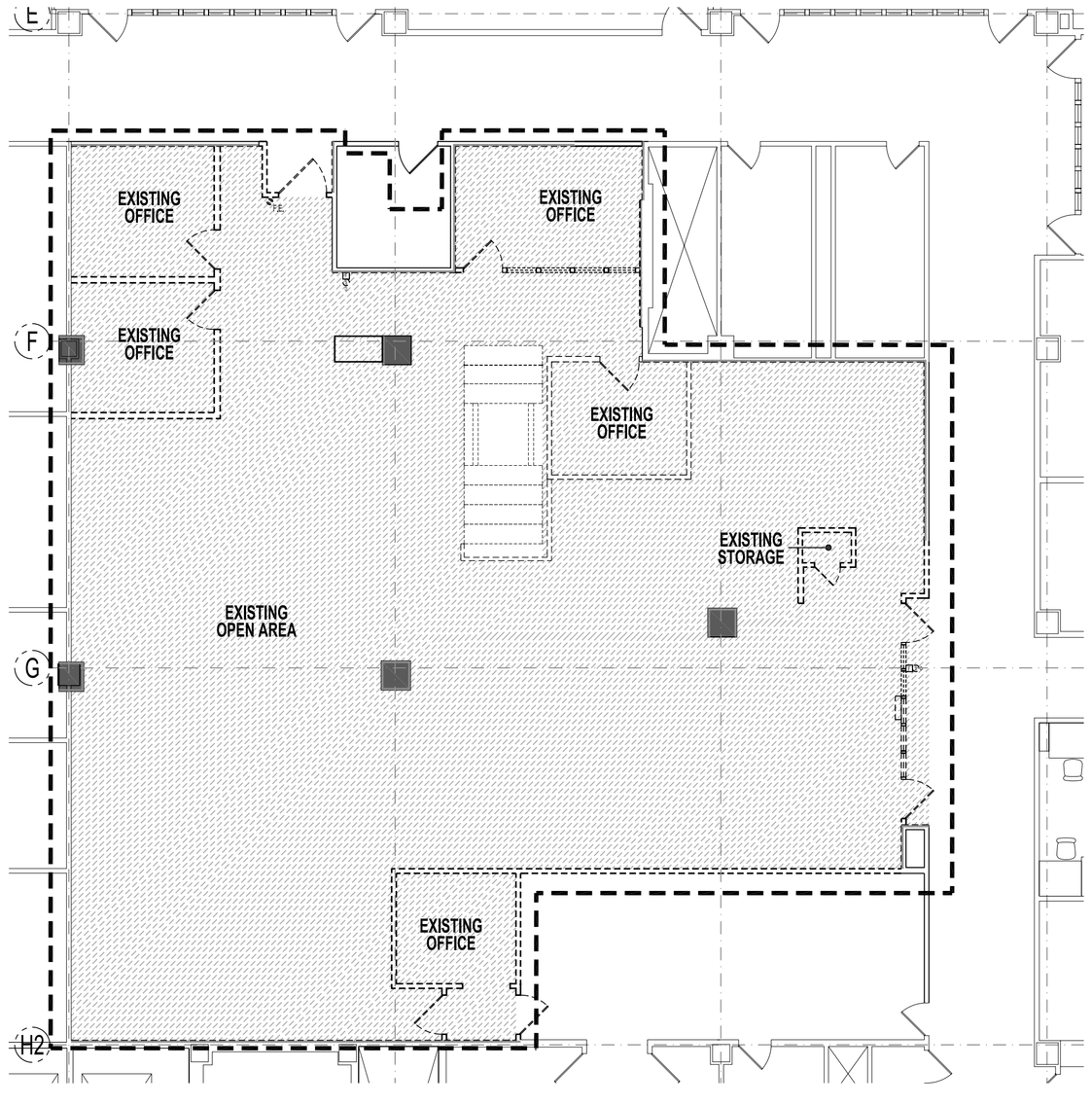
ASBESTOS ABATEMENT NOTES

THE WORK SHALL CONSIST OF THE ASBESTOS ABATEMENT CONTRACTOR (AAC) UTILIZING EACH DEFINED METHODOLOGY TO THROUGHLY ABATE THE ASBESTOS-CONTAINING FLOOR TILES AND MASTIC MATERIALS WITHIN THE SECOND FLOOR AREA 202. IT IS THE TOTAL RESPONSIBILITY OF EACH AAC TO DETERMINE THE EXTENT, AMOUNTS, ETC. OF THE FLOOR TILES AND MASTIC WITHIN THE SECOND FLOOR AREA 202. NEITHER THE HOSPITAL NOR THEIR REPRESENTATIVES SHALL BE RESPONSIBLE FOR ANY EXTRAS (COST OF OTHERWISE) FOR ADDITIONAL QUANTITIES IDENTIFIED DURING THE PROJECT.

