





GENERAL NOTES





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3. THE CONTRACTOR SHALL DETACH ALL FURNISHINGS, CASEWORK, HEATING UNITS, AND OTHER OBSTRUCTIONS TO ACCESS CONCEALED ASBESTOS-CONTAINING MATERIALS SPECIFIED FOR REMOVAL. NEATLY STAGE ALL REMOVED ITEMS FOR FINAL DISPOSITION BY OWNER'S GENERAL CONTRACTOR.
4. CLEANUP AND DISPOSAL OF ALL GENERAL WASTE GENERATED AS A RESULT OF SELECTIVE DEMOLITION TO ACCESS CONCEALED ASBESTOS-CONTAINING MATERIALS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

ABATEMENT NOTES

1. REMOVE HEATING UNIT COVERS AND INSPECT INTERIOR COMPONENTS AND PIPES FOR THE PRESENCE OF ASBESTOS-CONTAINING ADHESIVE ASPHALTIC STRIPS. REMOVE AND DISPOSE OF ALL ASPHALTIC STRIPS ENCOUNTERED, OR DISPOSE OF THE ASSOCIATED COMPONENTS AS ASBESTOS WASTE. APPROXIMATELY 31 HEATING UNITS ARE PRESENT ON THIS FLOOR.
2. REMOVE AND DISPOSE OF ALL CEILING MOUNTED LIGHT FIXTURES WITH ASBESTOS-CONTAINING INSULATING FELT, INCLUDING ALL ASSOCIATED FIXTURE WIRING. COORDINATE WITH THE OWNER'S GENERAL CONTRACTOR FOR LIGHT FIXTURE LOCKOUT PRIOR TO REMOVAL. CONTRACTOR SHALL SAFELY CAP ALL EXPOSED WIRES. APPROXIMATELY 7 FIXTURES ARE PRESENT ON THIS FLOOR LOCATED IN ROOMS 4, 10, 12, 13, 15, 17, AND 19.
3. REMOVE AND DISPOSE OF ALL RUBBER / VINYL COVEBASE APPLICATIONS AND ALL ASSOCIATED LOOSE COVEBASE MASTIC CONTAINING LESS THAN ONE PERCENT ASBESTOS FROM ALL BASEMENT LOCATIONS WHERE FLOORING ABATEMENT IS SPECIFIED.
4. REMOVE AND DISPOSE OF ALL WOOD WALLBASE THROUGHOUT THE BUILDING. ASBESTOS-CONTAINING MASTIC HAS BEEN IDENTIFIED BEHIND WOOD WALLBASE IN SOME BUILDING LOCATIONS; HENCE, ALL WOOD WALLBASE MASTIC ENCOUNTERED SHALL BE REMOVED AND DISPOSED OF AS ASBESTOS WASTE. ANY RESIDUAL MASTIC ATTACHED TO WALLS SHALL BE COMPLETELY REMOVED.

LEGEND

-  REMOVE AND DISPOSE OF ALL ASBESTOS-CONTAINING VINYL FLOOR TILE.
NOTE: THE MASTIC ASSOCIATED WITH THIS MATERIAL DOES NOT CONTAIN ASBESTOS.
-  REMOVE AND DISPOSE OF ALL ASBESTOS-CONTAINING SHEET VINYL FLOORING AND ASSOCIATED MASTIC.
-  REMOVE AND DISPOSE OF ALL ASBESTOS-CONTAINING VINYL FLOOR TILE CONCEALED BENEATH CARPET.
NOTE: THE MASTIC ASSOCIATED WITH THIS MATERIAL DOES NOT CONTAIN ASBESTOS.
-  REMOVE AND DISPOSE OF ALL ASBESTOS CONTAMINATED CARPET AND ALL REMNANT ASBESTOS-CONTAINING MASTIC.

-  1 REMOVE AND DISPOSE OF ALL STAIR COVERINGS AND ALL UNDERLYING MASTICS THROUGHOUT STAIRCASE.
-  2 REMOVE AND DISPOSE OF ALL MECHANICAL ISOLATION CLOTH ASSOCIATED WITH THE HVAC UNIT.
-  3 REMOVE AND DISPOSE OF SINK WITH ASBESTOS-CONTAINING UNDERCOAT.
-  4 REMOVE AND DISPOSE OF ALL ASBESTOS-CONTAINING MASTIC FROM CONCRETE COLUMN. DEMOLISH WALL FINISHES AS NECESSARY TO ACCESS CONCEALED MASTIC.

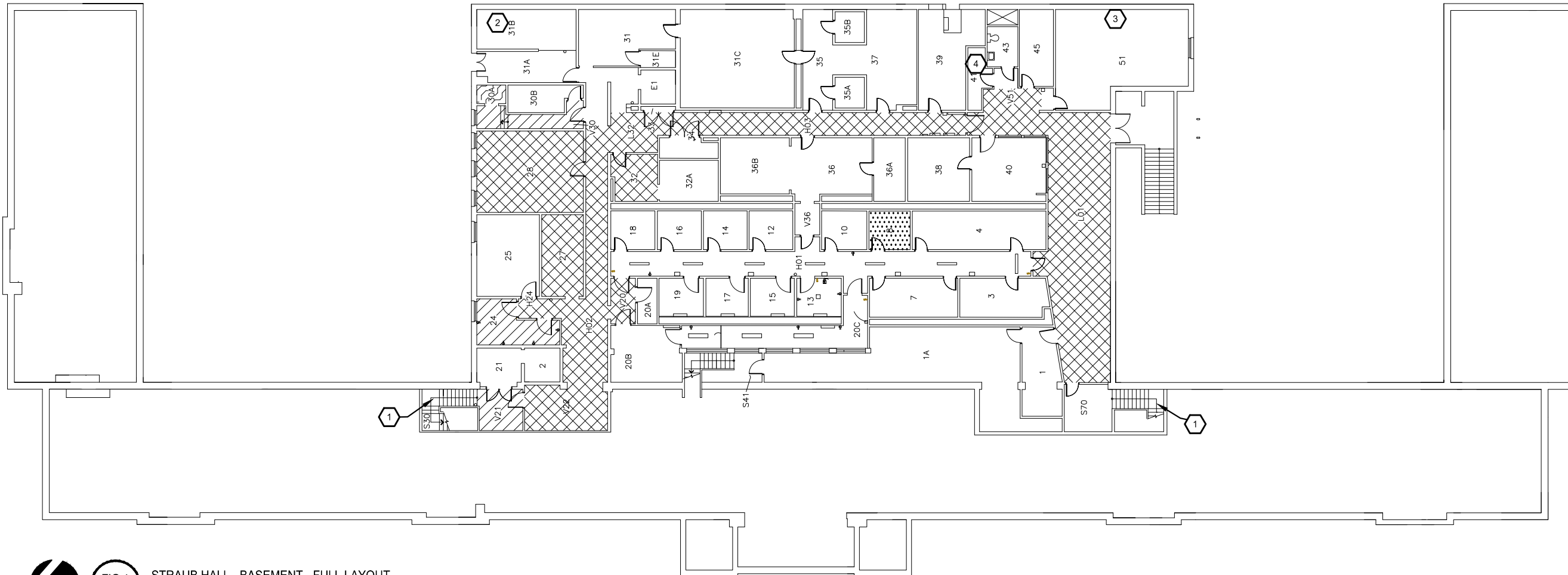


FIG 1 STRAUB HALL - BASEMENT - FULL LAYOUT
1 NOT TO SCALE

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BASEMENT	
FULL FLOOR	
FLOORING & MISC. MATERIALS	
PROJECT:	51980.001
DATE:	JUNE 2013
FIGURE:	

1

GENERAL NOTES

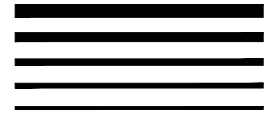
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4. CLEANUP AND DISPOSAL OF ALL GENERAL WASTE GENERATED AS A RESULT OF SELECTIVE DEMOLITION TO ACCESS CONCEALED ASBESTOS-CONTAINING MATERIALS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

