GENERAL NOTES

1. APPLICABLE CODES AND STANDARDS - PROVIDE ALL INSTALLATIONS AND MATERIALS IN ACCORDANCE WITH THE FOLLOWING REGULATIONS AND CODES AS NOTED. THESE ARE APPLICABLE TO THE FULL EXTENT UNLESS MORE STRINGENT REQUIREMENTS ARE INDICATED ON DRAWINGS, AND/OR SPECIFIED.

   A. ENVIRONMENT PROTECTION AGENCY (EPA) REGULATIONS
   B. OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION (OSHA) REGULATIONS
   C. AMERICANS WITH DISABILITIES ACT (ADA)
   D. THE BUILDING OFFICIALS AND CODE ADMINISTRATORS (BOCA) NATIONAL BUILDING CODE
   E. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) INCLUDING

      1) NFPA 70, NATIONAL ELECTRICAL CODE (NEC) 2002
      2) NFPA 101, CODE FOR SAFETY TO LIFE FROM FIRE IN BUILDINGS AND STRUCTURES (LIFE SAFETY CODE)

   F. NATIONAL BOARD OF FIRE UNDERWRITERS
   G. NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)
   H. INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE)
   I. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)

      1) ANSI C2, NATIONAL ELECTRICAL SAFETY CODE

   J. UNDERWRITERS LABORATORIES (UL)
   K. ILLUMINATION ENGINEERING SOCIETY (IES)
   L. AMERICAN SOC. FOR THE TESTING OF MATERIALS (ASTM)
   M. D.C. CODES

2. THE WORDS "PROVIDE" AND "INSTALL": SHALL MEAN THAT THE CONTRACTOR SHALL FURNISH ALL NECESSARY ITEMS AND MATERIALS FOR EQUIPMENT, DEVICES, WIRES AND CONDUITS, AND SUPPORTS AS SHOWN ON THE DRAWINGS AND SPECIFICATIONS, AND TO COMPLETE THE INSTALLATION READY FOR USE IN ACCORDANCE WITH CODE REQUIREMENTS, AND INTENT OF THE SCOPE OF OF THE WORK.

3. PERMITS, LICENSES & FEES: THE CONTRACTOR SHALL PAY ALL REQUIRED FEES AND SHALL OBTAIN ALL NECESSARY PERMITS AND LICENSES FOR WORK TO BE PERFORMED.

4. GUARANTEE: INSTALLATIONS SHALL BE GUARANTEED FOR WORKMANSHIP, AND MATERIALS AGAINST ANY DEFECTS, FAILURE OF PROPER PERFORMANCE, AND NON-OPERATION, FOR ONE YEAR AFTER DATE OF ACCEPTANCE. DURING THE GUARANTEE PERIOD THE CONTRACTOR SHALL PAY ALL COST INVOLVED FOR FULFILLING THE GUARANTEE OF ALL WORKMANSHIP AND MATERIALS.

5. TEMPORARY WIRING: TEMPORARY WIRING SHALL COMPLY WITH THE REQUIREMENTS OF NEC 2002. TEMPORARY WIRING SHALL BE REMOVED IMMEDIATELY UPON COMPLETION OF CONSTRUCTION. TEMPORARY SERVICE CONNECTIONS SHALL BE MADE IN CONFORMANCE WITH ELECTRICAL POWER COMPANY'S REQUIREMENTS.

6. ASSURED EQUIPMENT GROUNDING CONDUCTOR PROGRAM: ALL EQUIPMENT GROUNDING CONDUCTORS SHALL BE INSTALLED IN ACCORDANCE WITH ELECTRICAL POWER COMPANY'S REQUIREMENTS AND NEC.

7. COORDINATE: WITH SITE CONDITIONS, OTHER DECIPLINES, INFORMATION ON THE DRAWINGS AND SPECIFICATIONS BEFORE ORDERING ANY MATERIALS AND STARTING WORK. COORDINATE ANY DISCREPANCIES WITH ARCHITECT, OWNER AND LOCAL AUTHORITIES.

8. USE MANUFACTURER'S INSTALLATION RECOMMENDATIONS: AS MUCH AS POSSIBLE. TAKE ALL NECESSARY PRECAUTIONS TO PROTECT ALL EQUIPMENT AND MATERIALS FROM DAMAGE DURING CONSTRUCTION. THE OWNER MAY REJECT ANY MATERIALS, WHICH HAVE BEEN DAMAGED BY PHYSICAL ABUSE OR WEATHER EXPOSURE.

9. PROVIDE WEATHERPROOF SEALING: AND FIRE STOPPING FOR ALL WALL AND CEILING PENETRATIONS. EXTERIOR WALLS AND ROOF PENETRATIONS SHALL BE WATERTIGHT INSTALLATION.

10. MEASURE THE AVAILABLE GROUND RESISTIMTY: FOR THE ELECTRICAL SYSTEMS AND PROVIDE THE RESULTS TO THE ARCHITECT AND THE OWNER. MODIFY THE GROUNDING AS NECESSARY TO COMPLY WITH THE NEC. USE ONLY COPPER-CLAD GROUND RODS CONFORMING TO UL467.

11. PROVIDE WARNING SIGNS: AS REQUIRED. REMOVE ALL GARBAGE AND WASTE FROM THE SITE REGULARLY. SITE SHALL BE KEPT CLEAN AND SAFE AT ALL TIMES.

12. PROVIDE AN INSULATED EQUIPMENT GROUNDING IN EACH RACEWAY/CONDUIT AND BOND TO EQUIPMENT/RACEWAYS AS SPECIFIED EQUIPMENT GROUNDING CONDUCTOR SIZES TABLE IN NEC CODE ARTICLE 250-95.

13. PROVIDE CONDUIT BODY DRAIN SEAL FITTINGS, LOCATED ON THE WARM AREA SIDE IN CONDUITS THAT ENTER COLD AREAS FROM WARM AREAS. INSTALL FITTINGS SUCH THAT CONDUITS CAN BE DRAINED TO PREVENT THE ACCUMULATION OF WATER ABOVE THE SEAL.

14. EMERGENCY LIGHTING FIXTURES SHALL BE CONNECTED AHEAD OF LOCAL SWITCHING, AND SHALL PROVIDE LIGHT WHEN A POWER FAILURE OCCURS.

15. MAINTAIN SEPARATION OF EMERGENCY CIRCUIT WIRING FROM NORMAL CIRCUIT WIRING PER NEC CODE. SECURELY AND ELECTRICALLY BOND ALL NON-CURRENT CARRYING METALLIC PART OF STRUCTURES, ELECTRICAL EQUIPMENT AND RACEWAYS TO THE GROUNDING SYSTEMS.

16. MAINTAIN SEPARATION OF POWER WIRING AND TELECOMMUNICATIONS CABLES AS PER NEC CODE.

17. COORDINATE THE LOCATIONS AND MOUNTING HEIGHTS OF LIGHTING FIXTURES IN MECHANICAL & ELECTRICAL ROOMS WITH THE FINAL LOCATIONS OF PIPES, DUCTS AND OTHER EQUIPMENT FOR BEST AGREEMENT. FIXTURES SHALL BE EASILY ACCESSIBLE FOR RELAMPING.

18. COORDINATE ROOF AND FLOOR PENETRATIONS WITH FIELD CONDITIONS, OTHER TRADES, AND ARCHITECTURAL/STRUCTURAL WORK. LOCATED PENETRATIONS SO AS NOT TO AFFECT STRUCTURAL INTEGRITY OR WEATHER TIGHTNESS.

19. DISCONNECT SWITCHES WHERE NOT INDICATED ON EQUIPMENT SHALL BE PROVIDED WHERE REQUIRED PER NEC CODE.

20. CONTRACTOR SHALL BE RESPONSIBLE FOR BALANCING CHANGES TO THE LOADS ON THE SERVICE SYSTEM, ALL DISTRIBUTION SYSTEM AND BRANCH CIRCUITS SYSTEM, THAT ARE THE RESULT OF DEVIATING FROM THE PROJECT DOCUMENT SO THAT THE VARIATION IN AMPERES PER PHASE READINGS SHALL NOT EXCEED 5% UNDER NORMAL OPERATING CONDITIONS, SPECIAL CARE SHALL BE TAKEN DURING LOAD BALANCING TO PREVENT REVERSE OPERATION OF THE MOTORS.

21. CONTRACTOR SHALL RUN ALL CONDUITS CONCEALED IN FLOOR SLAB, WALLS OR COLUMNS EXCEPT ELECTRICAL AND MECHANICAL ROOMS.

22. ALL ELECTRICAL EQUIPMENT DEVICES, ENCLOSURES, FIXTURES & WIRING SHALL BE LABELED WITH SOURCE PANEL AND CIRCUIT NUMBER. ALL WIRING SHALL BE COPPER INCLUDING GROUND WIRE, NO ALUMINUM IS PERMITTED. ALL EQUIPMENT SHALL HAVE COPPER BUSES WINDING & BUS DUCTS.

ELECTRICAL SYMBOLS

LIGHTING

- $ — 120V, 20A, SINGLE POLE LIGHT SWITCH
- $3 — 120V, 20A, SINGLE POLE, 3 WAY LIGHT SWITCH
- $a — SUBSCRIPT a INDICATES SWITCHING CONTROL
- EXIT LIGHT FIXTURE, ARROW INDICATES DIRECTION OF EXIT SINGLE FACE (= DOUBLE FACE)
- EXIT LIGHT FIXTURE, ARROW INDICATES DIRECTION OF EXIT SINGLE FACE (= DOUBLE FACE) CEILING MOUNTED
- EMERGENCY LIGHT UNIT, TWIN LAMPS WITH SELF CONTAINED BATTERY BACK-UP SURFACE / WALL MOUNTED FIXTURE
- EMERGENCY LIGHT REMOTE FIXTURE / LAMP HEAD
- 2'x4' FLUORESCENT FIXTURE
- 2'x4' FLUORESCENT FIXTURE UNSWITCHED
- 2'x2' FLUORESCENT FIXTURE
- 2'x2' FLUORESCENT FIXTURE UNSWITCHED
- 1'x4' FLUORESCENT FIXTURE
- 1'x4' FLUORESCENT FIXTURE UNSWITCHED
- HID INCANDESCENT FIXTURE.