1. ALL WORK TO BE CONDUCTED IN ACCORDANCE WITH NEW YORK CITY, STATE AND FEDERAL EPA AND OSHA REGULATIONS, TECHNICAL SPECIFICATIONS AND ASSOCIATED DRAWINGS.
2. THE AAC SHALL CONDUCT ALL ACTIVITIES IN ACCORDANCE WITH ATRU UNITS SINCE FIRE ALARM, SPRINKLER AND OTHER LIFE SAFETY DEVICES MAY BE IMPACTED. THE AAC IS RESPONSIBLE FOR SECURING ALL NECESSARY PLAN APPROVALS AND SITE SAFETY PLANS AS REQUIRED AND SHALL ENSURANCE COMPLIANCE WITH ALL APPLICABLE CODES;
3. THE AAC IS SOLELY AND TOTALLY RESPONSIBLE FOR ALL JOB-SITE SAFETY, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) COMPLIANCE, LADDERS, SCAFFOLDING, ETC. AND SHALL HOLD HARMLESS, INDEMNIFY AND PAY ANY NECESSARY COST INCLUDING ATTORNEY FEES AND COURT JUDGEMENTS BROUGHT AGAINST ANY PARTIES OF THE PROJECT BY ANY OF THE AAC'S PERSONNEL AND SUB-CONTRACTORS, ETC.
4. THE AAC ALONG WITH THE HOSPITAL SHALL NOTIFY ALL OCCUPANTS OF THE WORK PLACE AND AREAS IMMEDIATELY ADJACENT TO THE ASBESTOS PROJECT AS WELL AS PROVIDE WRITTEN NOTIFICATION. INFORMATION PROVIDED IN THE NOTIFICATION SHALL INCLUDE THE CONTRACTOR, THE PROJECT, LOCATION, SIZE, AMOUNT, TYPE OF ACBMs, ABATEMENT PROCEDURE, DATES OF THE PROJECT, AND THE NYC-DEP TELEPHONE NUMBER. POSTING OF THIS NOTIFICATION SHALL BE IN ENGLISH AND SPANISH, AT EYE LEVEL, AND IN A CONSPICUOUS AND WELL LIT PLACE. THE NOTICE SHALL HAVE THE FOLLOWING HEADING: NOTICE OF ASBESTOS ABATEMENT, IN A MINIMUM OF ONE INCH (1") SAN SERIF, GOTHIC OR BLOCK STYLE LETTERING, WITH THE BALANCE OF THE LETTERING TO BE OF THE SAME TYPE WITH A MINIMUM OF 1/4 INCH SIZE. THE NOTICE SHALL BE POSTED SEVEN (7) DAYS IN ADVANCE OF THE PROJECT.
5. THE ASBESTOS ABATEMENT CONTRACTOR (AAC) SHALL UTILIZE THE DESIGNATED ENTRANCE DURING MOBILIZATION, REMOVAL OF WASTE MATERIALS AND DEMOBILIZATION.HE AAC SHALL PROVIDE SECURITY SUCH THAT ALL UNAUTHORIZED PERSONNEL ARE PROHIBITED FROM ENTERING THE WORK SITE DURING WORK HOURS, THE AAC SHALL ALSO PROVIDE FIRE WATCH DURING THE ENTIRE PROJECT INCLUDING OFF SHIFT HOURS AND MAINTAIN A LOG OF FIREWATCH ACTIVITIES. THE FIRE WATCH PERSON MUST HOLD A VALID ASBESTOS LICENSE AND BE FLUENT IN ENGLISH.
6. THE AAC SHALL BE PROVIDED FREE ACCESS INORDER TO REMOVE THE ASBESTOS-CONTAINING FLOOR TILES AND MASTIC.
7. THE AAC SHALL USE EXTREME CARE AND CAUTION DURING ALL DEMOLITION AND ABATEMENT PROCEDURES. A MINIMUM OF DISTURBANCE SHALL OCCUR DURING THE REMOVAL OF ALL MATERIALS AND THE AAC SHALL PROVIDE REGULAR DAILY CLEANING OF THE WORK AREA AND PROVIDE FOR THE PROPER MAINTENANCE OF THE BUILDING PREMISES, STAGING AREA, TRANSPORTATION ROUTES, ETC. THROUGH THE BUILDING. ALL ABATEMENT ACTIONS MUST BE PERFORMED DURING HOSPITAL DEFINED HOURS.
8. ALL ELECTRIC POWER TO THE WORK AREA SHALL BE LOCKED OUT AND A GFI ELECTRICAL PANEL INCLUDING TEMPORARY POWER DISTRIBUTION AND LIGHTING SHALL BE INSTALLED. POWER AND LIGHTING SHALL COMPLY WITH ALL APPLICABLE CODES AND BE BROUGHT INTO THE AREA THROUGH GROUND-FAULT INTERRUPTERS POSITIONED AT THE SOURCE. REQUIRED HOSPITAL/BUILDING ELECTRICAL/COMMUNICATION WIRING/EQUIPMENT SHALL BE IDENTIFIED AND MUST BE PROTECTED, REMAIN IN SERVICE AND UNDISTURBED DURING THE PROJECT. THE AAC WILL BE RESPONSIBLE FOR THE SAFETY AND SAFE OPERATION OF THESE ITEMS.