ABATEMENT NOTES

1. REMOVE HEATING UNIT COVERS AND INSPECT INTERIOR COMPONENTS AND PIPES FOR THE PRESENCE OF ASBESTOS-CONTAINING ADHESIVE ASPHALTIC STRIPS. REMOVE AND DISPOSE OF ALL ASPHALTIC STRIPS ENCOUNTERED, OR DISPOSE OF THE ASSOCIATED COMPONENTS AS ASBESTOS WASTE. APPROXIMATELY 31 HEATING UNITS ARE PRESENT ON THIS FLOOR.
2. REMOVE AND DISPOSE OF ALL WOOD WALLBASE THROUGHOUT THE BUILDING. ASBESTOS-CONTAINING MASTIC HAS BEEN IDENTIFIED BEHIND WOOD WALLBASE IN SOME BUILDING LOCATIONS; HENCE, ALL WOOD WALLBASE MASTIC ENCOUNTERED SHALL BE REMOVED AND DISPOSED OF AS ASBESTOS WASTE. ANY RESIDUAL MASTIC ATTACHED TO WALLS SHALL BE COMPLETELY REMOVED.
3. RISER LOCATIONS ILLUSTRATED ON THE DRAWINGS ARE ESTIMATES ONLY BASED ON LIMITED FIELD OBSERVATIONS AND HISTORIC BUILDING PLANS. ACTUAL LOCATIONS MAY BE DIFFERENT AND ADDITIONAL RISERS MAY BE PRESENT. CONTRACTOR SHALL PERFORM DEMOLITION OF PLASTER BLOCK, AND LATH AND PLASTER WALLS FROM FLOOR TO CEILING TO EXPOSE ALL PIPE RISERS. PERFORM ADDITIONAL WALL AND CEILING FINISH DEMOLITION AS NECESSARY TO EXPOSE LATERAL PIPING AND REMOVE ALL EXISTING ASBESTOS-CONTAINING PIPE INSULATION THROUGHOUT THE BUILDING. INSPECT ALL EXISTING INSPECTION ACCESSES INSTALLED IN PLASTER CEILINGS BY THE OWNER. PERFORM ADDITIONAL SELECTIVE DEMOLITION AS REQUIRED TO EXPOSE ANY INSULATED PIPES IDENTIFIED THROUGH THE INSPECTION ACCESSES, AND REMOVE AND DISPOSE OF ALL ASBESTOS-CONTAINING PIPE INSULATION. CONTRACTOR SHALL MAINTAIN CONTINUOUS, DETAILED RECORDS OF ALL INSULATION REMOVED IN EACH WORK AREA AND REPORT ALL MATERIAL QUANTITY DISCREPANCIES TO THE OWNER'S ENVIRONMENTAL CONSULTANT.
4. ABATE ASBESTOS-CONTAINING PIPE INSULATION AT LEAST TWO FEET INSIDE HORIZONTAL PIPE CHASES LOCATED IN VESTIBULE V21 AND STAIRWELL S70.

LEGEND

- # APPROXIMATE LOCATION AND QUANTITY OF KNOWN EXPOSED ASBESTOS-CONTAINING PIPE AND PIPE FITTING INSULATION.
- # APPROXIMATE LOCATION AND QUANTITY OF KNOWN ASBESTOS-CONTAINING PIPE AND PIPE FITTING INSULATION CONCEALED ABOVE CEILINGS.
- 6 REMOVE REMNANT PIPE INSULATION ABOVE DOORWAY AND REMOVE AND DISPOSE OF ALL PIPE INSULATION DEBRIS AND BUILDING MATERIAL DEBRIS WITHIN APPROXIMATELY 12' x 4' PORTION OF DIRT FLOOR CRAWLSPACE.
- 7 REMOVE AND DISPOSE OF ALL ASBESTOS-CONTAINING TANK INSULATION.



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BASEMENT

FULL FLOOR

THERMAL SYSTEM INSULATION

PROJECT: 51980.001

DATE: JUNE 2013

FIGURE:

