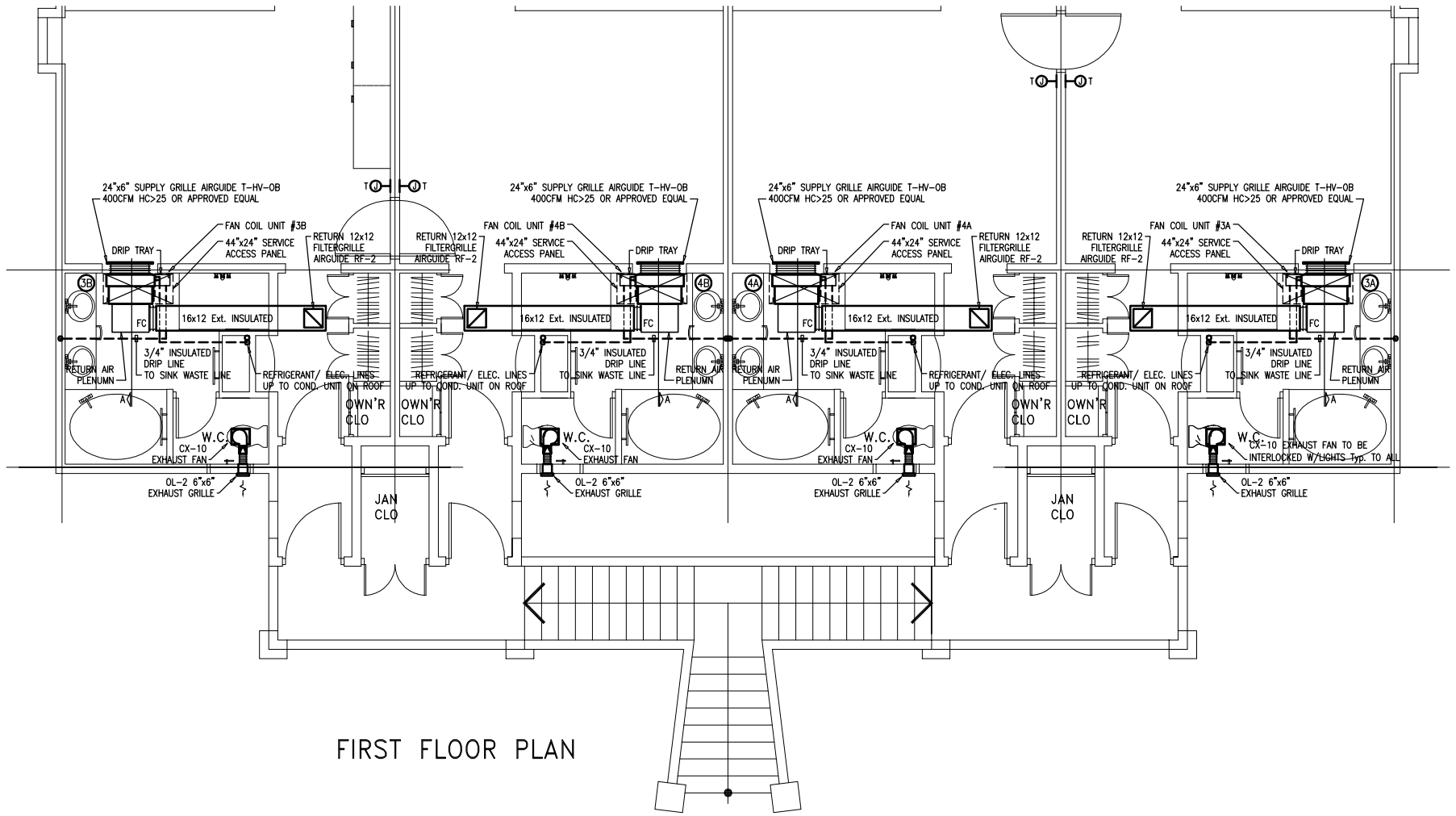
