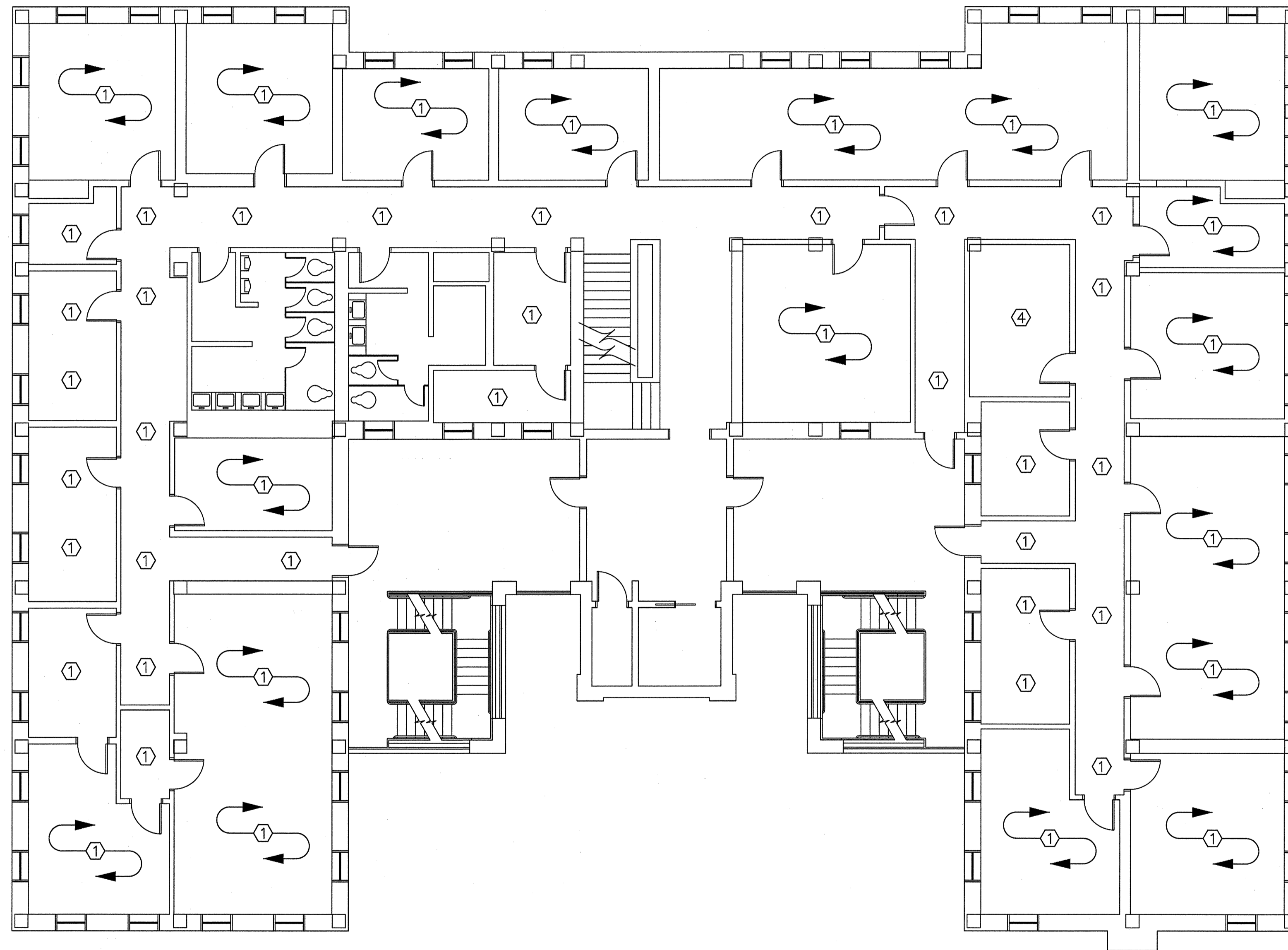


REMOVAL NOTES

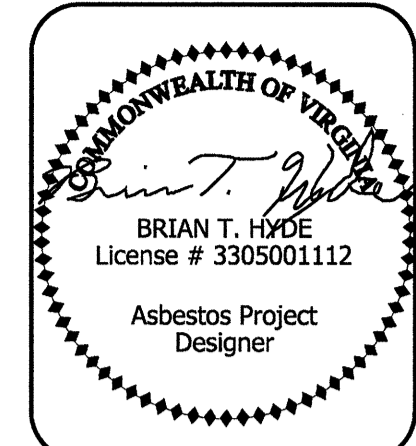
- ① REMOVE ASBESTOS-CONTAINING 9" FLOOR TILE AND MASTIC, UNDER CARPET.
- ② NOT USED ON THIS SHEET.
- ③ NOT USED ON THIS SHEET.
- ④ REMOVE ASBESTOS-CONTAINING RESIDUAL FLOOR TILE MASTIC.
- ⑤ NOT USED ON THIS SHEET.