2

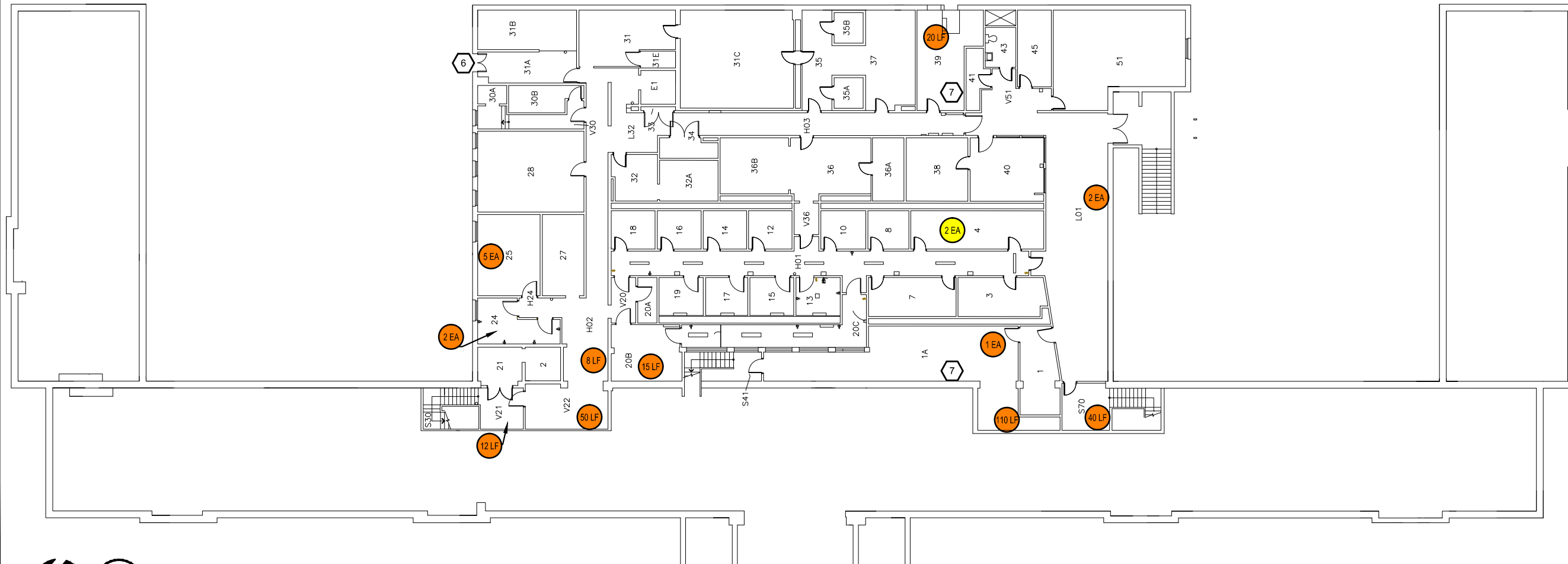










FIG 2 STRAUB HALL - BASEMENT - FULL LAYOUT
1 NOT TO SCALE

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LEGEND

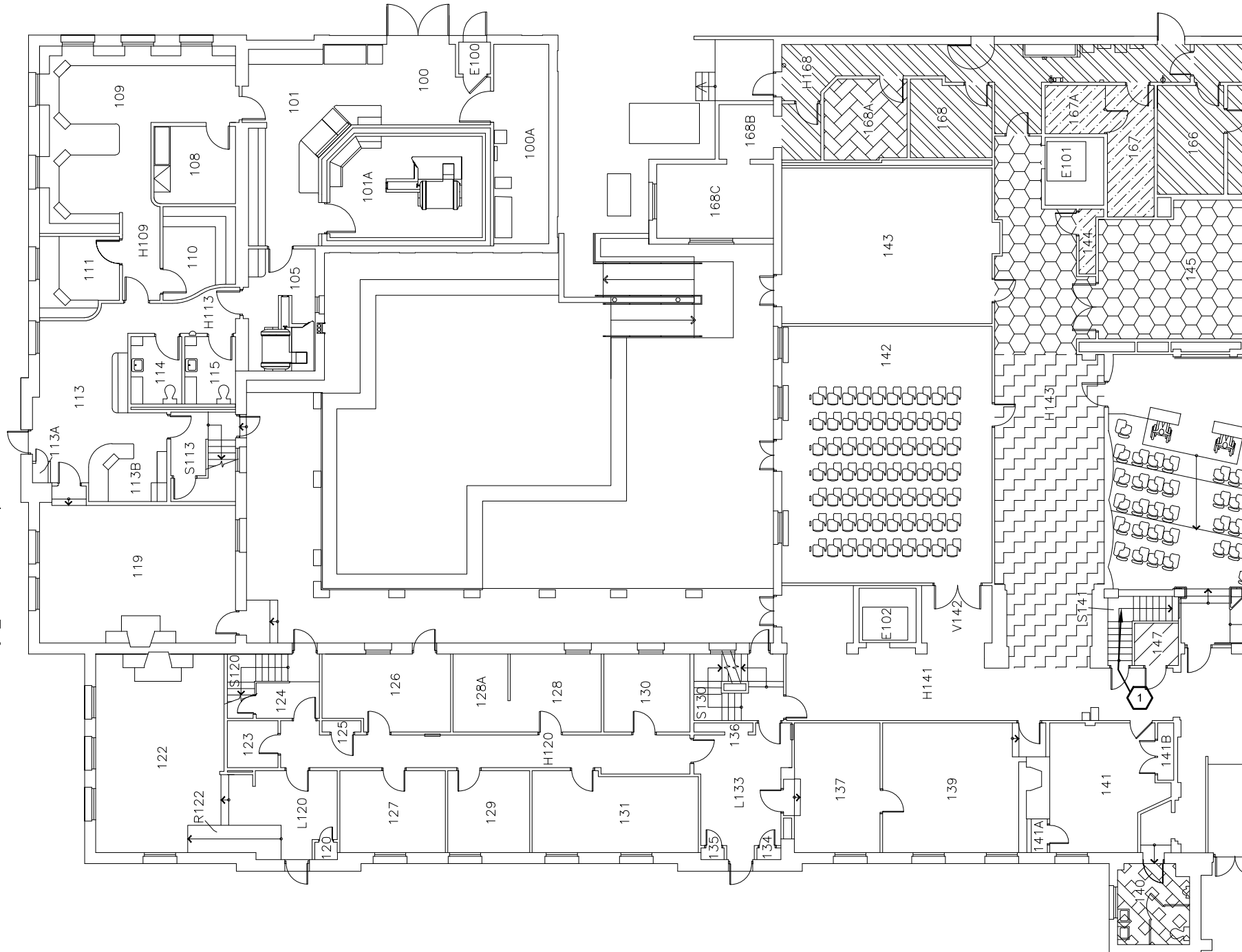
-  REMOVE AND DISPOSE OF ALL ASBESTOS-CONTAINING VINYL FLOOR TILE. NOTE: THE MASTIC ASSOCIATED WITH THIS MATERIAL DOES NOT CONTAIN ASBESTOS.
-  REMOVE AND DISPOSE OF ALL ASBESTOS-CONTAINING POURED FLOORING FROM CONCRETE SUBSTRATE, CONCEALED BENEATH NON-ASBESTOS FLOOR COVERINGS.
-  REMOVE AND DISPOSE OF ALL ASBESTOS-CONTAINING POURED FLOORING FROM CONCRETE SUBSTRATE, CONCEALED BENEATH RAISED GRID FLOOR.
-  REMOVE AND DISPOSE OF ALL ASBESTOS-CONTAINING VINYL FLOOR TILE AND UNDERLYING POURED FLOORING FROM CONCRETE SUBSTRATE.
-  REMOVE AND DISPOSE OF ALL ASBESTOS-CONTAINING VINYL FLOOR TILE AND POURED FLOORING CONCEALED BENEATH NON-ASBESTOS FLOOR COVERINGS AND APPLIED TO CONCRETE SUBSTRATE.
-  REMOVE AND DISPOSE OF ALL ASBESTOS-CONTAINING VINYL FLOOR TILE CONCEALED BENEATH CARPET AND APPLIED TO PLYWOOD SUBSTRATE. NOTE: THE MASTIC ASSOCIATED WITH THIS MATERIAL DOES NOT CONTAIN ASBESTOS.
-  REMOVE AND DISPOSE OF ALL CERAMIC TILE, GROUT, AND MASTIC FROM CONCRETE SUBSTRATE. NOTE: THE MASTIC ASSOCIATED WITH THIS MATERIAL IS ASBESTOS-CONTAINING.
-  REMOVE AND DISPOSE OF ALL STAIR COVERINGS AND ALL UNDERLYING MASTICS THROUGHOUT STAIRCASE.


GENERAL NOTES

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ABATEMENT NOTES

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2. REMOVE AND DISPOSE OF ALL CEILING MOUNTED LIGHT FIXTURES WITH ASBESTOS-CONTAINING INSULATING FELT, INCLUDING ALL ASSOCIATED FIXTURE WIRING. COORDINATE WITH THE OWNER'S GENERAL CONTRACTOR FOR LIGHT FIXTURE CIRCUIT LOCKOUT PRIOR TO REMOVAL. CONTRACTOR SHALL SAFELY CAP ALL EXPOSED WIRES. APPROXIMATELY 3 FIXTURES ARE PRESENT ON THIS FLOOR LOCATED IN ROOM 147 AND TWO AREAS IN VESTIBULE V142.
3. REMOVE AND DISPOSE OF ALL RUBBER / VINYL COVEBASE APPLICATIONS AND ALL ASSOCIATED LOOSE COVEBASE MASTIC CONTAINING LESS THAN ONE PERCENT ASBESTOS FROM VARIOUS LOCATIONS THROUGHOUT THE BUILDING. COVEBASE HAS BEEN IDENTIFIED IN THE FOLLOWING AREAS ON THIS FLOOR: ROOMS 126, 128, 128A, 130, 144, 145, 146, 154, 155, 156, 156A-C, 178A, 180, 186, 186A, AND 195; HALLWAYS H120 AND H186; LOBBY L133.
4. REMOVE AND DISPOSE OF ALL WOOD WALLBASE THROUGHOUT THE BUILDING. ASBESTOS-CONTAINING MASTIC HAS BEEN IDENTIFIED BEHIND WOOD WALLBASE IN SOME BUILDING LOCATIONS; HENCE, ALL WOOD WALLBASE MASTIC ENCOUNTERED SHALL BE REMOVED AND DISPOSED OF AS ASBESTOS WASTE. ANY RESIDUAL MASTIC ATTACHED TO WALLS SHALL BE COMPLETELY REMOVED.



 **FIG 3** STRAUB HALL - FIRST FLOOR - NORTH HALF
1 NOT TO SCALE

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FIRST FLOOR
NORTH HALF



FLOORING & MISC. MATERIALS



PROJECT: 51980.001
DATE: JUNE 2013

FIGURE:
3

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LEGEND

-  REMOVE AND DISPOSE OF ALL ASBESTOS-CONTAINING POURED FLOORING FROM CONCRETE SUBSTRATE, CONCEALED BENEATH NON-ASBESTOS FLOOR COVERINGS.
-  REMOVE AND DISPOSE OF ALL ASBESTOS-CONTAINING VINYL FLOOR TILE AND POURED FLOORING CONCEALED BENEATH NON-ASBESTOS FLOOR COVERINGS AND APPLIED TO CONCRETE SUBSTRATE.