CONVENIENCE AND POWER OUTLETS

- DUPLEX RECEPTACLE, FLUSH MOUNTED (UNO), 20A, 125 VOLT, 1 PHASE, 2 POLE 3 WIRE, GRD, NEMA 5-20R, M.H. 1'-6" AFF (UNO)
- DOUBLE DUPLEX RECEPTACLE, FLUSH MOUNTED (UNO), 20A, 125 VOLT, 1 PHASE, 2 POLE 3 WIRE, GRD, NEMA 5-20R, M.H. 1'-6" AFF (UNO)
- GFI — DUPLEX RECEPTACLE, FLUSH MOUNTED (UNO), 20A, 125 VOLT, 1 PHASE, 2 POLE 3 WIRE, GRD, NEMA 5-20R, BUILT-IN GFI
- GFI WP — DUPLEX RECEPTACLE, FLUSH MOUNTED (UNO), 20A, 125 VOLT, 1 PHASE, 2 POLE 3 WIRE, GRD, NEMA 5-20R, BUILT-IN GFI WITH SPRING LOADED COVER PLATE.
- CLOCK HANGER

WIRING TO EQUIPMENT

- EQUIPMENT CONTROL PANEL PROVIDED WITH EQUIPMENT
- 3 POLE SAFETY DISCONNECT SWITCH, NON FUSIBLE TYPE 30 AMP, 3 POLE, 240V UNLESS NOTED OTHERWISE.
- F — 3 POLE SAFETY DISCONNECT SWITCH, FUSIBLE TYPE 30 AMP, 3 POLE, 240V, FUSE SIZE AS INDICATED, UNLESS RATING NOTED OTHERWISE.
- COMBINATION MOTOR CONTROLLER WITH OVERLOAD COIL FVNR, AND DISCONNECT SWITCH, HP RATED, H-O-A SWITCH
- THERMAL MANUAL MOTOR CONTROLLER, HP RATED, NEMA 3R UNLESS NOTED OTHERWISE.
- MOTOR, RATING AS INDICATED, SERVING EQUIPMENT AS DESIGNATED

GENERAL WIRING

- 208/120V PANELBOARD, SURFACE MOUNTED
- LB-2,4,6 — HOME RUN TO PANELBOARD. LB INDICATES PANELBOARD, ARROWS INDICATE NUMBER OF CIRCUITS, 2,4,6 INDICATE CIRCUIT NUMBERS AND HASHMARKS INDICATE NUMBER OF CONDUCTORS (4 #12+ #12 GROUND IN 3/4" C). NO HASHMARK DENOTES 2 # 12+1 #12 GROUND IN 3/4" CONDUIT UNLESS OTHERWISE NOTED. MINIMUM CONDUCTOR SIZE #12 AND MINIMUM CONDUIT SIZE 3/4". INSULATED GROUNDING CONDUCTOR SHALL BE MINIMUM NO. 12.
- GROUND CONNECTION
- 200AT / 225AF — MOLDED CASE CIRCUIT BREAKER BOLT ON TYPE (200AMP TRIP, 225 AMP FRAME)
- P — PULL BOX (W=WIRE TROUGH) (SIZE PER NEC)
- J — JUNCTION BOX (SIZE PER NEC)
- CONDUIT TURNS TOWARD VIEWER, OR STUB-UP
- CONDUIT TURNS AWAY FROM VIEWER

COMMUNICATION AND DATA SYSTEMS

WALL MOUNTED

- TELEPHONE/DATA OUTLET, RACEWAY TO ABOVE CEILING SPACE WITH COVER PLATE AND PULL WIRE (WALL MOUNTED 1'-6" AFF UNO)

FIRE ALARM SYSTEMS

- V — VISUAL APPLIANCE
- AV — AUDIBLE/VISIBLE APPLIANCE
- H (F, R, C) — HEAT DETECTOR - F=FIXED TEMPERATURE TYPE, R = RATE OF RISE TYPE, C = COMBINATION FIXED TEMPERATURE AND RATE OF RISE TYPE
- S (P, I, D) — FIRE ALARM SMOKE DETECTOR, P=PHOTOELECTRIC, TYPE I = IONIZATION TYPE, D = DUCT MOUNT
- FS — SPRINKLER SYSTEM WATER FLOW SWITCH
- TS — OS & Y VALVE WITH TAMPER SWITCH
- F — FIRE ALARM MANUAL PULL STATION
- B — BELL
- FACP — FIRE ALARM CONTROL PANEL
- FAAP — FIRE ALARM, ANNUNCIATOR PANEL

SYMBOLS:

- POLE MOUNTED FIXTURE

ABBREVIATIONS

A/AMP	AMPERES
AG	ABOVE GRADE LEVEL
AF	AMPERE FRAME
AFF	ABOVE FINISHED FLOOR
AIC	AMPERE INTERRUPTING CAPACITY
AT	AMPERE TRIP
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CB	CIRCUIT BREAKER
CLF	CURRENT LIMITING FUSE
CLG	CEILING
CKT	CIRCUIT
CTRL	CONTROL
DISC	DISCONNECT
DWG	DRAWING
EDF	ELEC DRINKING FOUNTAIN
EDH	ELECTRIC DUCT HEATER
EF	EXHAUST FAN
EC	EMPTY CONDUIT
ELEC	ELECTRICAL
EMER	EMERGENCY
EH	ELECTRIC HEATER
EW	EMERGENCY WHITE
F/A	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FIX	FIXTURE
FL	FLOOR
FLU	FLUORESCENT
G	GROUND WIRE
GALV.	GALVANIZED
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GRD	GROUND
HD	HEAVY DUTY
H-O-A	HAND-OFF-AUTOMATIC
HP	HORSE POWER
JB	JUNCTION BOX

Xoan Mac
Zoning Review Branch
Zoning Division

REVISION: 1

NEWCOMB DAYCARE
541 NEWCOMB STREET, S.E.
WASHINGTON, D.C. 20032

DATE: APRIL 26, 2004

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ELLICOTT CITY, MD 21042
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DRAWING NUMBER: 041604-C1

BZA
Case No. 17280
Exhibit No. 8

Board of Zoning Adjustment
District of Columbia

MATERIALS SPECIFICATIONS

A. Concrete Masonry Units-
   a. Modular Units- ASTM-C129, Grade N, Type I.1
   b. Prefabricated masonry lintels- *3,000 psi fabricated to modular sizes to match* coursing
   c. Masonry concrete fill- minimum compressive strength, 3,000 psi
   d. Masonry Joint Reinforcement- ASTM A951 and as follows
      1. Hot dip galvanized, carbon steel for exterior walls
      2. Wire size for cross and side rods: W17 or 0.148 (3.8mm) diameter
      3. Provide either ladder type or truss type with a single pair o side and cross rods spaced not more than 16 inches on center.
   e. Mortar Mixes
      1. Mortar for Load Bearing Walls: ASTM C270, Type S, Proportion Specification
      2. Mortar for grouting Reinforcement Steel; ASTM C270, Type M

B. Structural Steel
   1. Structural Steel Shapes: ASTM A36
   2. Anchor Bolts: ASTM A307, non-headed type unless otherwise noted
   3. Unfinished Threaded Fasteners: ASTM A325, high strength carbon steel bolts and nuts. Provide hexagonal heads and nuts for all connections
   4. Electrodes for Welding: Comply with AWS Code. Use E70XX electrodes
   5. Structural Steel Primer Paint: Fabricators standard rust-inhibitive primer

B. Metal Fabrications
   1. Ferrous Metals: For fabrication of miscellaneous metal work exposed to view free of surface blemishes.
   2. Steel Plates, Shapes and Bars: ASTM A36
   3. Steel Tubing: Cold formed, ASTM A500 or hot rolled, ASTM A501
   4. Structural Steel Sheet: Hot rolled, ASTM A570 or cold rolled ASTM A611, Class 1; or class required for design loading.
   5. Galvanized Steel: Hot-dipped coating, minimum 1.25 oz/sq. ft. thickness for *all exposed exterior metals.*

C. Rough Carpentry
   1. Lumber – for framing, blocking, nailers, furring, cant strips, grounds and similar members) Comply with dry size requirements of PS-20, Douglas fir WWPA No. 3, or SPFA No. 2
   2. Plywood- PS1, exterior type, A-C Grade. Provide MDO-EXT-APA Plywood where indicated.
   3. Preservative Treated Material- Provide for material used outside building, in roof and below grade. Treated lumber standard AWPA C-2; Treated plywood standard AWPA C-9; Preservative treatment standard AWPA P-5
   4. Fire Retardant Treated Material- Treated lumber standard AWPA C-20; Treated plywood standard AWPA C-27; Maximum flame spread 25, ASTM-E84

D. Finish Carpentry
   1. Basic Material- Provide kiln dried (KD) lumber with average content range of 9% to 13% for exterior work and 6% to 11% for interior work. Grade II lumber for AWI Custom Grade
   2. Plastic Laminated High Pressure Laminate: General Purpose Type GP-50 for horizontal use and GP28 for vertical use, matte finish in colors as selected by architect. Adhesive as recommended by manufacturer.
   3. Cabinet Countertops: Provide ¾ inch (19mm) thick exterior grade plywood or ¾ inch (19mm) thick medium density moisture resistant particle board substrate.
   4. Shelves: ¾ inch (19mm) thick birch veneer lumber core plywood with 3/8 inch (9.5mm) thick birch edging on all exposed ends and edges. Fixed supports: 1 inch by 3 inch (25mm x 75mm) hi-lic No. 2.
   5. Plastic Laminate Casework- Comply with AWI Section 400 Custom Grade, Flush Overlay with high pressure decorative laminate.