GENERAL NOTES

1. A HAZARDOUS MATERIALS INSPECTION WAS PERFORMED. THE SURVEY/INSPECTION REPORT IS AVAILABLE TO THE CONTRACTOR(S) FOR THEIR INFORMATION. THE WORK WILL REQUIRE THE REMOVAL OF ASBESTOS-CONTAINING MATERIALS. DESTRUCTIVE ACTIVITIES SUCH AS BREAKING INTO WALLS, CEILINGS AND FLOORS WERE NOT PERFORMED IN ORDER TO LOCATE MATERIALS. THEREFORE, IF DURING THE WORK SUSPECT MATERIALS ARE UNCOVERED, THE CONTRACTORS SHALL STOP WORK UNTIL THE MATERIAL IS PROPERLY IDENTIFIED AND ADDRESSED.
2. CONTRACTOR SHALL COORDINATE HAZMAT REMOVAL WITH OTHER TRADES. SEE DEMOLITION DRAWINGS FOR COORDINATION REQUIREMENTS.
3. REMOVE ASBESTOS-CONTAINING MATERIALS IN ACCORDANCE WITH SPECIFICATION SECTION 02 82 14.00 10 "ASBESTOS HAZARD CONTROL ACTIVITIES".
4. REMOVE ASBESTOS-CONTAINING FLOOR TILE AND MASTIC IN ACCORDANCE WITH SPECIFICATION SECTION 02 82 14.00 10. FOR BIDDING PURPOSES ASSUME 25,200 SQUARE FEET OF FLOOR TILE AND MASTIC TOTAL FOR PROJECT, APPROXIMATELY 1,580 SQUARE FEET OF TOTAL FLOOR TILE AND MASTIC IS TWO LAYERS.
5. REMOVE ASBESTOS-CONTAINING WINDOW GLAZING COMPOUND IN ACCORDANCE WITH SPECIFICATION SECTION 02 82 14.00 10. FOR BIDDING PURPOSES ASSUME 800 LINEAR FEET OF WINDOW GLAZING COMPOUND.
6. REMOVE ASBESTOS-CONTAINING TAR PAPER & MASTIC IN ACCORDANCE WITH SPECIFICATION SECTION 02 82 14.00 10. TAR PAPER AND MASTIC IS ON INTERIOR MASONARY WALLS AND MAY EXIST IN OTHER LOCATIONS NOT SHOWN ON DRAWINGS. FOR BIDDING PURPOSES ASSUME 1,500 SQUARE FEET OF TAR PAPER AND MASTIC.
7. ASBESTOS-CONTAINING THERMAL SYSTEM INSULATION (TSI) WAS NOT OBSERVED IN ACCESSIBLE PORTIONS OF THE BUILDING. ASBESTOS-CONTAINING PIPE INSULATION (RUNS, VALVES, ELBOWS, TEES, ETC.) MAY BE ENCOUNTERED IN CONCEALED AREAS WITHIN THE BUILDING SUCH AS WALLS, CHASES, AND ABOVE HARD CEILINGS. IF ASBESTOS-CONTAINING PIPE INSULATION IS ENCOUNTERED IN CONCEALED AREAS WITHIN THE BUILDING AND IS TO BE DISTURBED IT SHOULD BE REMOVED IN ACCORDANCE WITH SPECIFICATION SECTION 02 82 14.00 10. FOR BIDDING PURPOSES, ASSUME 500 LINEAR FEET OF PIPE INSULATION TOTAL FOR PROJECT.