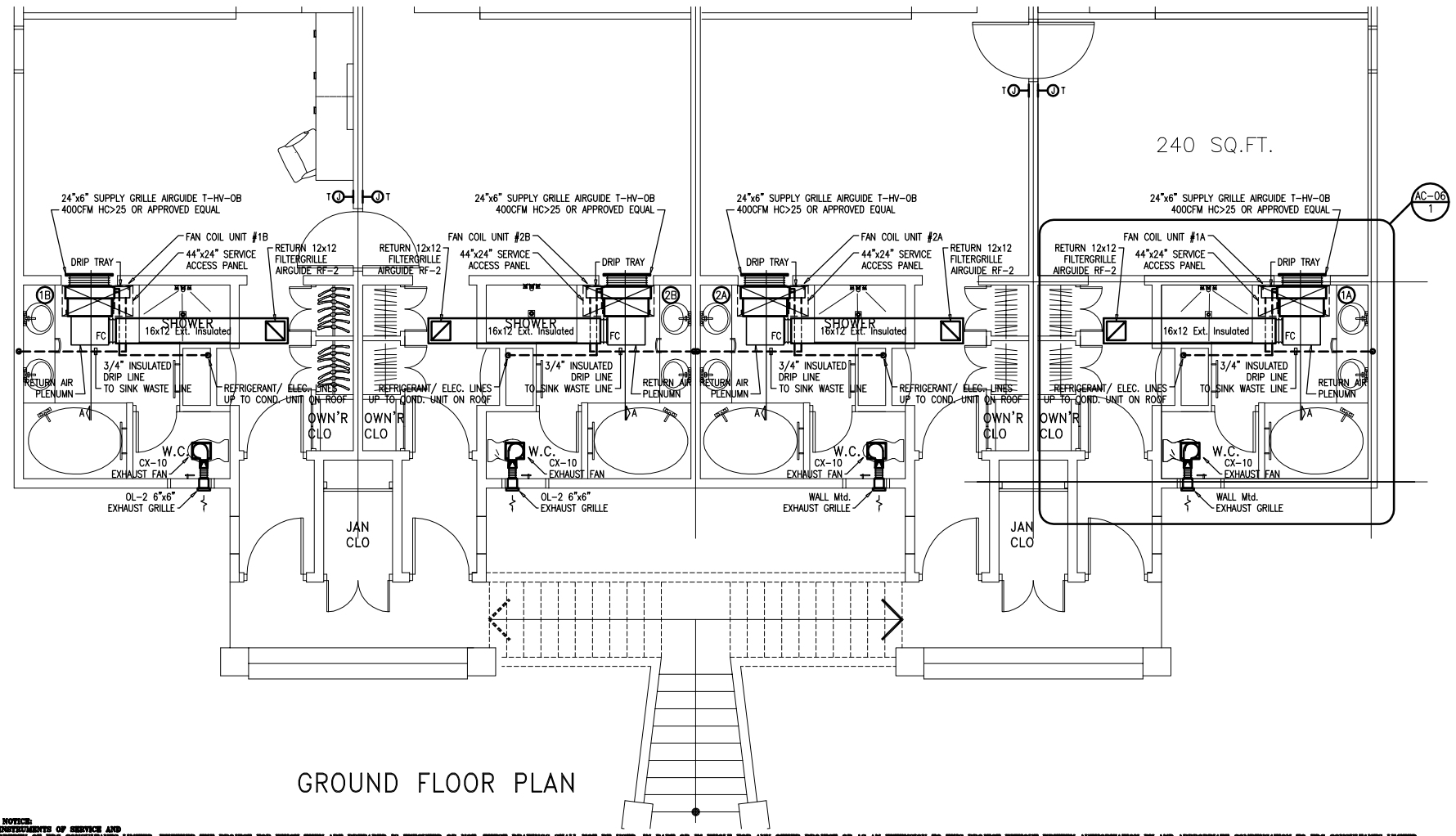