E. Building Insulation
   1. Rigid Board- Dow Chemical Co.
   2. Blanket or Batt- Owens Corning Fiberglas Corp.- Inorganic fibers formed in blankets or semi-rigid sheets. ASTM E84 flame spread not greater than 25.
   3. Vapor Barrier- Two-directional, reinforced, foil faced vapor barrier or foil/mylar
   4. Roof Insulation- Polyisocyanurate board with mineral fiber facing.
   5. Fire Safing- Any manufacturer UL listed for systems used

F. Metal Doors and Frames- Manufacturers standard units as produced by Steelcraft Manufacturing co.
   1. Steel Sheet and Strip: ASTM-A568/A568M
   2. Steel Sheet Galvanized: G60 coating, phosphatized
   3. Supports and anchors- Not less than 16 Ga. Sheet steel
   4. Primer- Rust inhibitive enamel paint
   5. Doors- Hollow metal, 1-3/4 inches thick with minimum 18 gauge face sheets and flush top clearance, with joints welded, filled and ground. SDI Grade II, Model 3 or 4.
   6. Frames- Hollow metal with face welded and ground smooth, 16 gauge.
   7. Silencers- Three per jamb
   8. Jamb Anchors- Minimum three anchors per jamb appropriate to wall construction: min. 16 ga.
   9. Louvers- Sight proof, 18 gauge, V or V shaped blades for min. 20% free area.

G. Finish Hardware- Provide items of hardware for proper door swing. Doors in *rated openings in compliance with UL, NFPA 80 and CFR Part 36 (ADA)* guidelines.
   1. Keying- Establish keying system with owner. Tag and identify keys. Provide 3 keys for each lock or cylinder. Master key and key to groups as directed.
   2. Hardware Sets

      a. HW-01 Exterior exit doors
         1-1/2 pair butt hinges
         1 panic hardware set
         2 kick plates
         1 closer
         1 threshold
         1 set weatherstripping
      b. HW-02 Office/ Classroom Doors
         1-1/2 pair butt hinges
         1 passage lockset
         1 floor stop
      c. HW-03 Single Toilet Rooms
         1-1/2 pair butt hinges
         1 privacy lockset
         1 wall stop
         1 closer
      d. HW-04 Private Office
         1-1/2 pair butt hinges
         1 mortise lockset
         1 floor stop
         1 closer
      e. HW-05 Mechanical/ Storage
         1-1/2 pair butt hinges
         1 latchset
         1 cylinder lock

H. Gypsum Wallboard- Furnish standard bevel edge, square end boards in maximum available lengths, consistent with installation. Standard 5/8 inch thick is fire rated (Type X) and moisture resistant (MRGWB) where indicated. Tape, compound and adhesives as recommended by manufacturer.

I. Ceramic Tile- Standard tiles as manufactured by American Olean or Dal-Tile co.
   a. Ceramic Mosaic Floor Tile- standard grade porcelain ceramic unglazed unit; ¼ " thick; 2 inches by 2 inches with cushion edge. Use with matching pre-set cove base.
   b. Waterproofing membrane- composite elastomer waterproofing sheet, nominal 30 mil thickness.

J. Resilient Tile Flooring- Standard resilient vinyl composition tile 12 inches square x 1/8 inch thick as manufactured by Armstrong type Excelon. Provide resilient vinyl base 1/8 inch x 4 inch, ½" wide at bottom with pre-formed inside and outside corners.

K. Carpet- Follow Carpet and Rug Institute standard for installation, storage and handling. Provide 100% Du-Pont Antron nylon, soil resistant, static control, 2 ply skein dyed, 30 oz./sq. yd. Min., woven loop pile. Provide strippable type, non-toxic, water and mildew resistant, non-staining adhesive as recommended by manufacturer.

L. Painting- Paint all wall surfaces with primer and two finish coats. Provide block filler and two coats epoxy paint on concrete masonry units.

SYMBOLS

ROOM NUMBER 100

DOOR NUMBER (100)

PARTITION TYPE —1

DETAIL REFERENCE 1 / A-1

SECTION REFERENCE A / A-1

CONCRETE MASONRY

CONCRETE

STEEL

INSULATION

ABBREVIATIONS

ACOUST.	ACOUSTICAL
AFF	ABOVE FINISH FLOOR
BM.	BEAM
CMU	CONCRETE MASONRY UNIT
CONC.	CONCRETE
CONT.	CONTINUOUS
EA.	EACH
EXIST.	EXISTING
EXT.	EXTERIOR
GYP. BD.	GYPSUM BOARD
INSUL.	INSULATION
MIN.	MINIMUM
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
OPN'G	OPENING
PERIM.	PERIMETER
PLYWD.	PLYWOOD
STL.	STEEL
SUSP.	SUSPENDED
TYP.	TYPICAL
WD.	WOOD
W/	WITH

DISTRICT OF COLUMBIA — GREGORY P. WORKMAN — REGISTERED PROFESSIONAL ENGINEER

REVISION:

1		

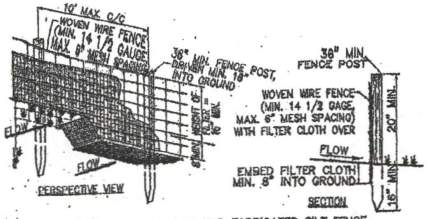
NEWCOMB DAYCARE
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APRIL 26, 2004

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DRAWING NUMBER:
041604-C2

EROSION AND SEDIMENT CONTROL GUIDELINES



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

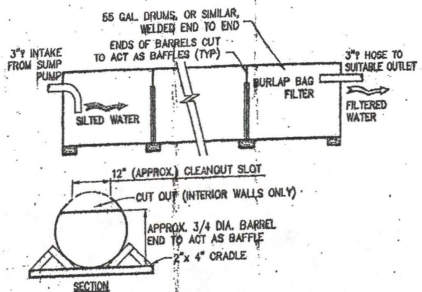
POSTS:
STEEL EITHER "T" OR "U" TYPE OR 2" HARDWOOD

FENCE:
WOVEN WIRE, 14 1/2 GAGE 6" MAX. MESH OPENING

FILTER CLOTH:
FILTER X, MIRAFI 100X, STABILINKA T140N OR APPROVED EQUAL

PREFABRICATED UNIT:
GEOFAB, ENVIROFENCE, OR APPROVED EQUAL

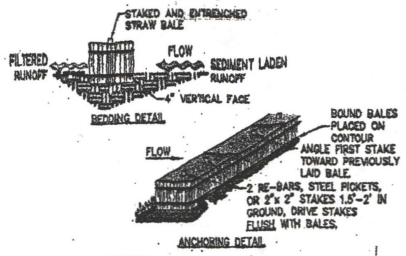
SILT FENCE
(NO SCALE)



PORTABLE SEDIMENT TANK
(NO SCALE)

CONSTRUCTION NOTES

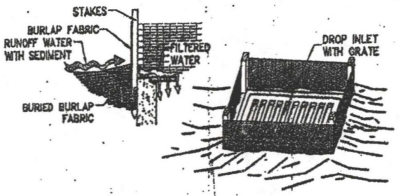
1. CLEAN OUT THE SEDIMENT TANK WHEN ONE THIRD (1/3) FILLED WITH SILT.
2. STEEL DRUMS ARE USED AS AN EXAMPLE DUE TO THEIR READY AVAILABILITY, ANY TANKS MAY BE USED, PROVIDING THAT THE VOLUME REQUIREMENTS FROM PAGE 20.01 ARE MET.
3. ALL SEDIMENT COLLECTED IN THE TANK SHALL BE DISPOSED OF IN A SEDIMENT TRAPPING DEVICE OR AS APPROVED BY THE INSPECTOR.
4. TANK STORAGE VOLUME REQUIRED = 18 CUBIC FOOT OF STORAGE FOR EACH GALLON PER MINUTE OF PUMP DISCHARGE CAPACITY. MULTIPLE TANKS MAY BE USED.



CONSTRUCTION SPECIFICATIONS

1. BALES SHALL BE PLACED AT THE TOE OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF (4) INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
4. INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

STRAW BALE DIKE
(NOT TO SCALE)



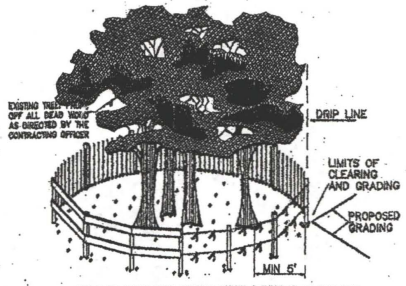
SPECIFIC APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPES NO GREATER THAN 5 PERCENT) WHERE SHEET OR OVERLAND FLOWS (NOT EXCEEDING 0.5 CFS) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS IN STREET OR HIGHWAY MEDIANS.

BURLAP DROP INLET SEDIMENT FILTER
(NOT TO SCALE)

EROSION AND SEDIMENT CONTROL MEASURES AND SEQUENCE:

1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PLACED PRIOR TO OR AS THE FIRST STEP IN GRADING.
2. PROVIDE TEMPORARY STONE CONSTRUCTION ENTRANCE WHERE SHOWN. PROVIDE WATER SOURCE AND HOSE TO CLEAN ALL EQUIPMENT LEAVING SITE.
3. INSTALL SILT FENCE AROUND PERIMETER OF SITE.
4. NO DISTURBED AREA WILL BE DENUDED FOR MORE THAN 7 CALENDAR DAYS. INSTALL THE NECESSARY TEMPORARY OR PERMANENT VEGETATIVE STABILIZATION MEASURES TO ACHIEVE ADEQUATE EROSION AND SEDIMENT CONTROL.
5. ALL CONSTRUCTION TO BE INSPECTED DAILY BY THE CONTRACTOR, AND ANY DAMAGED SILTATION OR EROSION CONTROL DEVICES OR MEASURES WILL BE REPAIRED AT THE CLOSE OF THE DAY.
6. ALL SILT FENCE TO BE MAINTAINED IN WORKING CONDITION.



POSTS TO BE PLACED AROUND OUTER PERIMETER OF DRIP LINE

TREE PROTECTION DETAIL
(NOT TO SCALE)

48" ORANGE PLASTIC MESH FENCE SHALL BE USED FOR TREE PROTECTION. FENCE POSTS TO BE # 5 REBAR @ 4.0 O.C. DRIVEN 1'-6" BELOW FINISH GRADE. (ORANGE FENCE SHALL BE ATTACHED TO REBARS WITH METAL TIE WIRE.)