9. THE AAC SHALL COMPLETELY ISOLATE THE AREA AS DESCRIBED IN THE SPECIFICATION, CONTRACT DOCUMENTS AND ACCORDING TO THE VERBAL INSTRUCTION PROVIDED DURING THE SITE WALKTHROUGH. ISOLATION BARRIERS, PERSONAL/WASTE DECONTAMINATION FACILITIES, PLASTIC SHEETING, AIR FILTRATION DEVICES, AUXILIARY MAKE-UP AIR EQUIPMENT, MANIFOLDS, ETC. ARE TO BE INPLACE AND APPROVED BY THE CONSULTANT PRIOR TO ASBESTOS REMOVAL.
10. THE AAC SHALL FIELD VERIFY LOCATIONS AND CONSTRUCT ISOLATION BARRIERS WHERE REQUIRED AND NECESSARY ABOVE CEILING BARRIERS WHERE PARTITIONS DO NOT EXTEND TO THE UNDERSIDE OF THE DECK ABOVE. SUCH BARRIERS MUST PROVIDE FOR COMPLETE ISOLATION OF CLEAN AREAS FROM CONTAMINATED AREAS. CONSTRUCTION OF BARRIERS SHALL BE UNDER PROPER ASBESTOS CONTROLS AS REQUIRED.
11. THE AAC SHALL INSTALL ISOLATION BARRIERS AS INDICATED BY THE CONSTRUCTION DOCUMENTS. ISOLATION BARRIERS SHALL BE CONSTRUCTED OF FIRE-RETARDANT WOOD OR METAL 2" x 4" STUDS SPACED 16" CC WITH A MINIMUM OF 3/8" FIRE-RETARDANT PLYWOOD SHEETING ON THE WORK SIDE. SEAMS AND JOINTS SHALL BE CAULKED AND SEALED ON THE WORK AREA SIDE AND COVERED WITH FIRE-RETARDANT PLASTIC SHEETING AS REQUIRED.
12. WHERE COMPLETE AND SOLID DOORS EXIST, ISOLATION BARRIERS MAY INCLUDE THE CLOSING AND LOCKING OF THE DOORS AND SEALING WITH DUCT TAPE AND APPLYING TWO (2) LAYERS OF SIX (6) MIL FIRE-RETARDANT PLASTIC SHEETING ON BOTH SIDES UNLESS OTHERWISE INDICTED WITHIN THE SPECIFICATION OR ON THE CONTRACT DRAWINGS.
13. THE AAC SHALL CONSTRUCT A DECONTAMINATION ENCLOSURE SYSTEM AS INDICATED DURING THE PRE-CONSTRUCTION MEETING OR IN OTHER LOCATIONS SUITABLE AND APPROVED BY THE HOSPITAL AND THE CONSULTANT. THE PERSONAL DECONTAMINATION FACILITY SHALL BE OF SUFFICIENT SIZE TO ACCOMMODATE STORAGE OF MATERIALS, EQUIPMENT, ETC. WHILE ALLOWING FOR THE PASSAGE OF LABORERS AND THEIR EQUIPMENT BETWEEN CLEAN AND CONTAMINATED AREAS. THE DECONTAMINATION UNIT SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALL APPLICABLE RULES AND REGULATIONS. THE AAC SHALL BE RESPONSIBLE FOR PROVIDING HOT AND COLD WATER ADJUSTABLE AT THE SHOWER DURING ALL PHASES OF THE ABATEMENT WORK.
14. SHOWER WATER SHALL BE DRAINED, COLLECTED AND FILTERED. FILTERED WATER SHALL BE DISPOSED OF IN ACCORDANCE WITH APPLICABLE RULES AND REGULATIONS.
15. THE AAC SHALL PROVIDE PORTABLE CABINET MOUNTED AIR FILTRATION DEVICES (AFDs) EQUIPPED WITH HEPA FILTERS AT 99.97% EFFICIENCY TO 0.3 MICRONS. THE NUMBER OF AFDs SHALL BE IN SUCH A MANNER TO ENSURE A MINIMUM OF AT LEAST SIX (6) COMPLETE AIR CHANGES PER HOUR AND MAINTAIN A MINIMUM NEGATIVE PRESSURE DIFFERENTALOF 0.02 INCH WATER COLUMN.
16. THE AAC SHALL EXHAUST PORTABLE AFD UNITS AT LOCATIONS ACCEPTABLE TO THE HOSPITAL AND CONSULTANT. THE AAC SHALL PROVIDE AND INSTALL A WOODEN MANIFOLD WITH FIXED LOUVERS, PAINTED BROWN ON THE EXTERIOR SIDE. ALL PORTABLE AFD SHALL EXHAUST OUTSIDE OF THE BUILDING UNLESS OTHERWISE APPROVED BY THE CONSULTANT.
