THE WALLS OR SLABS SHALL BE SLOTTED
  - 6. CLEAN OUTLETS COVERS SHALL BE MATCH WITH FINISHING FLOOR
  - 7. BENDING INTO CORNER CLEAN OUT SHALL BE PROVIDED FOR ALL SCHEDULED PVC PIPES
- i. ANY DRAINAGE PIPE RUN UNDER THE BUILDING OR AT A DEPTH OF 900mm OR LESS IN PENETRATION AREA OR IN A DITCH OF 100mm OR LESS THROUGH SLAB SHALL BE SURROUNDED WITH 100mm THICK CONCRETE SURROUND AND SHALL BE CONCRETE HAUNCHED

**REVISION**

REV. NO.	DESCRIPTION	DATE



**PROJECT:**

**PROPOSED KISII CANCER CENTRE AT KISII TEACHING AND REFERRAL HOSPITAL**

**FINANCIERS:**

ARAB BANK FOR ECONOMIC DEVELOPMENT IN AFRICA



SAUDI FUND FOR DEVELOPMENT



**CLIENT:**

REPUBLIC OF KENYA



KISII COUNTY GOVERNMENT



**CONSULTANTS:**

SCHON AND ASSOCIATES

NARCO ENGINEERING CONSULTANTS



**DRAWING TITLE:**

ROOF HVAC LAYOUT

SCALE : 1:50 @ A1

DATE : DEC 2020

DRAWN BY : CK

CHECKED BY SMO

APPROVED BY : SMO

REV

REV.DATE

DRAWING NUMBER : HVAC 06