1. DO NOT STORE OR STOCKPILE ANY EQUIPMENT AND OR MATERIALS WITHIN THE DRIP LINE OF ANY TREE.
2. DO NOT PARK VEHICLES WITHIN THE DRIP LINE OF ANY TREE. VEHICULAR TRAFFIC AND PARKING SHALL NOT BE PERMITTED WITHIN THE DRIP LINE.
3. FOOT TRAFFIC OVER TREE ROOTS SHALL BE RESTRICTED TO PREVENT COMPACTION OF SOIL OVER ROOT SYSTEM.
4. IN AREAS WHERE CONSTRUCTION FALL WITHIN THE DRIP LINE OF TREES, FENCING SHALL BE REMOVED AND REPLACED/ REINSTALLED AS EACH STAGE OF WORK NEAR THE TREES IS COMPLETED TO PREVENT EXCESS SOIL COMPACTION.
5. TREE ROOT SYSTEM SHALL BE PROTECTED FROM SMOTHERING CHEMICAL CONTAMINATION, FLOODING, EROSION, AND EXCESSIVE WETTING RESULTING FROM DE-WATERING OPERATIONS AND FROM RUNOFF. SPILLAGE AND DRAINAGE SOLUTIONS CONTAINING MATERIALS WHICH WOULD BE DELETERIOUS TO TREE ROOTS.



BRICKBAT DETAIL
(NOT TO SCALE)

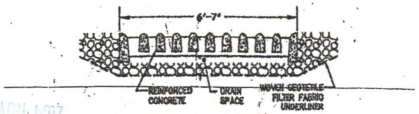
STANDARDS AND SPECIFICATIONS FOR BRICKBAT GROUND COVER

DEFINITION
TEMPORARY GROUND COVER CONSISTING OF BROKEN BRICK (1/1 PIECE OR SMALLER) PLACED OVER DENUDED EARTH.

PURPOSE
BRICKBATS PROVIDE A TEMPORARY GROUND COVER OVER DENUDED URBAN EARTH TO PREVENT THE TRANSPORTATION OF SEDIMENT FROM THE SITE.

CONDITIONS WHEN PRACTICE APPLIES
BRICKBATS MAY BE USED ON ANY SITE IN NEED OF TEMPORARY GROUND COVER.

DESIGN CRITERIA
THE BRICKBATS SHALL BE PLACED TO A DEPTH OF 3 INCHES TO 4 INCHES COVERING THE DENUDED EARTH ON THE SITE, THEN COMPACTED AND LEVELED.



WASH RACK DETAIL
(NOT TO SCALE)

Xoan Mac
Zoning Review Branch
Zoning Division

DISTRICT OF COLUMBIA REGISTERED WORKER REGISTERED PROFESSIONAL ENGINEER

REVISION:

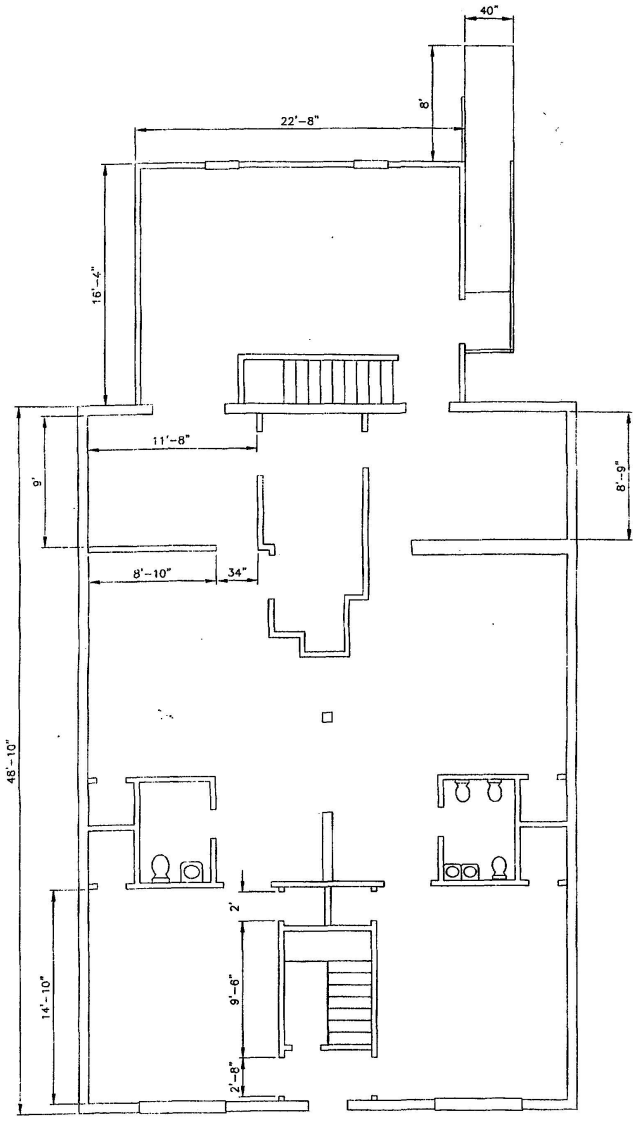
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NEWCOMB DAYCARE
541 NEWCOMB STREET, S.E.
WASHINGTON, D. C. 20032

DATE:
APRIL 26, 2004

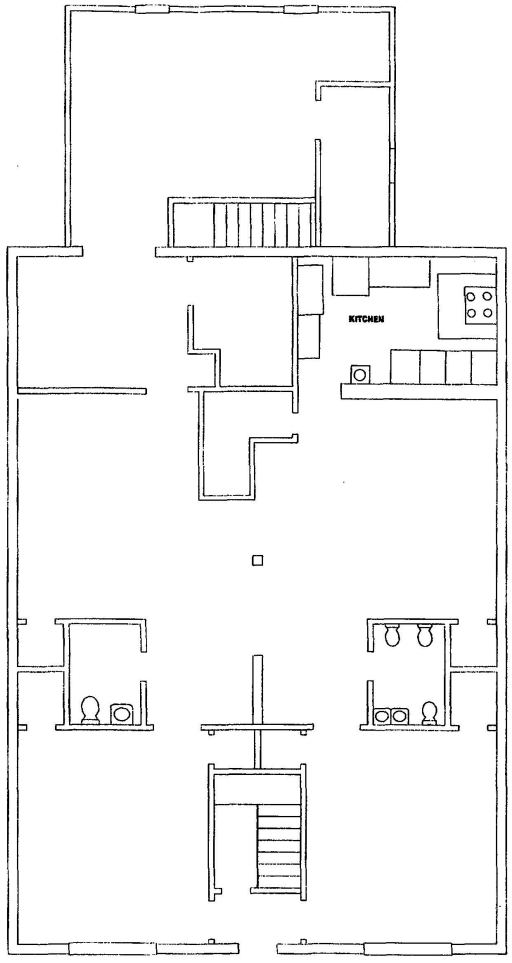
GP CONSULTING
P.O. BOX 6273
ELLICOTT CITY, MD 21042
PHONE: 443-506-7737
FAX: 410-465-3135

DRAWING NUMBER:
041604-C3



EXISTING FIRST FLOOR PLAN

SCALE: 1/4"=1'-0"



EXISTING SECOND FLOOR PLAN

SCALE: 1/4"=1'-0"

Xoan Mac
Zoning Review Branch
Zoning Division

REVISION:

1

NEWCOMB DAYCARE

541 NEWCOMB STREET, S.E.
WASHINGTON, D. C. 20032

EXISTING FLOOR PLAN

DATE:
APRIL 26, 2004

GP CONSULTING
P.O. BOX 6273
ELLICOTT CITY, MD 21042
PHONE: 443-506-7737
FAX: 410-465-3135

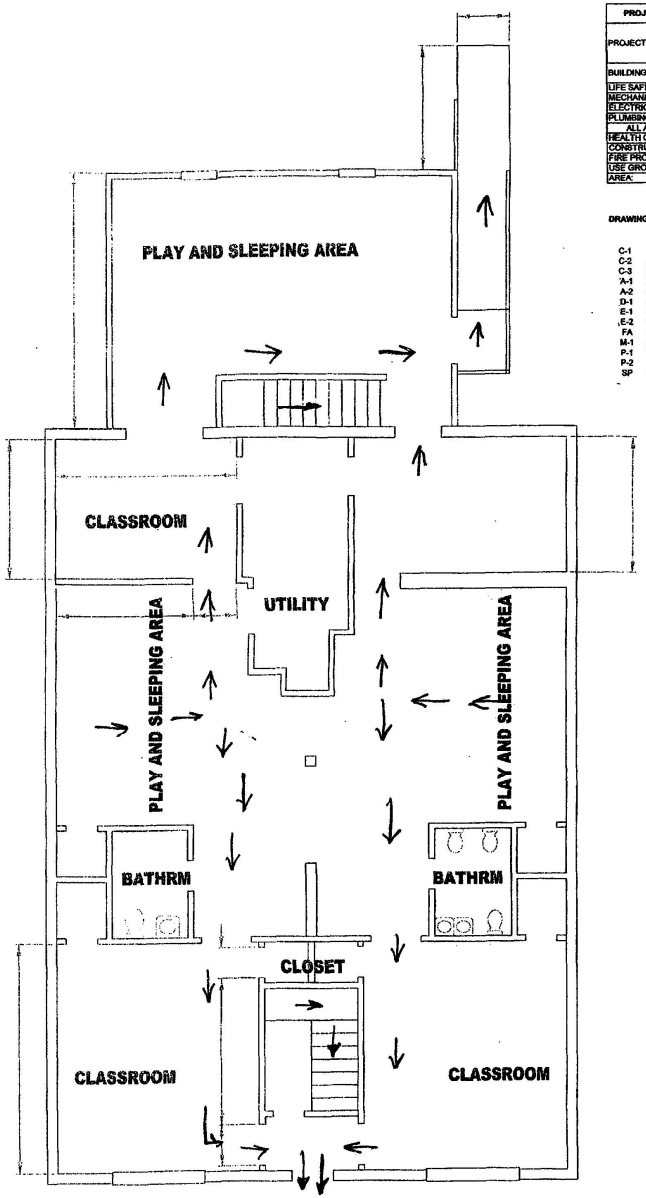
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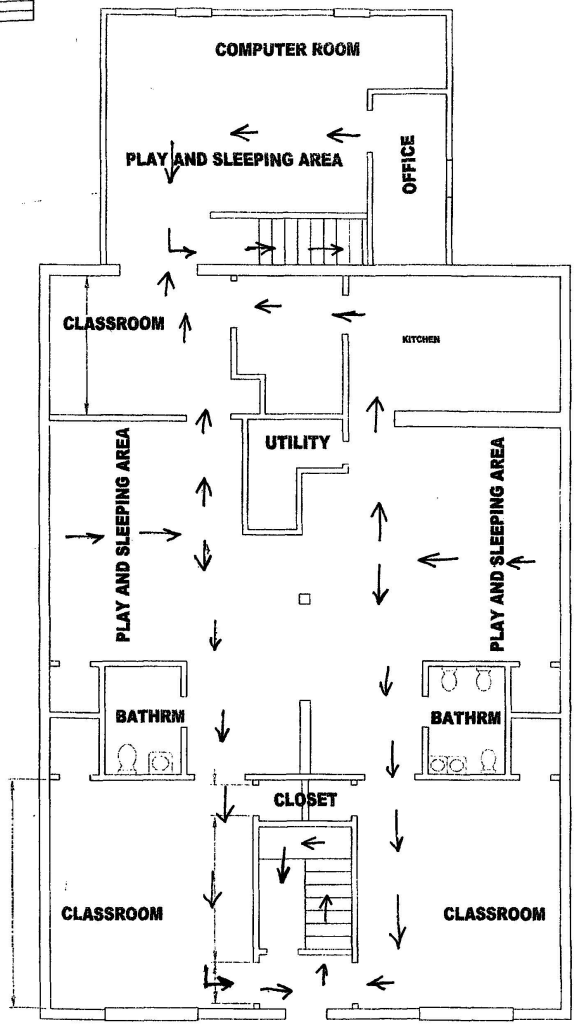
PROJECT DATA:	
PROJECT	PROPOSED SPACE VANILLA SHELL
	541 NEWCOMB STREET, S.E.
	WASHINGTON DC 20032
	NEWCOMB DAYCARE CENTER
BUILDING CODE:	1998 B.O.C.A.
	DISTRICT OF COLUMBIA CONSTRUCTION CODE
LIFE SAFETY CODE:	NFPA 101,1994
MECHANICAL CODE:	2000 INTERNATIONAL MECHANICAL CODE
ELECTRICAL CODE:	2000 INTERNATIONAL ELECTRICAL CODE
PLUMBING CODE:	2000 INTERNATIONAL PLUMBING CODE
ALL ABOVE CODES PLUS LOCAL AMENDMENTS, LATEST EDITION	
HEALTH CODE:	DISTRICT OF COLUMBIA SANITARY CODE
CONSTRUCTION TYPE:	TYPE
FIRE PROTECTION:	LIMITED SPRINKLER SYSTEM
USE GROUP	OFFICE AND DAYCARE CENTER
AREA:	3464 SQUARE FEET

DRAWING SCHEDULE:

C-1 GENERAL ELECTRICAL NOTES
C-2 GENERAL MATERIAL NOTES
C-3 EROSION AND SEDIMENT CONTROL PLAN
A-1 EXISTING 1 ST. , 2ND FLOOR PLAN
A-2 EGRESS EMERGENCY PLAN
D-1 GAS AND ELECTRICAL RISER
E-1 ELECTRICAL PLAN
E-2 EMERGENCY AND EXIT LIGHT PLAN
FA FIRE ALARM PLAN
M-1 HVAC PLAN
P-1 WATER AND SANITARY PLAN AND RISER
P-2 PLUMBING PLAN
SP LIMITED SPRINKLER SYSTEM PLAN



EXISTING 1ST FLOOR PLAN



EXISTING BASEMENT FLOOR PLAN

Zoning Office
Zoning Review
Zoning Division

NEWCOMB DAYCARE

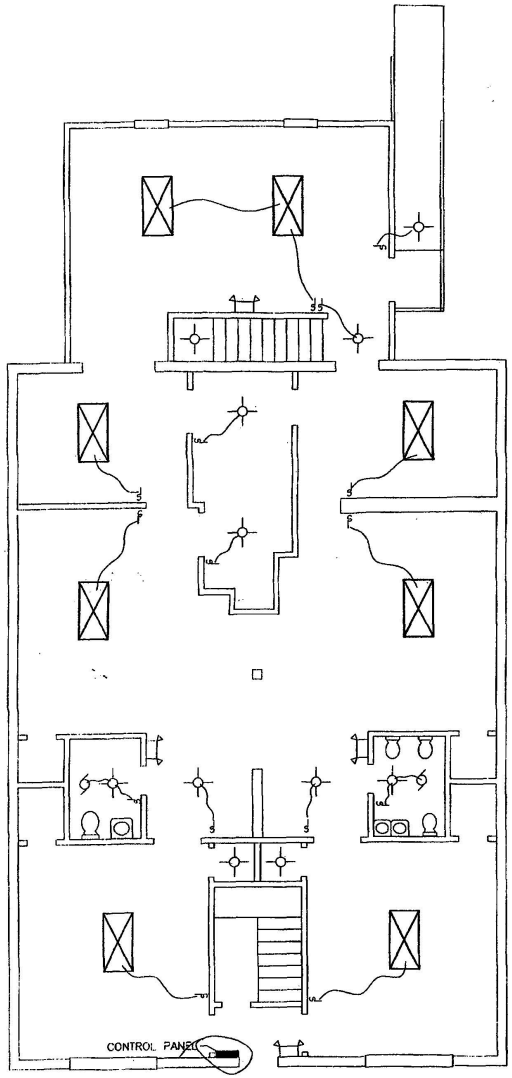
541 NEWCOMB STREET, S.E.
WASHINGTON, D. C. 20032

EGRESS PLAN

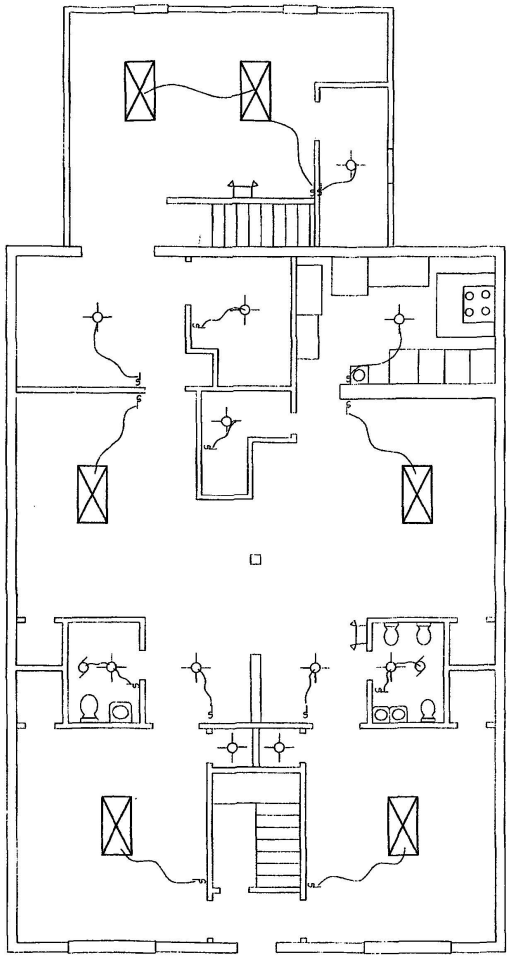
APRIL 19, 2004

GP CONSULTING

103103-A2



FIRST FLOOR PLAN
SCALE: 1/4"=1'-0"



SECOND FLOOR PLAN
SCALE: 1/4"=1'-0"

LEGEND

- EMERGENCY LIGHT W/EXIT SIGN W/BATTERY BACK-UP, LITHONIA, QMSW
- EXIT SIGN W/BATTERY BACK-UP, LITHONIA, QMSW
- EMERGENCY LIGHT W/BATTERY BACK-UP LITHONIA, 6ELM2LITRONIA
- SWITCH
- DUPLEX CONVENIENCE WALL OUTLET
- MOTOR
- JUNCTION BOX
- 2'x4' LAY-IN FLUORESCENT LIGHT FIXTURE JANMER 7158-BB-7T-2R3OLN, (2)PL7/PINK, 120 VOLTAGE
- 250 CFM FAN
- FAN MOTOR W/DISCONNECT
- INCANDESCENT LIGHT W/100W BULB

Xoan Mac
Zoning Review Branch
Zoning Division

REVISION:

1

NEWCOMB DAYCARE

541 NEWCOMB STREET, S.E.
WASHINGTON, D. C. 20032

GOVERNMENT OF THE DISTRICT OF COLUMBIA
DEPARTMENT OF CONSUMER AND REGULATORY AFFAIRS
BUILDING AND LAND REGULATION ADMINISTRATION

PURSUANT TO CURRENT DC CODE, THIS PLAN IS REVIEWED FOR CODE COMPLIANCE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION OF THE PROJECT IN ACCORDANCE WITH THE APPROVED PLANS. ANY DEVIATIONS FROM THE APPROVED PLANS MUST BE REVIEWED AND APPROVED BY THE BUILDING OFFICIAL BEFORE THE WORK IS PERFORMED. THIS PLAN MAY REQUIRE ADDITIONAL REVIEWS BY OTHER AGENCIES PRIOR TO ISSUANCE OF A PERMIT.