8. EXISTING PAINT HAS BEEN DETERMINED TO CONTAIN LEAD, CADMIUM AND CHROMIUM CONCENTRATIONS ABOVE THE LABORATORY'S MINIMUM DETECTION LIMIT. PERFORM WORK IN ACCORDANCE WITH SPECIFICATION SECTION 02 82 33.13 20 "REMOVAL/CONTROL AND DISPOSAL OF PAINT WITH LEAD". CONSTRUCTION STANDARDS FOR LEAD, CADMIUM AND CHROMIUM ARE 29 CFR 1926.62, CFR 29 1926.1127 AND 29 CFR 1926.1126.
9. REMOVE EXISTING LEAD CONTAINING PAINT ON MECHANICAL ROOM WALLS AND CEILINGS AS NECESSARY TO PERFORM RE-COATING. SEE DEMOLITION DRAWINGS TO DETERMINE EXTENT OF DEMOLITION TO MECHANICAL ROOM WALLS.
10. ALL LIGHT BALLASTS WITHOUT "NON-PCB" MARKINGS SHALL BE CONSIDERED PCB CONTAINING AND SHALL BE REMOVED IN ACCORDANCE WITH SPECIFICATION SECTION 02 84 16 "HANDLING OF LIGHTING BALLASTS AND LAMPS CONTAINING PCBs AND MERCURY". FOR BIDDING PURPOSES, THE CONTRACTOR SHALL ASSUME 10% OF THE LIGHT BALLASTS CONTAIN PCBs AND ALL ASSOCIATED FLUORESCENT LIGHT TUBES CONTAIN MERCURY VAPOR.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEVELOPING A PROJECT APPROACH BY COORDINATING WITH VARIOUS SUBCONTRACTORS. THE SPECIFIC WORK TECHNIQUES AND PRACTICES SELECTED TO EXECUTE THE CONTRACT WILL DETERMINE THE ABATEMENT MEASURES REQUIRED. THE PROJECT APPROACH SHALL BE BASED ON HISTORICAL DATA AND EXPERIENCE WITH PROJECTS OF SIMILAR SCOPE.
12. THE CONTRACTOR SHALL BE AWARE THAT AREAS IN THE ATTIC MAY CONTAIN BIRD DROPPINGS AND BIRD CARCASSES. EVIDENCE OF BIRD ACTIVITY IN THE ATTIC HAS BEEN AN ISSUE. REFER TO SECTION 01 12 00, PART 1.3.2.3 FOR PERSONAL PROTECTION, REMOVAL AND DISPOSAL.
13. TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP) TESTING ON EXISTING PAINTED BUILDING MATERIALS, WHEN DEMOLISHED AS COMPONENTS OF AN ASSEMBLY TYPICALLY RETURN RESULTS CLASSIFYING THE WASTE AS NONHAZARDOUS. PAINTED MATERIAL REMOVED IN THE FORM OF STRIPPING, BLASTING, SCRAPING OR OTHER METHODS THAT REMOVE THE PAINT COATING FROM THE EXISTING SUBSTRATE, OR PRODUCES A WASTE RESULTING PRIMARILY OF PAINT MATERIAL, WILL RESULT IN WASTE CLASSIFIED AS HAZARDOUS. THE CONTRACTOR SHALL COORDINATE THE WORK PROCEDURES TO DETERMINE THE ANTICIPATED WASTE STREAM. CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH DISPOSAL OF WASTE GENERATED FROM THE WORK.