17. THE AAC SHALL BE RESPONSIBLE FOR SUPPLING ALL NECESSARY CONNECTIONS, FASTENERS, FLEXIBLE DUCT, SUPPORTING SUSPENSIONS, ETC., FROM AFD UNITS TO EXHAUST AND INTAKE LOCATIONS, INSTALLATION OF AFD SHALL COMPLY WITH CONSULTANT'S INSTRUCTION AND MANUFACTURER'S REQUIREMENTS.
18. PRIOR TO THE REMOVAL OF ASBESTOS-CONTAINING MATERIALS IN EACH AREA, ALL HVAC SERVICING THE WORK AREAS(s) (I.E. SUPPLY, RETURN AND EXHAUST) SHALL BE SHUT DOWN AND LOCKED OUT. THE AAC SHALL COORDINATE THE SHUT DOWN WITH THE HOSPITAL AND THEIR ENGINEERS.
19. THE AAC SHALL REMOVE ALL ASBESTOS-CONTAINING FLOOR TILES AND MASTIC AS INDICATED ON THE DRAWINGS.
20. THE AAC SHALL APPLY ONE COAT OF SEALANT OVER ALL SURFACES FROM WHICH ASBESTOS CONTAINING MATERIALS HAVE BEEN REMOVED FOLLOWING COMPLETION OF SUCCESSFUL FINAL CLEARANCE AIR TESTING. SEALANT SHALL BE COMPATIBLE WITH REPLACEMENT MATERIALS.
21. THE AAC SHALL PROVIDE CLEAN UP PROCEDURES FOR ALL WALLS, EXPOSED SURFACES STRUCTURES, AND ANY OTHER ELEMENT THAT EXISTS WITHIN THE WORK AREA AT THE COMPLETION OF ASBESTOS REMOVAL IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
22. ALL WASTE MATERIALS SHALL BE REMOVED DURING APPROVED COMMUNITY AND HOSPITAL DEFINED HOURS.
23. THE AAC SHALL DISPOSE OF ALL CONSTRUCTION DEBRIS IN AN APPROVED LANDFILL.
24. THE AAC SHALL PROTECT ALL FIRE ALARM PULL STATIONS AND WARDEN STATIONS TO AVOID ACCIDENTAL ACTIVATION DURING THE WORK. IN ADDITION, THE AAC SHALL PROTECT HOSPITAL DEFINED ITEMS.
25. ALL MOVABLE OBJECTS WITHIN THE WORK AREA SHALL BE PRE-CLEANED PRIOR TO REMOVAL FROM THE WORK SITE.
26. IN THE EVENT THAT THE AAC IS TERMINATED FROM THE PROJECT, ALL EQUIPMENT (SHOWERS, AIR FILTRATION DEVICES, ETC.) SHALL REMAIN ON THE SITE UNTIL COMPLETION OF ASBESTOS ABATEMENT BY THE REPLACEMENT AAC.
27. THE AAC SHALL REPAIR OR REPLACE ALL DAMAGED ITEMS, FINISHED SURFACES, EQUIPMENT ON OTHER FLOORS IF DAMAGE IS CAUSED BY PERFORMANCE OF WORK OF THIS PROJECT.
28. THE AAC SHALL COMPLETELY CLEAN AND DECONTAMINATE ALL SURFACES WITHIN THE WORK AREA AND ANY OTHER AREAS WHICH MAY HAVE BECOME CONTAMINATED AS PART OF THIS PROJECT.
29. THE AAC SHALL PROTECT ALL WALLS AND PARTITIONS WHICH WILL REMAIN AS INDICATED IN THE CONTRACT DOCUMENTS.
30. ALL WORK SHALL BE IN ACCORDANCE WITH THE NEW YORK CITY BUILDING CODE RULES, REGULATIONS, AND DIRECTIVES.
31. ALL WORK SHALL BE IN ACCORDANCE WITH FIRE DEPARTMENT CHAPTER 19.
32. ALL ASBESTOS ABATEMENT WORK SHALL BE IN ACCORDANCE WITH APPLICABLE RULES AND REGULATIONS INCLUDING ALL CURRENT REVISIONS TO TITLE 15 RCCNY AS WELL AS ANY REQUIREMENTS OF THE A-TRU REVIEWS AND PERMITS.
33. ALL MEANS OF EGRESS ARE TO BE MAINTAINED FREE AND CLEAR DURING THE ENTIRE DEMOLITION AND ABATEMENT PROCESS.
34. PROTECT ALL TELEPHONE EQUIPMENT ROOMS, ELECTRICAL CLOSETS, CORRIDORS, ETC. DURING THE WORK.
35. NO ACCUMULATION OF RUBBISH TO BE PERMITTED ON THE FLOORS.
36. ALL WORK SHALL BE IN ACCORDANCE WITH THE HOSPITALS RULES, REGULATIONS AND SPECIFICATIONS.
37. NO CONSTRUCTION SHALL START UNTIL ALL CITY AND STATE PERMITS ARE OBTAINED AND VARIANCES ARE APPROVED.
38. OSHA STANDARDS ARE TO BE MAINTAINED AND FOLLOWED AT ALL TIMES THROUGHOUT THE COURSE OF THE PROJECT.