FIRST FLOOR PLAN



GROUND FLOOR PLAN

NOTES

1. THE HVAC CONTRACTOR SHALL BE RESPONSIBLE FOR :
   (a) COMPLIANCE WITH THE LOCAL RELEVANT HVAC CODES.
   (b) VERIFICATION OF ALL DIMENSIONS ON SITE AND FITTING OUT OF HIS WORK WITHIN THE BUILDING.
   (c) COORDINATION WITH THE OTHER SUB-CONTRACTORS ON THE FINAL LOCATION OF DUCTWORK, GRILLES, THERMOSTATS ETC. TO ENSURE NO OBSTRUCTIONS WITH THE OTHER TRADES.
   (d) IDENTIFICATION AND MARKING OUT OF ALL AND/OR FLOOR PENETRATIONS TO BE CARRIED OUT BY THE MAIN CONRACTOR.
   (e) REFERRING TO ARCHITECTURAL AND STRUCTURAL AND STRUCTURAL DRAWINGS FOR CONFIRMATION OF ALL ON-SITE DIMENSIONS.
2. ALL DIFFUSERS TO BE SIZED AS INDICATED - CFM RATING SHOWN.
3. THE A/C CONTRACTOR IS TO INDEPENDENTLY SUPPORT FLEXIBLE DUCTWORK AROUND TRUSSES & JOISTS.
4. ALL CONTROL WIRING IS TO BE ROUTED CLEAR OF FLUORESCENT FIXTURES & POWER CABLES.
5. THE HVAC CONTRACTOR SHALL SUPPLY AND INSTALL THE FOLLOWING:-
   (a) A/C EQUIPMENT, DUCTWORK & THERMOSTATS.
   (b) FRESH-AIR GRILLES & VOLUME DAMPERS.
   (c) ALL OFF-SETS REQUIRED TO KEEP DUCTS CLOSE TO WALLS, BEAMS, COLUMNS AND OR SOFFIT OF SLAB AS MAY BE REQUIRED TO AVOID ANY OBSTRUCTIONS.
6. ALL SUPPLY AND RETURN AIR DUCTWORK TO BE EXTERNALLY INSULATED EXCEPT EXTERNAL DUCTWORK WHICH WILL BE INTERNALLY INSULATED.
7. ALL EXHAUST DUCT TO BE UNINSULATED.
8. ALL EXTERNAL DUCTWORK TO BE SEALED AT ALL JOINTS WITH NON HARDENING COMPOUND.
9. ALL EQUIPMENT AS SHOWN SHOULD BE INSTALLED WITH FULL CONSIDERATION FOR ALL OTHER TRADES, AND ON SITE CONDITIONS.
10. CONDENSATE DRAINS TO BE SUPPLIED BY A/C CONTRACTOR.
    DRAINS TO BE SIZED AS FOLLOWS:-
    12,000 & 30,000 B.T.U - 3/4"ø PVC w/ 1/2" THK. INSULATION
    36,000 B.T.U & ABOVE - 1"ø PVC w/ 1/2" THK. INSULATION
    NOTE: THE INSTALLATION OF CONDENSATE DRAINS TO BE CAREFULLY CO-ORDINATED BET'N ALL RELEVANT TRADES.
11. ALL REFRIGERANT PIPEWORK & CONDENSATE LINES TO BE CO-ORDINATED w/ THE ELECTRICAL CONTRACTOR.
12. ALL REFRIGERANT PIPEWORK TO BE RUN WITHIN WALLS AND THE CEILING VOID ONLY. EXPOSED REFRIGERANT PIPEWORK WILL NOT BE ACCEPTED
13. ALL PIPEWORK SUPPORT DETAILS TO BE SUBMITTED TO ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
14. HVAC CONTRACTOR TO CONFIRM EQUIPMENT CONFIGURATION PRIOR TO INSTALLATION. TECHNICAL SUBMITTALS MUST BE PROVIDED.
15. IT IS THE HVAC CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL EQUIPMENT CAN PROPERLY OPERATE WITHIN THE GIVEN SPACE CONSTRAINTS. ADDITIONAL ACCESSORIES SUCH AS C.U CHUTES MAY BE ADDED AS DETERMINED BY THE CONTRACTOR, AT NO ADDITIONAL COST TO THE CLIENT.
16. THE HVAC CONTRACTOR SHALL VERIFY ALL PIPE SIZES & ROUTES PRIOR TO COMMENCEMENT OF WORKS.
17. SUCTION LINES SHOULD BE DESIGNED AS FOLLOWS:
    (a) FOR A TOTAL PRESSURE DROP OF 3psi.
    (b) FOR SUFFICIENT VELOCITY TO RETURN OIL TO THE COMPRESSOR
    (c) TO PREVENT LIQUID REFRIGERANT FROM DRAINING INTO THE COMPRESSOR DURING THE "OFF" CYCLE
    (d) WHEN A SUCTION LINE RISER IS 30" OR MORE IN LENGTH A TRAP SHOULD BE INSTALLED EVERY 15' OF VERTICAL RISE
18. LIQUID LINES SHOULD BE DESIGNED FOR:
    (a) FOR A TOTAL PRESSURE DROP DUE TO FRICTION LOSS OF 3 TO 6psi.
    (b) SUB COOLED LIQUID REACHING THE REFRIGERANT CONTROL DEVICE TO PREVENT FORMATION OF FLASH GAS
19. THE LOCATION OF THE EXPANSION VALVE BULB SHOULD BE AS NEAR THE EVAPORATOR OUTLET AS POSSIBLE WITH GOOD THERMAL CONTACT BETWEEN THE BULB AND THE LINE. IT SHOULD BE ATTACHED SECURELY TO THE SUCTION LINE, ON A STRAIGHT LENGTH OF HORIZONTAL TUBING. IF A VERTICAL LINE MUST BE USED THE BULB SHOULD BE MOUNTED SO THAT THE CAPILLARY TUBE TO THE BELLOWS COMES OUT THE TOP. THE BULB SHOULD BE ON TOP OF THE LINE WITH TUBING SMALLER THAN 7/8"ø AND AT APPROX. 45° ANGLE WITH TUBING LARGER THAN 7/8"ø.