MAY 25 2004

BUILDING CODE: 2003 IBC
ELECTRICAL CODE: 2002 NEC

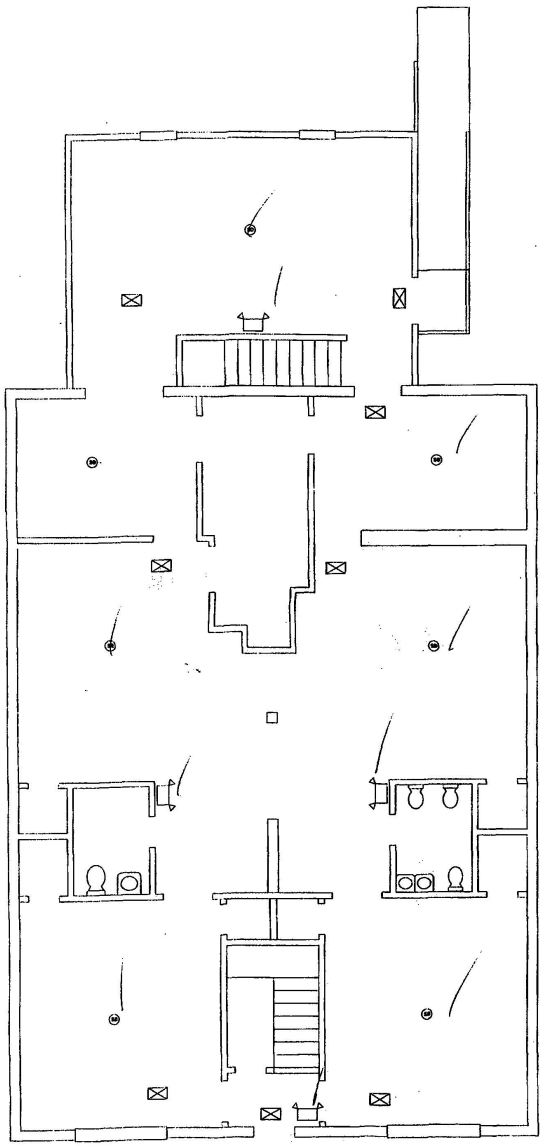
ELECTRICAL PLAN

DATE:
APRIL 26, 2004

GP CONSULTING
P.O. BOX 6273
ELLICOTT CITY, MD 21042
PHONE: 443-506-7737
FAX: 410-465-3135

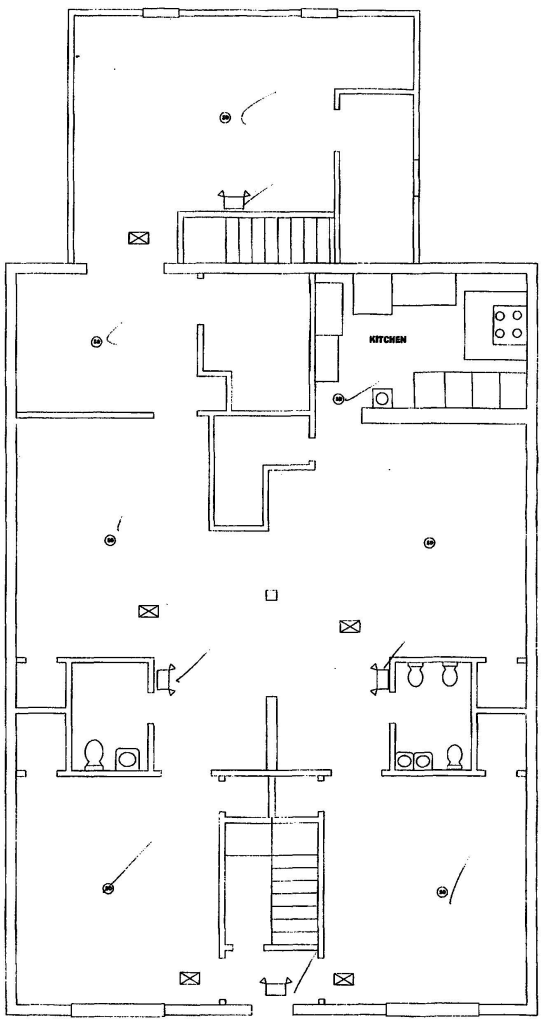
DRAWING NUMBER:

041604-E1



EXISTING FLOOR PLAN

SCALE: 1/4"=1'-0"



EXISTING SECOND FLOOR PLAN

SCALE: 1/4"=1'-0"

Kwan Hsu
Zoning Review Branch
Zoning Division

NEWCOMB DAYCARE

541 NEWCOMB STREET, S.E.
WASHINGTON, D. C. 20032

GOVERNMENT OF THE DISTRICT OF COLUMBIA
DEPARTMENT OF CONSUMER AND REGULATORY AFFAIRS
BUILDING AND LAND REGULATION ADMINISTRATION

PURSUANT TO CURRENT D.C. CONSTRUCTION CODE REQUIREMENTS, THIS ELECTRICAL PLAN IS APPROVED AND PERMIT MAY BE ISSUED. ACTIVE 1 OR 2 FAMILY NON-CONVERSION AND ALTERATIONS ONLY.

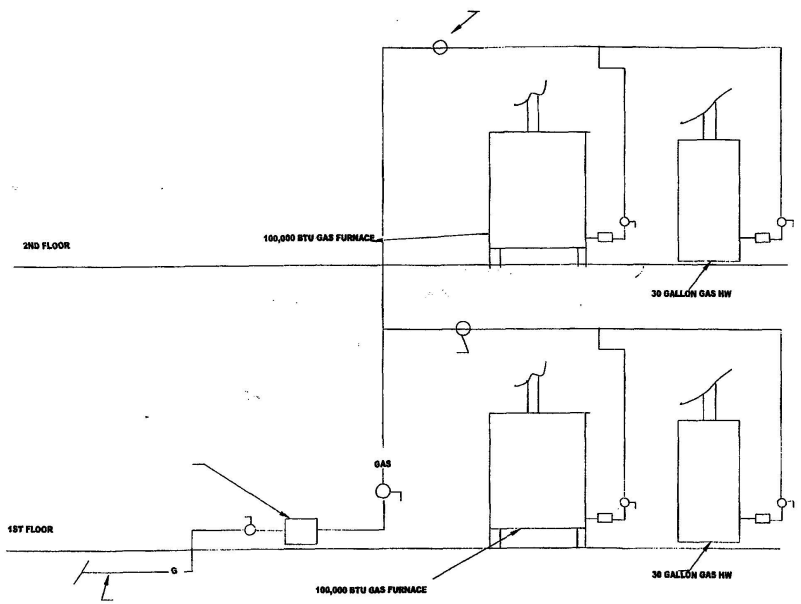
4/15/2004

NOEMI LOPEZ-DOUGLAS
ELECTRICAL ENGINEERING SECTION

APRIL 16, 2004

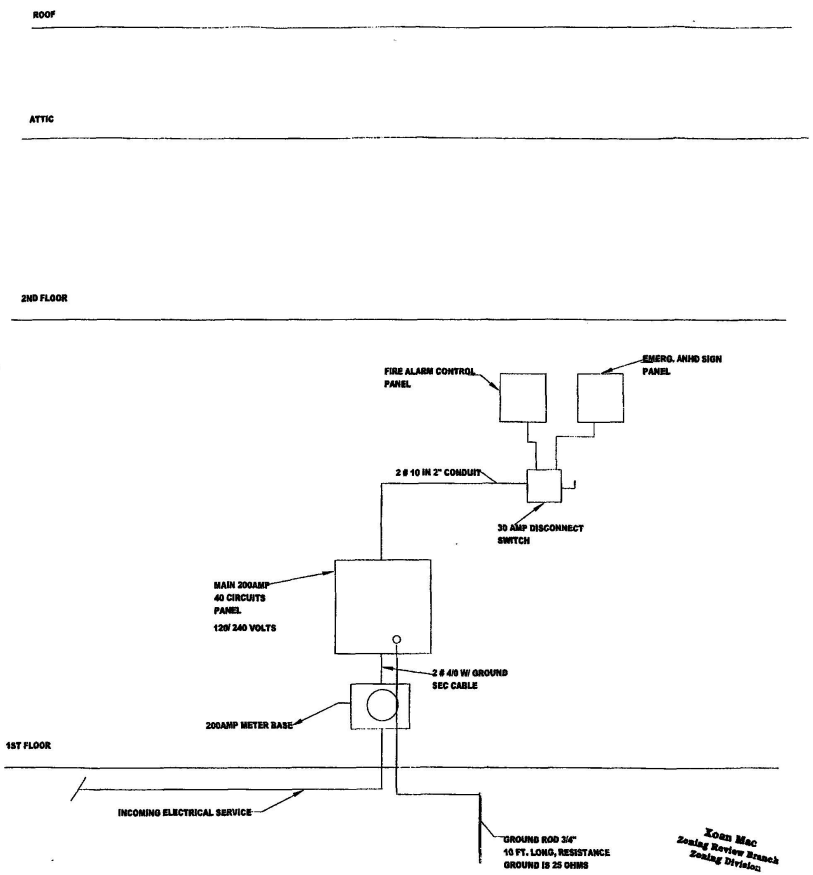
GP CONSULTING

041604-E2



EXISTING GAS RISER

NOT TO SCALE



Xoan Mac
Zoning Review Branch
Zoning Division

EXISTING ELECTRICAL RISER

NOT TO SCALE

GOVERNMENT OF THE DISTRICT OF COLUMBIA
DEPARTMENT OF CONSUMER AND REGULATORY AFFAIRS
BUILDING AND LAND REGULATION ADMINISTRATION