1 **SECOND FLOOR ASBESTOS ABATEMENT PLAN**
SCALE: 1/8"=1'-0"

LEGEND

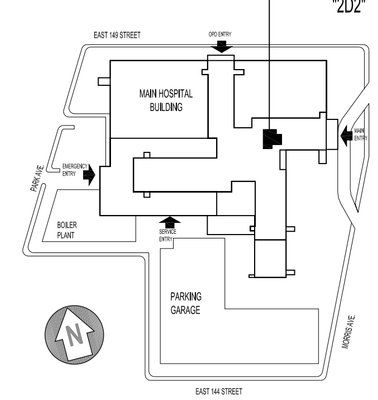
EXISTING ASBESTOS-CONTAINING FLOOR TILES AND MASTIC

DOB EMPLOYEE STAMPS AND SIGNATURES:

DOB BSCAN STICKER:

REVISION	DATE	REASON FOR ISSUE
	06-25-2012	ISSUED TO DOB
	11-03-2011	ISSUED FOR OWNER REVIEW

KEY PLAN :



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234 East 149 Street Bronx, NY 10451

DRAWING:
SECOND FLOOR
ASBESTOS ABATEMENT PLAN AND NOTES

SCALE :	1/8"=1'-0"
DRAWN BY :	CAD
CHECKED BY :	VC
DATE :	09-06-2011
JOB # :	21115.00

DRAWING # :
AB-100.00