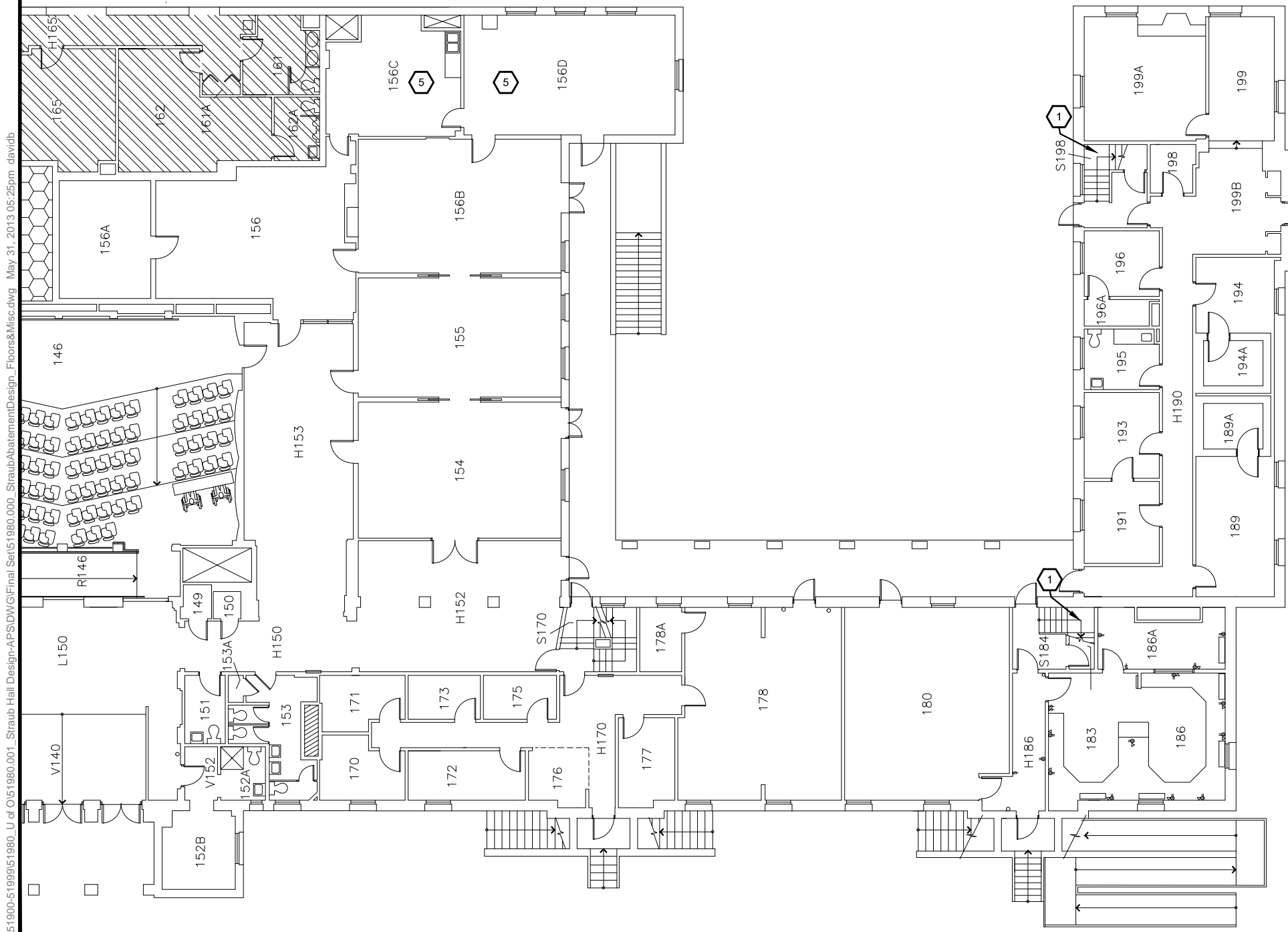
-  REMOVE AND DISPOSE OF ALL STAIR COVERINGS AND ALL UNDERLYING MASTICS THROUGHOUT STAIRCASE.
-  REMOVE NON-ASBESTOS FLOOR COVERINGS TO ACCESS AND DETERMINE EXTENT OF REMNANT ASBESTOS-CONTAINING MASTIC. REMOVE ALL MASTIC ENCOUNTERED AND ALL MASTIC-CONTAMINATED FLOORING.


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ABATEMENT NOTES

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3. REMOVE AND DISPOSE OF ALL RUBBER / VINYL COVEBASE APPLICATIONS AND ALL ASSOCIATED LOOSE COVEBASE MASTIC CONTAINING LESS THAN ONE PERCENT ASBESTOS FROM VARIOUS LOCATIONS THROUGHOUT THE BUILDING. COVEBASE HAS BEEN IDENTIFIED IN THE FOLLOWING AREAS ON THIS FLOOR: ROOMS 126, 128, 128A, 130, 144, 145, 146, 154, 155, 156, 156A-C, 178A, 180, 186, 186A, AND 195; HALLWAYS H120 AND H186; LOBBY L133.
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 **FIG 4** STRAUB HALL - FIRST FLOOR - SOUTH HALF
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FIRST FLOOR	
SOUTH HALF	
FLOORING & MISC. MATERIALS	
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FIGURE:
4

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LEGEND

- # APPROXIMATE LOCATION AND QUANTITY OF KNOWN EXPOSED ASBESTOS-CONTAINING PIPE AND PIPE FITTING INSULATION.
- # APPROXIMATE LOCATION AND QUANTITY OF KNOWN ASBESTOS-CONTAINING PIPE AND PIPE FITTING INSULATION CONCEALED ABOVE CEILINGS.
- # APPROXIMATE LOCATION AND QUANTITY OF PIPE INSULATION OBSERVED ABOVE PLASTER CEILING. DEMOLISH CEILING FINISHES AS NECESSARY TO ACCESS, REMOVE, AND DISPOSE OF PIPE INSULATION.
- 8 PERFORM PLASTER CEILING DEMOLITION AT THIS LOCATION TO CREATE 2' x 2' INSPECTION ACCESS TO IDENTIFY POTENTIALLY CONCEALED ASBESTOS-CONTAINING PIPE INSULATION. PERFORM ADDITIONAL SELECTIVE DEMOLITION AS REQUIRED TO EXPOSE ANY INSULATED PIPES IDENTIFIED THROUGH THE INSPECTION ACCESSES, AND REMOVE AND DISPOSE OF ALL ASBESTOS-CONTAINING PIPE INSULATION.
- ⊘ APPROXIMATE LOCATION OF STEAM RISER. CONTRACTOR TO PERFORM ALL NECESSARY DEMOLITION OF PLASTER AND METAL LATHE FROM FLOOR TO CEILING, INCLUDING THE CEILING AT THE TOP OF EACH RISER TO REMOVE AND DISPOSE OF ALL ASBESTOS-CONTAINING PIPE AND PIPE FITTING INSULATION ON RISER AND LATERAL PIPES FEEDING HEATING UNITS ON THE FLOOR ABOVE.
- ⊘ APPROXIMATE LOCATION OF DOMESTIC HOT AND COLD WATER RISERS. CONTRACTOR TO PERFORM ALL NECESSARY DEMOLITION OF PLASTER BLOCK FROM FLOOR TO CEILING TO REMOVE AND DISPOSE OF ALL ASBESTOS-CONTAINING PIPE AND PIPE FITTING INSULATION. PERFORM ADDITIONAL WALL AND CEILING DEMOLITION AS NECESSARY TO ACCESS CONCEALED PIPES.