PERMIT TO CONFORM TO CONSTRUCTION CODES GOVERNING
THE WORK ACTUAL INSTALLATION SHALL BE INSPECTED
BY THE DISTRICT OF C

DATE: 5/28/04
ELECTRICAL ENGINEERING SECTION

MAY 27 2004

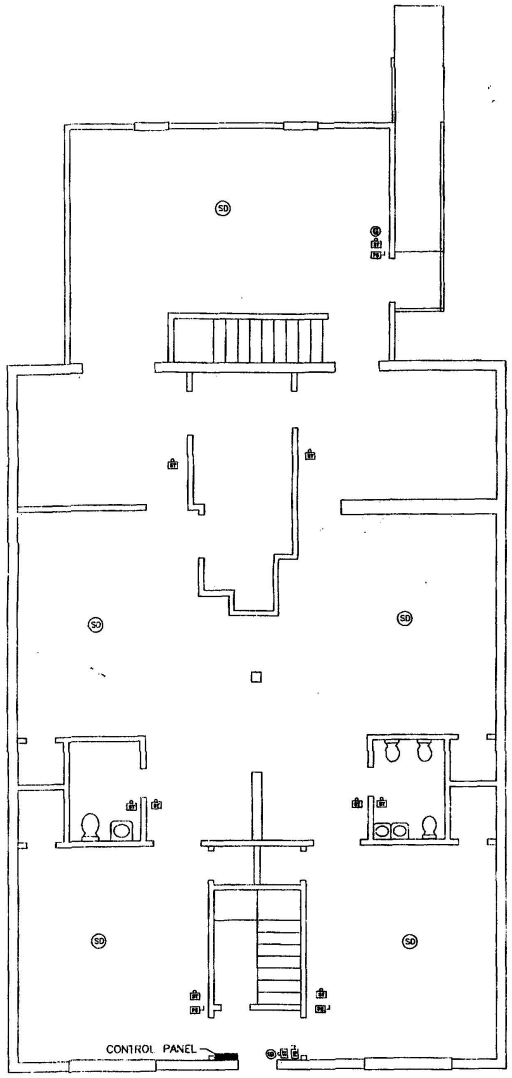
NEWCOMB DAYCARE

541 NEWCOMB STREET, SE.
WASHINGTO, DC. 20032

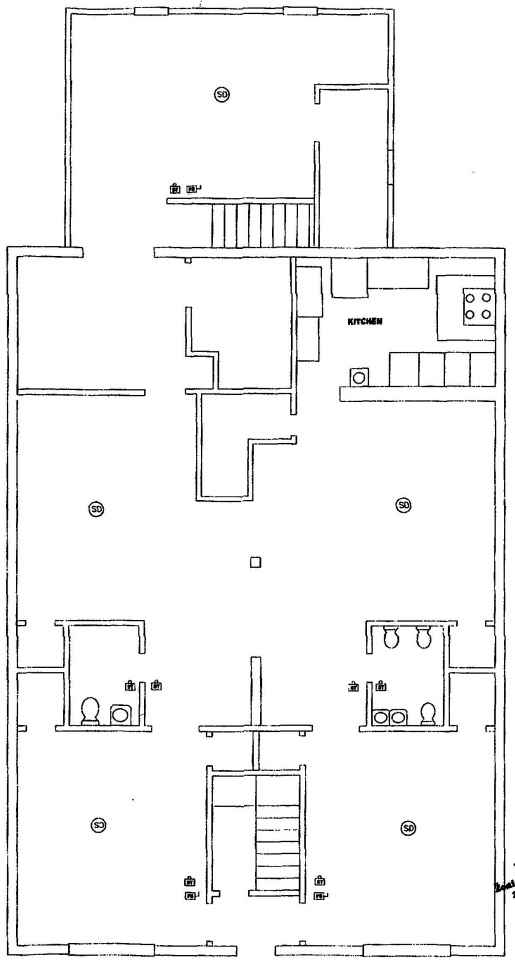
APRIL 16, 2004

GP CONSULTING

041604-D1



FIRST FLOOR PLAN
SCALE: 1/4"=1'-0"



SECOND FLOOR PLAN
SCALE: 1/4"=1'-0"

Reviewed by the District of Columbia
Building Code Official and found to be in compliance with the applicable laws and regulations of the District of Columbia.
Permit Number: [illegible]
Date: [illegible]

Reviewed
Zoning Review Branch
Zoning Division

G GONG/BELL
STROBE LIGHT
PULL STATION
SMOKE DETECTOR

REVISION:
1

NEWCOMB DAYCARE

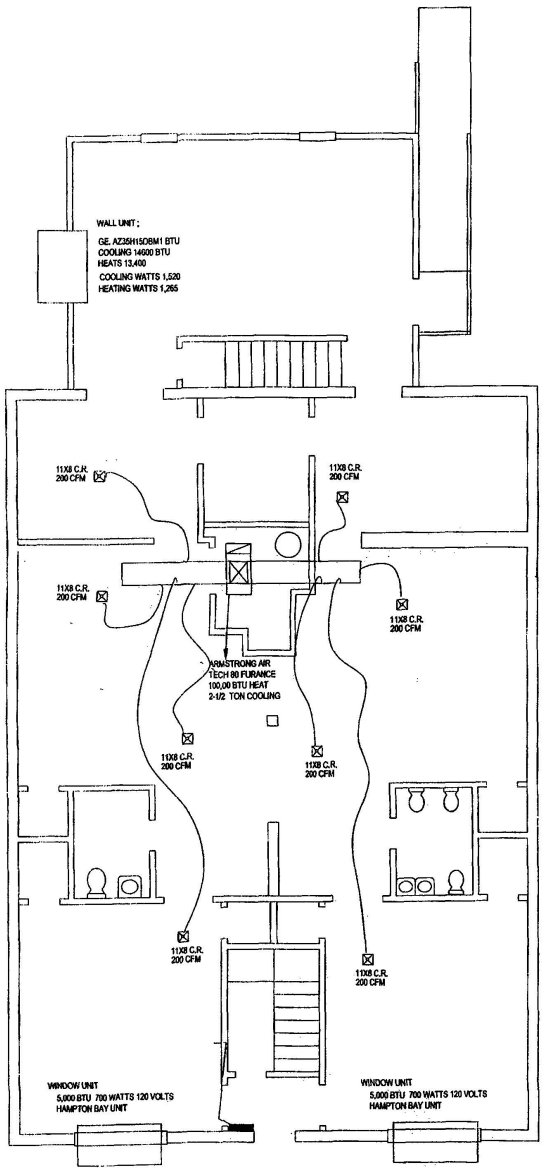
541 NEWCOMB STREET, S.E.
WASHINGTON, D. C. 20032

FIRE ALARM PLAN

DATE:
APRIL 26, 2004

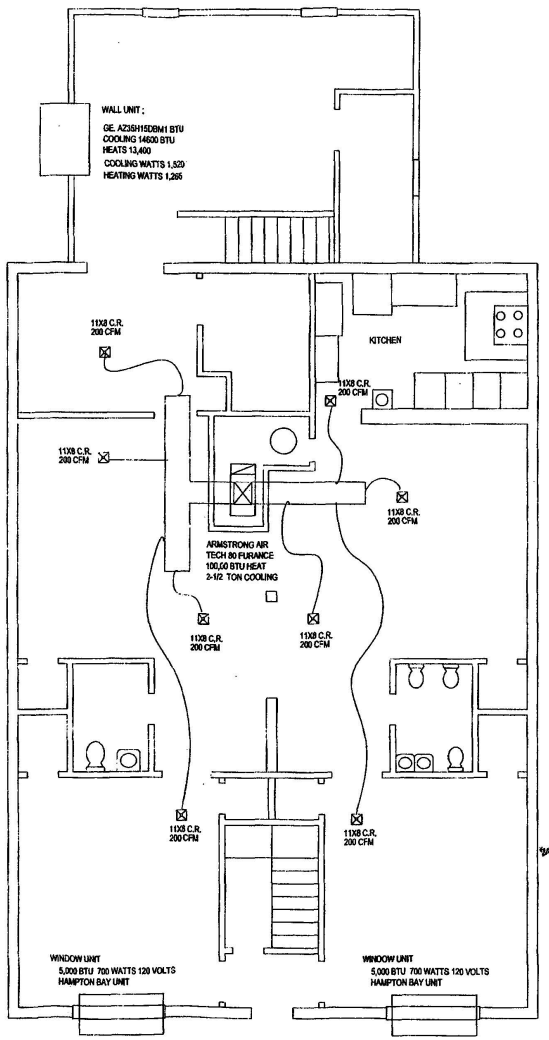
GP CONSULTING
P.O. BOX 6273
ELLICOTT CITY, MD 21042
PHONE: 443-506-7737
FAX: 410-465-3135

DRAWING NUMBER:
041604-FA



EXISTING HVAC PLAN

SCALE: 1/4"=1'-0"



EXISTING SECOND FLOOR HVAC PLAN

SCALE: 1/4"=1'-0"

Allen Mac
Zoning Review Branch
Zoning Division

NEWCOMB DAYCARE

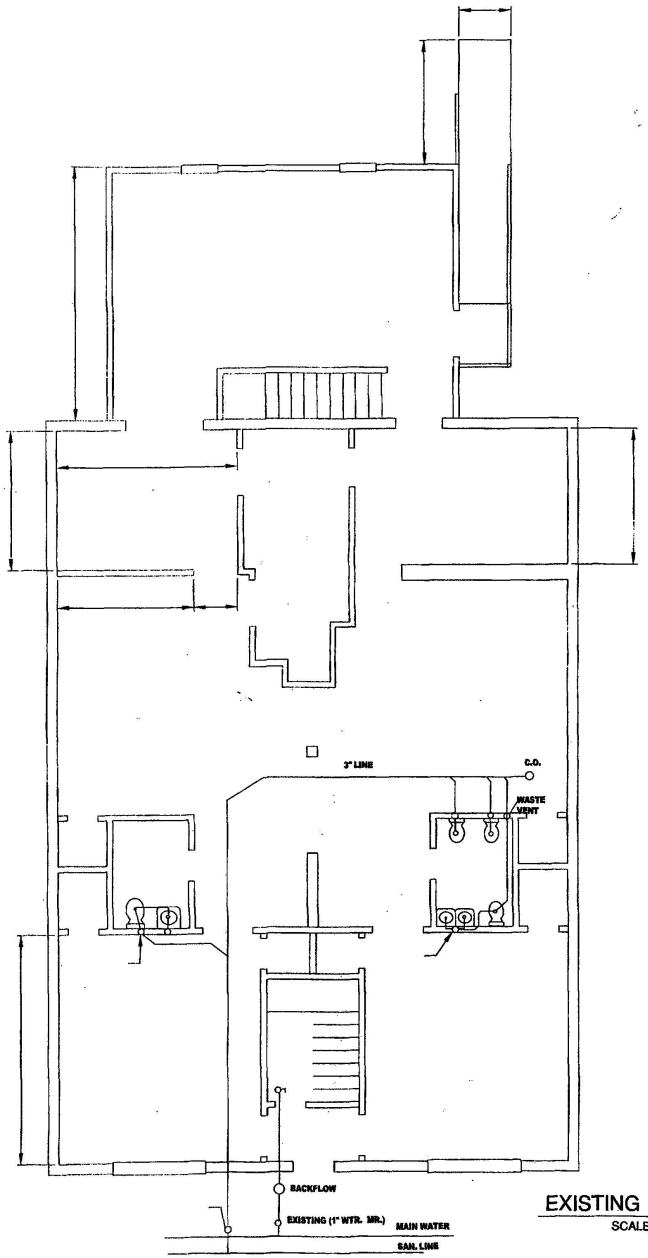
541 NEWCOMB STREET, S.E.
WASHINGTON, D.C. 20032