SECOND FLOOR HAZARDOUS MATERIALS PLAN
1/8" = 1'-0"

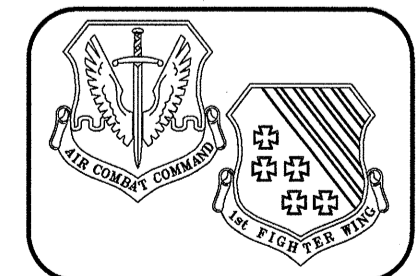


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REV1	DATE1	DESCRIPTION1
REV2	DATE2	DESCRIPTION2
REV3	DATE3	DESCRIPTION3
REV4	DATE4	DESCRIPTION4
REV5	DATE5	DESCRIPTION5
REV6	DATE6	DESCRIPTION6
REV7	DATE7	DESCRIPTION7

DATE: 6/26/2009	DESIGNED BY: MJR	CHECKED BY: BTH
FILE NAME:	DRAWN BY: MJR	
PLOT DATE: XX/XX/XXXX	REVIEWED BY: HNA	
PLOT SCALE: 1/8" = 1'0"	SUBMITTED BY: XXX	

PROJECT NUMBER
MUHJ08-4112

HQ ACC/DSF RENOVATION OF BUILDING 669
SECOND-FLOOR HAZARDOUS MATERIALS



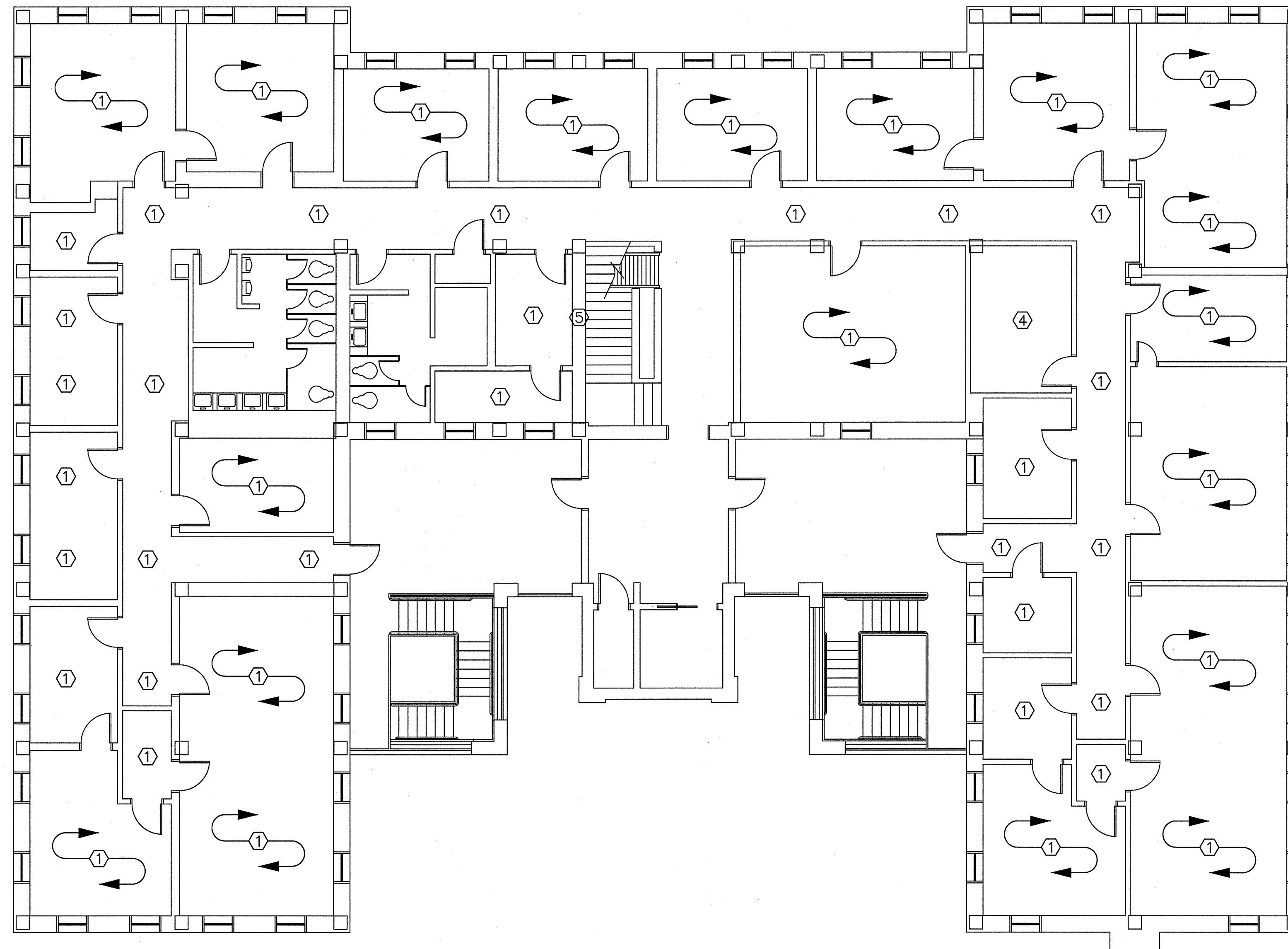
HM103
SHEET 5 OF 174

REMOVAL NOTES

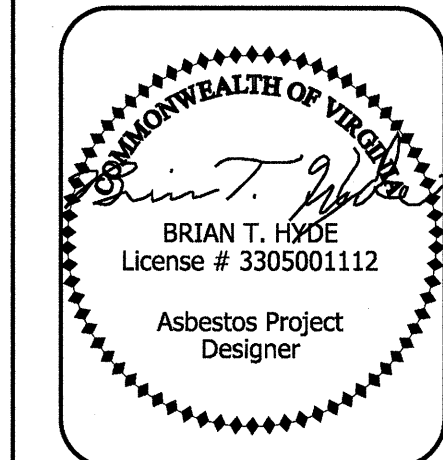
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- ② NOT USED ON THIS SHEET.