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2. REMOVE AND DISPOSE OF ALL WOOD WALLBASE THROUGHOUT THE BUILDING. ASBESTOS-CONTAINING MASTIC HAS BEEN IDENTIFIED BEHIND WOOD WALLBASE IN SOME BUILDING LOCATIONS; HENCE, ALL WOOD WALLBASE MASTIC ENCOUNTERED SHALL BE REMOVED AND DISPOSED OF AS ASBESTOS WASTE. ANY RESIDUAL MASTIC ATTACHED TO WALLS SHALL BE COMPLETELY REMOVED.
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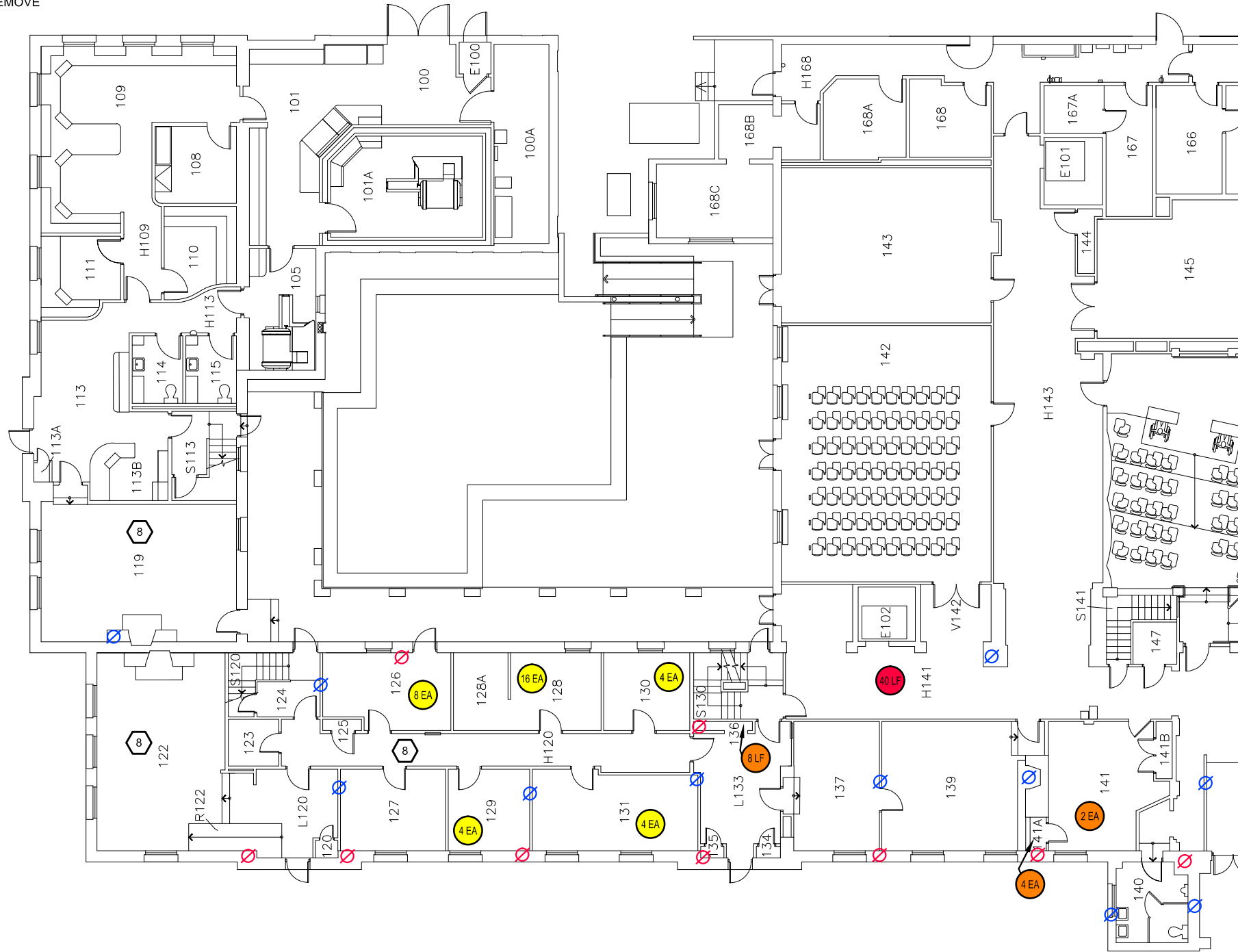


FIG 5 STRAUB HALL - FIRST FLOOR - NORTH HALF
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FIRST FLOOR

NORTH HALF

THERMAL SYSTEM INSULATION

PROJECT: 51980.001

DATE: JUNE 2013

FIGURE:

5

LEGEND

- APPROXIMATE LOCATION AND QUANTITY OF KNOWN EXPOSED ASBESTOS-CONTAINING PIPE AND PIPE FITTING INSULATION.
- APPROXIMATE LOCATION AND QUANTITY OF KNOWN ASBESTOS-CONTAINING PIPE AND PIPE FITTING INSULATION CONCEALED ABOVE CEILINGS.
- APPROXIMATE LOCATION AND QUANTITY OF PIPE INSULATION OBSERVED ABOVE PLASTER CEILING. DEMOLISH CEILING FINISHES AS NECESSARY TO ACCESS, REMOVE, AND DISPOSE OF PIPE INSULATION.
- 8 PERFORM PLASTER CEILING DEMOLITION AT THIS LOCATION TO CREATE 2' x 2' INSPECTION ACCESS TO IDENTIFY POTENTIALLY CONCEALED ASBESTOS-CONTAINING PIPE INSULATION. PERFORM ADDITIONAL SELECTIVE DEMOLITION AS REQUIRED TO EXPOSE ANY INSULATED PIPES IDENTIFIED THROUGH THE INSPECTION ACCESSES, AND REMOVE AND DISPOSE OF ALL ASBESTOS-CONTAINING PIPE INSULATION.

- ☁ PERFORM EXPLORATORY WALL DEMOLITION IN AREA TO LOCATE CONCEALED PIPE INSULATION. ABATE ALL SUSPECT PIPE AND PIPE FITTING INSULATION DISCOVERED BY DEMOLITION.
- ⊗ APPROXIMATE LOCATION OF STEAM RISER. CONTRACTOR TO PERFORM ALL NECESSARY DEMOLITION OF PLASTER AND METAL LATHE FROM FLOOR TO CEILING, INCLUDING THE CEILING AT THE TOP OF EACH RISER TO REMOVE AND DISPOSE OF ALL ASBESTOS-CONTAINING PIPE AND PIPE FITTING INSULATION ON RISER AND LATERAL PIPES FEEDING HEATING UNITS ON THE FLOOR ABOVE.
- ⊗ APPROXIMATE LOCATION OF DOMESTIC HOT AND COLD WATER RISERS. CONTRACTOR TO PERFORM ALL NECESSARY DEMOLITION OF PLASTER BLOCK FROM FLOOR TO CEILING TO REMOVE AND DISPOSE OF ALL ASBESTOS-CONTAINING PIPE AND PIPE FITTING INSULATION. PERFORM ADDITIONAL WALL AND CEILING DEMOLITION AS NECESSARY TO ACCESS CONCEALED PIPES.

GENERAL NOTES

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2. THIS DRAWING DOES NOT SHOW ALL ASBESTOS-CONTAINING MATERIALS TO BE REMOVED. REFER TO THE ABATEMENT NOTES AND SUMMARY OF WORK SECTION 01010 FOR ADDITIONAL DETAILS AND TASKS INCLUDED IN THE PROJECT SCOPE OF WORK.
3. THE CONTRACTOR SHALL DETACH ALL FURNISHINGS, CASEWORK, HEATING UNITS, AND OTHER OBSTRUCTIONS TO ACCESS CONCEALED ASBESTOS-CONTAINING MATERIALS SPECIFIED FOR REMOVAL. NEATLY STAGE ALL REMOVED ITEMS FOR FINAL DISPOSITION BY OWNER'S GENERAL CONTRACTOR.
4. CLEANUP AND DISPOSAL OF ALL GENERAL WASTE GENERATED AS A RESULT OF SELECTIVE DEMOLITION TO ACCESS CONCEALED ASBESTOS-CONTAINING MATERIALS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