HVAC PLAN

APRIL; 23, 2004

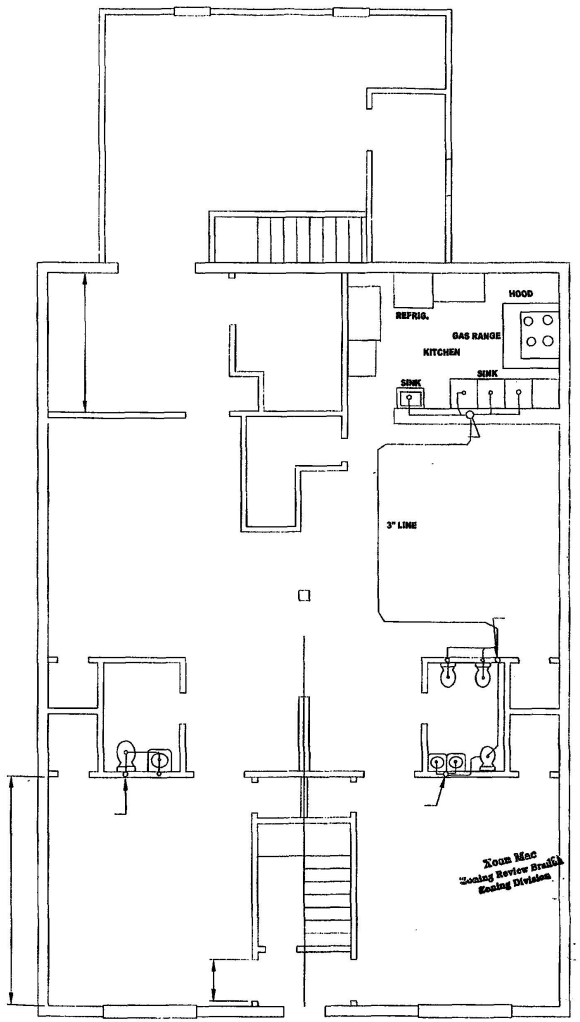
GP CONSULTING

041604-M1



EXISTING 1 ST. FLOOR PLAN

SCALE: 1/4"=1'-0"



EXISTING SECOND FLOOR PLAN

SCALE: 1/4"=1'-0"

NEWCOMB DAYCARE

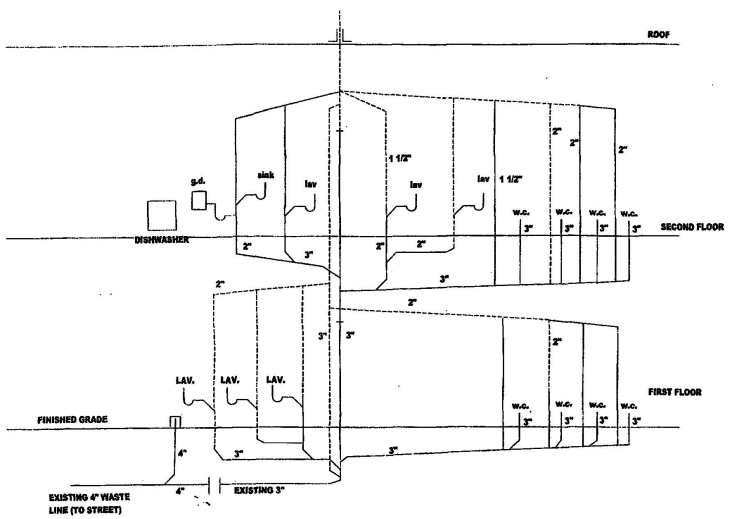
541 NEWCOMB STREET, S.E.
WASHINGTON, DC 20032

PLUMBING PLAN

APRIL 20, 2004

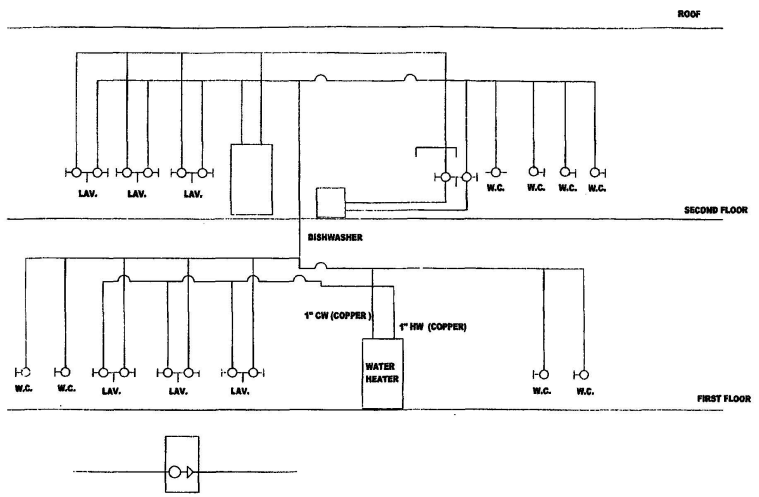
GP CONSULTING

041604-P2



SANITARY RISER DIAGRAHM

SCALE: NONE



WATER RISER DIAGRAHM

SCALE: NONE

Kevin Hise
Zoning Review Branch
Zoning Division

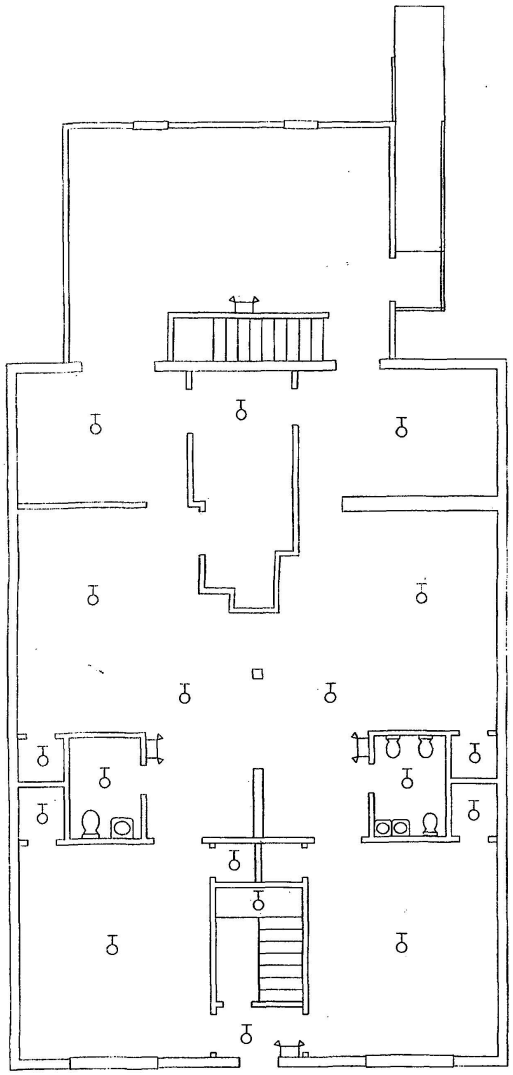
NEWCOMB DAYCARE

541 NEWCOMB STREET, S.E.
WASHINGTON, DC 20032

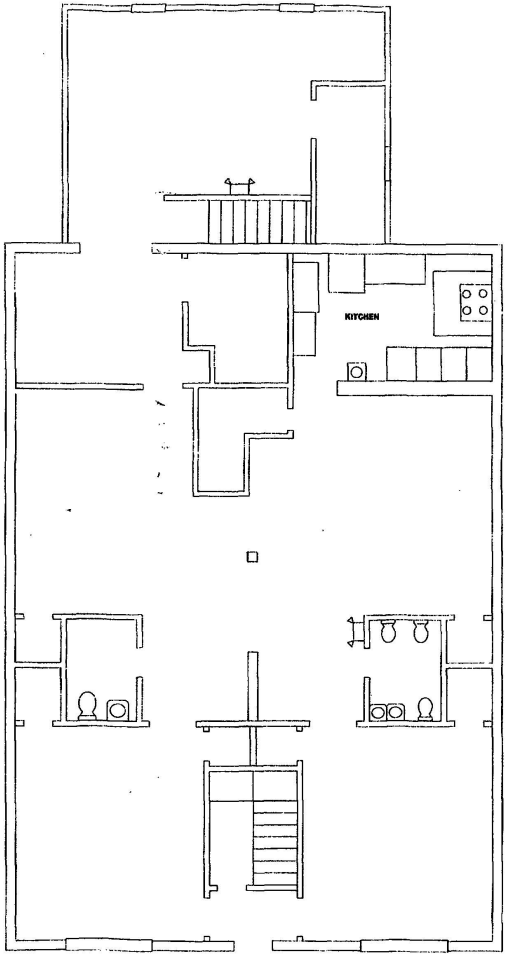
April 16, 2004

CBM DESIGN

041604-P1



FIRST FLOOR PLAN
SCALE: 1/4"=1'-0"



SECOND FLOOR PLAN
SCALE: 1/4"=1'-0"

SPRINKLER HEAD

Zoning Review Branch
Zoning Division

REVISION:
1

NEWCOMB DAYCARE

541 NEWCOMB STREET, S.E.
WASHINGTON, D. C. 20032

LIMITED SPRINKLER PLAN

DATE:
APRIL 26, 2004

GP CONSULTING
P.O. BOX 6273
ELLICOTT CITY, MD 21042
PHONE: 443-506-7737
FAX: 410-465-3135

DRAWING NUMBER:
041604-SP