HILLSIDE SUITES
AIR CONDITIONING EQUIPMENT

FAN COIL UNIT #1 - DAIKIN Super Multi PLUS
Model CDK(X)35HA 12,000 Btu/hr.

FAN COIL UNIT #2 - DAIKIN Super Multi PLUS
Model CDK(X)50HA 20,000 Btu/hr.

FAN COIL UNIT #3 - DAIKIN Super Multi PLUS
Model CDK(X)35HA 12,000 Btu/hr.

FAN COIL UNIT #4 - DAIKIN Super Multi PLUS
Model CDK(X)35HA 12,000 Btu/hr.

FAN COIL UNIT #5 - DAIKIN Super Multi PLUS
Model CDK(X)50HA 20,000 Btu/hr.

FAN COIL UNIT #6 - DAIKIN Super Multi PLUS
Model CDK(X)35HA 12,000 Btu/hr.

CONDENSING UNIT #1 - DAIKIN Super Multi PLUS
Model RMK(X)140JVMC Approx. 50,000 Btu/hr.

CONDENSING UNIT #2 - DAIKIN Super Multi PLUS
Model RMK(X)140JVMC Approx. 50,000 Btu/hr.

REVISION	DATE	DESCRIPTION	BY	APP'D

OBM

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Miami
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CABLE BAY PROPERTY DEVELOPMENT

edc

EDC CONSULTANTS LTD
42, Lois Street, Woodbrook, P.O.S., Trinidad, W. Tele: (868)628-8604 Fax:(868)622-7775

FILE NAME:

TRADE: MECHANICAL

DWG. TITLE: BEACHFRONT SUITES-Gr. & 1st. Fl. AIR CONDITIONING LAYOUT

DESIGNED: EDC.C.L	CHECKED:	PROJECT No.: 05-030
DRAWN: 年華里	SCALE: 1/4"=1'	DWG. No.: AC-04
DATE: 09.04.06	APP'D:	

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REVISION	DATE	DESCRIPTION	BY	APP'D