ABATEMENT NOTES

1. REMOVE HEATING UNIT COVERS AND INSPECT INTERIOR COMPONENTS AND PIPES FOR THE PRESENCE OF ASBESTOS-CONTAINING ADHESIVE ASPHALTIC STRIPS. REMOVE AND DISPOSE OF ALL ASPHALTIC STRIPS ENCOUNTERED, OR DISPOSE OF THE ASSOCIATED COMPONENTS AS ASBESTOS WASTE. APPROXIMATELY 58 HEATING UNITS ARE PRESENT ON THIS FLOOR.
2. REMOVE AND DISPOSE OF ALL WOOD WALLBASE THROUGHOUT THE BUILDING. ASBESTOS-CONTAINING MASTIC HAS BEEN IDENTIFIED BEHIND WOOD WALLBASE IN SOME BUILDING LOCATIONS; HENCE, ALL WOOD WALLBASE MASTIC ENCOUNTERED SHALL BE REMOVED AND DISPOSED OF AS ASBESTOS WASTE. ANY RESIDUAL MASTIC ATTACHED TO WALLS SHALL BE COMPLETELY REMOVED.
3. RISER LOCATIONS ILLUSTRATED ON THE DRAWINGS ARE ESTIMATES ONLY BASED ON LIMITED FIELD OBSERVATIONS AND HISTORIC BUILDING PLANS. ACTUAL LOCATIONS MAY BE DIFFERENT AND ADDITIONAL RISERS MAY BE PRESENT. CONTRACTOR SHALL PERFORM DEMOLITION OF PLASTER BLOCK, AND LATH AND PLASTER WALLS FROM FLOOR TO CEILING TO EXPOSE ALL PIPE RISERS. PERFORM ADDITIONAL WALL AND CEILING FINISH DEMOLITION AS NECESSARY TO EXPOSE LATERAL PIPING AND REMOVE ALL EXISTING ASBESTOS-CONTAINING PIPE INSULATION THROUGHOUT THE BUILDING. INSPECT ALL EXISTING INSPECTION ACCESSES INSTALLED IN PLASTER CEILINGS BY THE OWNER. PERFORM ADDITIONAL SELECTIVE DEMOLITION AS REQUIRED TO EXPOSE ANY INSULATED PIPES IDENTIFIED THROUGH THE INSPECTION ACCESSES, AND REMOVE AND DISPOSE OF ALL ASBESTOS-CONTAINING PIPE INSULATION. CONTRACTOR SHALL MAINTAIN CONTINUOUS, DETAILED RECORDS OF ALL INSULATION REMOVED IN EACH WORK AREA AND REPORT ALL MATERIAL QUANTITY DISCREPANCIES TO THE OWNER'S ENVIRONMENTAL CONSULTANT.

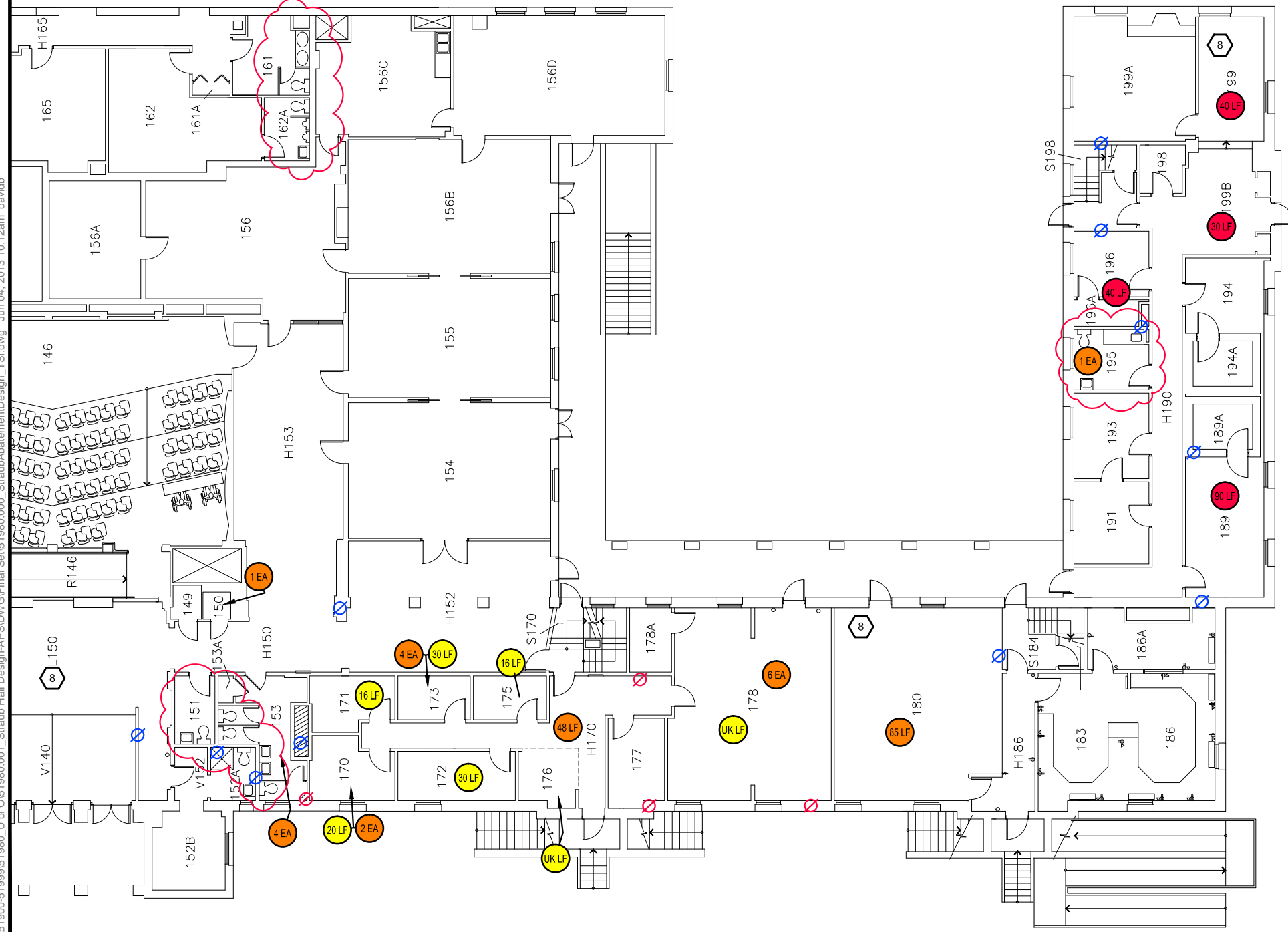


FIG 6 STRAUB HALL - FIRST FLOOR - SOUTH HALF
1 NOT TO SCALE



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FIRST FLOOR	
SOUTH HALF	
THERMAL SYSTEM INSULATION	
PROJECT:	51980.001
DATE:	JUNE 2013

FIGURE:
6

PREPARED FOR: UNIVERSITY OF OREGON

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LEGEND

- # APPROXIMATE LOCATION AND QUANTITY OF KNOWN EXPOSED ASBESTOS-CONTAINING PIPE AND PIPE FITTING INSULATION.
- # APPROXIMATE LOCATION AND QUANTITY OF KNOWN ASBESTOS-CONTAINING PIPE AND PIPE FITTING INSULATION CONCEALED ABOVE CEILINGS.
- 8 PERFORM PLASTER CEILING DEMOLITION AT THIS LOCATION TO CREATE 2' x 2' INSPECTION ACCESS TO IDENTIFY POTENTIALLY CONCEALED ASBESTOS-CONTAINING PIPE INSULATION. PERFORM ADDITIONAL SELECTIVE DEMOLITION AS REQUIRED TO EXPOSE ANY INSULATED PIPES IDENTIFIED THROUGH THE INSPECTION ACCESSES, AND REMOVE AND DISPOSE OF ALL ASBESTOS-CONTAINING PIPE INSULATION.
- ⊗ APPROXIMATE LOCATION OF STEAM RISER. CONTRACTOR TO PERFORM ALL NECESSARY DEMOLITION OF PLASTER AND METAL LATHE FROM FLOOR TO CEILING, INCLUDING THE CEILING AT THE TOP OF EACH RISER TO REMOVE AND DISPOSE OF ALL ASBESTOS-CONTAINING PIPE AND PIPE FITTING INSULATION ON RISER AND LATERAL PIPES FEEDING HEATING UNITS ON THE FLOOR ABOVE.
- ⊗ APPROXIMATE LOCATION OF DOMESTIC HOT AND COLD WATER RISERS. CONTRACTOR TO PERFORM ALL NECESSARY DEMOLITION OF PLASTER BLOCK FROM FLOOR TO CEILING TO REMOVE AND DISPOSE OF ALL ASBESTOS-CONTAINING PIPE AND PIPE FITTING INSULATION. PERFORM ADDITIONAL WALL AND CEILING DEMOLITION AS NECESSARY TO ACCESS CONCEALED PIPES.