- ③ NOT USED ON THIS SHEET.
- ④ REMOVE ASBESTOS-CONTAINING RESIDUAL FLOOR TILE MASTIC.
- ⑤ REMOVE ASBESTOS-CONTAINING BLACK TAR PAPER AND MASTIC ON MASONARY WALL.

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THIRD FLOOR HAZARDOUS MATERIALS PLAN
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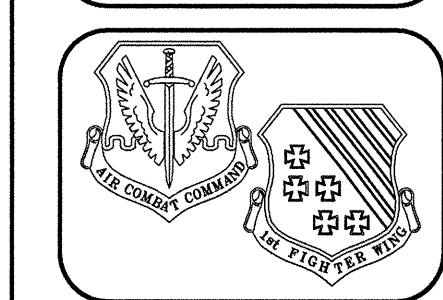


REV#	DATE	DESCRIPTION

DESIGNED BY: MJR	CHECKED BY: BTH
DRAWN BY: MJR	REVIEWED BY: HNA
DATE: 6/26/2009	FILE NAME: XX/XX/XXXX
PROJECT NUMBER: MUHJ08-4112	PLotted SCALE: 1/8" = 1'-0"
DEPARTMENT OF THE AIR FORCE AIR COMBAT COMMAND LANGLEY AFB VA CIVIL ENGINEERING OFFICE	

PROJECT NUMBER
MUHJ08-4112

HQ ACC/DSF RENOVATION OF BUILDING 669
THIRD-FLOOR HAZARDOUS MATERIALS



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