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3. THE CONTRACTOR SHALL DETACH ALL FURNISHINGS, CASEWORK, HEATING UNITS, AND OTHER OBSTRUCTIONS TO ACCESS CONCEALED ASBESTOS-CONTAINING MATERIALS SPECIFIED FOR REMOVAL. NEATLY STAGE ALL REMOVED ITEMS FOR FINAL DISPOSITION BY OWNER'S GENERAL CONTRACTOR.
4. CLEANUP AND DISPOSAL OF ALL GENERAL WASTE GENERATED AS A RESULT OF SELECTIVE DEMOLITION TO ACCESS CONCEALED ASBESTOS-CONTAINING MATERIALS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

ABATEMENT NOTES

1. REMOVE HEATING UNIT COVERS AND INSPECT INTERIOR COMPONENTS AND PIPES FOR THE PRESENCE OF ASBESTOS-CONTAINING ADHESIVE ASPHALTIC STRIPS. REMOVE AND DISPOSE OF ALL ASPHALTIC STRIPS ENCOUNTERED, OR DISPOSE OF THE ASSOCIATED COMPONENTS AS ASBESTOS WASTE. APPROXIMATELY 58 HEATING UNITS ARE PRESENT ON THIS FLOOR.
2. REMOVE AND DISPOSE OF ALL CEILING MOUNTED LIGHT FIXTURES WITH ASBESTOS-CONTAINING INSULATING FELT, INCLUDING ALL ASSOCIATED FIXTURE WIRING. COORDINATE WITH THE OWNER'S GENERAL CONTRACTOR FOR LIGHT FIXTURE CIRCUIT LOCKOUT PRIOR TO REMOVAL. CONTRACTOR SHALL SAFELY CAP ALL EXPOSED WIRES. APPROXIMATELY 1 FIXTURE IS PRESENT ON THIS FLOOR LOCATED IN HALLWAY H202.
3. REMOVE AND DISPOSE OF ALL RUBBER / VINYL COVEBASE APPLICATIONS AND ALL ASSOCIATED LOOSE COVEBASE MASTIC CONTAINING LESS THAN ONE PERCENT ASBESTOS FROM VARIOUS LOCATIONS THROUGHOUT THE BUILDING. COVEBASE HAS BEEN IDENTIFIED IN THE FOLLOWING AREAS ON THIS FLOOR: ROOM 285.
4. REMOVE AND DISPOSE OF ALL WOOD WALLBASE THROUGHOUT THE BUILDING. ASBESTOS-CONTAINING MASTIC HAS BEEN IDENTIFIED BEHIND WOOD WALLBASE IN SOME BUILDING LOCATIONS; HENCE, ALL WOOD WALLBASE MASTIC ENCOUNTERED SHALL BE REMOVED AND DISPOSED OF AS ASBESTOS WASTE. ANY RESIDUAL MASTIC ATTACHED TO WALLS SHALL BE COMPLETELY REMOVED.
5. RISER LOCATIONS ILLUSTRATED ON THE DRAWINGS ARE ESTIMATES ONLY BASED ON LIMITED FIELD OBSERVATIONS AND HISTORIC BUILDING PLANS. ACTUAL LOCATIONS MAY BE DIFFERENT AND ADDITIONAL RISERS MAY BE PRESENT. CONTRACTOR SHALL PERFORM DEMOLITION OF PLASTER BLOCK, AND LATH AND PLASTER WALLS FROM FLOOR TO CEILING TO EXPOSE ALL PIPE RISERS. PERFORM ADDITIONAL WALL AND CEILING FINISH DEMOLITION AS NECESSARY TO EXPOSE LATERAL PIPING AND REMOVE ALL EXISTING ASBESTOS-CONTAINING PIPE INSULATION THROUGHOUT THE BUILDING. INSPECT ALL EXISTING INSPECTION ACCESSES INSTALLED IN PLASTER CEILINGS BY THE OWNER. PERFORM ADDITIONAL SELECTIVE DEMOLITION AS REQUIRED TO EXPOSE ANY INSULATED PIPES IDENTIFIED THROUGH THE INSPECTION ACCESSES, AND REMOVE AND DISPOSE OF ALL ASBESTOS-CONTAINING PIPE INSULATION. CONTRACTOR SHALL MAINTAIN CONTINUOUS, DETAILED RECORDS OF ALL INSULATION REMOVED IN EACH WORK AREA AND REPORT ALL MATERIAL QUANTITY DISCREPANCIES TO THE OWNER'S ENVIRONMENTAL CONSULTANT.

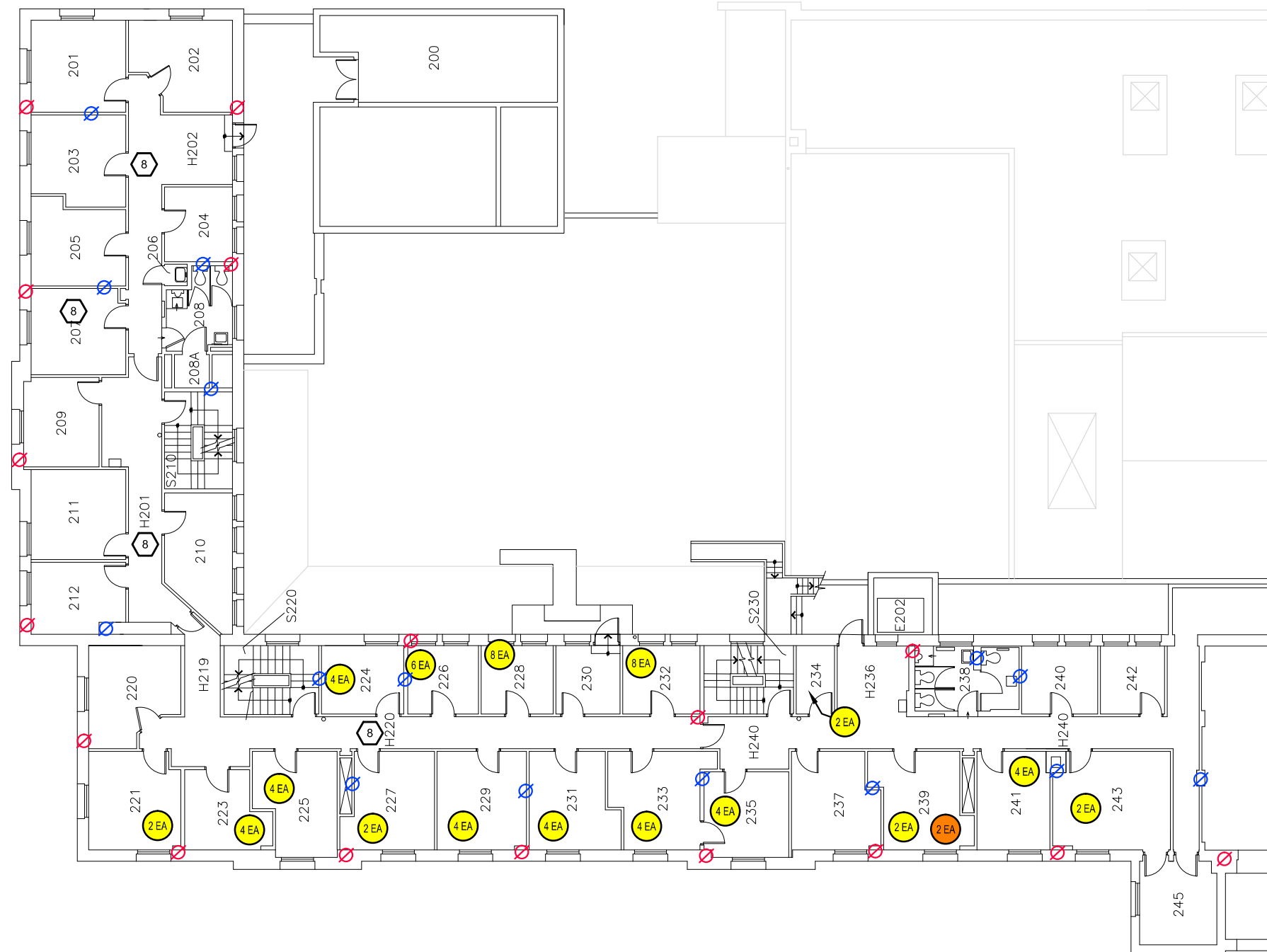


FIG 7 STRAUB HALL - SECOND FLOOR - NORTH HALF
1 NOT TO SCALE

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SECOND FLOOR

NORTH HALF

TSI & MISC. MATERIALS

PROJECT: 51980.001

DATE: JUNE 2013

FIGURE:

7

LEGEND

- # APPROXIMATE LOCATION AND QUANTITY OF KNOWN ASBESTOS-CONTAINING PIPE AND PIPE FITTING INSULATION CONCEALED ABOVE CEILINGS.
- 8 PERFORM PLASTER CEILING DEMOLITION AT THIS LOCATION TO CREATE 2' x 2' INSPECTION ACCESS TO IDENTIFY POTENTIALLY CONCEALED ASBESTOS-CONTAINING PIPE INSULATION. PERFORM ADDITIONAL SELECTIVE DEMOLITION AS REQUIRED TO EXPOSE ANY INSULATED PIPES IDENTIFIED THROUGH THE INSPECTION ACCESSES, AND REMOVE AND DISPOSE OF ALL ASBESTOS-CONTAINING PIPE INSULATION.
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ABATEMENT NOTES

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- REMOVE AND DISPOSE OF ALL CEILING MOUNTED LIGHT FIXTURES WITH ASBESTOS-CONTAINING INSULATING FELT, INCLUDING ALL ASSOCIATED FIXTURE WIRING. COORDINATE WITH THE OWNER'S GENERAL CONTRACTOR FOR LIGHT FIXTURE CIRCUIT LOCKOUT PRIOR TO REMOVAL. CONTRACTOR SHALL SAFELY CAP ALL EXPOSED WIRES. APPROXIMATELY 6 FIXTURES ARE PRESENT ON THIS FLOOR LOCATED IN HALLWAYS H302, H331, H340, H354, H372, AND H389.
- REMOVE AND DISPOSE OF ALL RUBBER / VINYL COVEBASE APPLICATIONS AND ALL ASSOCIATED LOOSE COVEBASE MASTIC CONTAINING LESS THAN ONE PERCENT ASBESTOS FROM VARIOUS LOCATIONS THROUGHOUT THE BUILDING. COVEBASE HAS BEEN IDENTIFIED IN THE FOLLOWING AREAS ON THIS FLOOR: ROOM 324.
- REMOVE AND DISPOSE OF ALL WOOD WALLBASE THROUGHOUT THE BUILDING. ASBESTOS-CONTAINING MASTIC HAS BEEN IDENTIFIED BEHIND WOOD WALLBASE IN SOME BUILDING LOCATIONS; HENCE, ALL WOOD WALLBASE MASTIC ENCOUNTERED SHALL BE REMOVED AND DISPOSED OF AS ASBESTOS WASTE. ANY RESIDUAL MASTIC ATTACHED TO WALLS SHALL BE COMPLETELY REMOVED.
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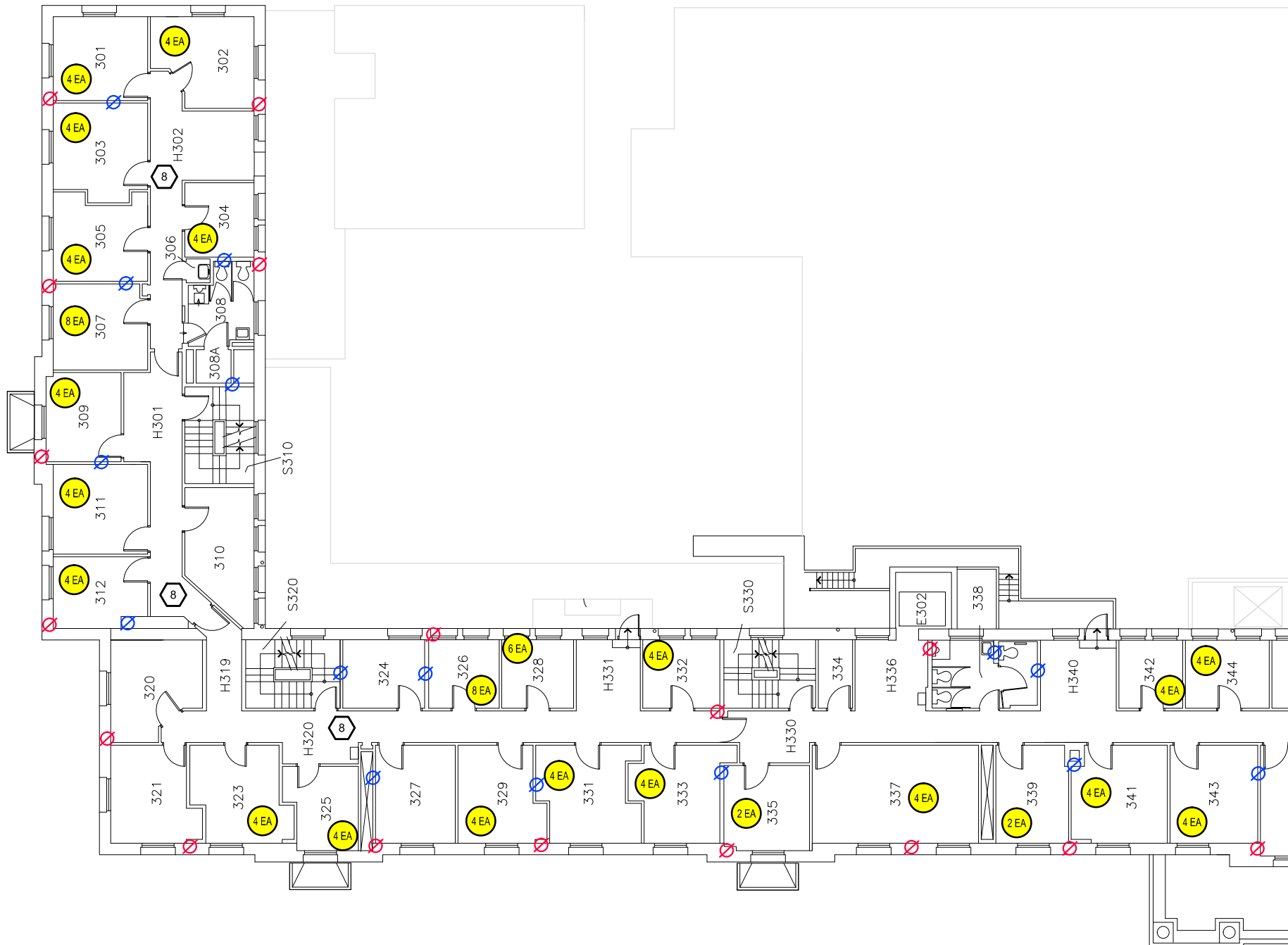


FIG 9 STRAUB HALL - THIRD FLOOR - NORTH HALF
1 NOT TO SCALE

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THIRD FLOOR	
NORTH HALF	
TSI & MISC. MATERIALS	
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FIGURE:
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LEGEND

- # APPROXIMATE LOCATION AND QUANTITY OF KNOWN EXPOSED ASBESTOS-CONTAINING PIPE AND PIPE FITTING INSULATION.
- # APPROXIMATE LOCATION AND QUANTITY OF KNOWN ASBESTOS-CONTAINING PIPE AND PIPE FITTING INSULATION CONCEALED ABOVE CEILINGS.
- 1 REMOVE AND DISPOSE OF ALL STAIR COVERINGS AND ALL UNDERLYING MASTICS THROUGHOUT STAIRCASE.
- 8 PERFORM PLASTER CEILING DEMOLITION AT THIS LOCATION TO CREATE 2' x 2' INSPECTION ACCESS TO IDENTIFY POTENTIALLY CONCEALED ASBESTOS-CONTAINING PIPE INSULATION. PERFORM ADDITIONAL SELECTIVE DEMOLITION AS REQUIRED TO EXPOSE ANY INSULATED PIPES IDENTIFIED THROUGH THE INSPECTION ACCESSES, AND REMOVE AND DISPOSE OF ALL ASBESTOS-CONTAINING PIPE INSULATION.

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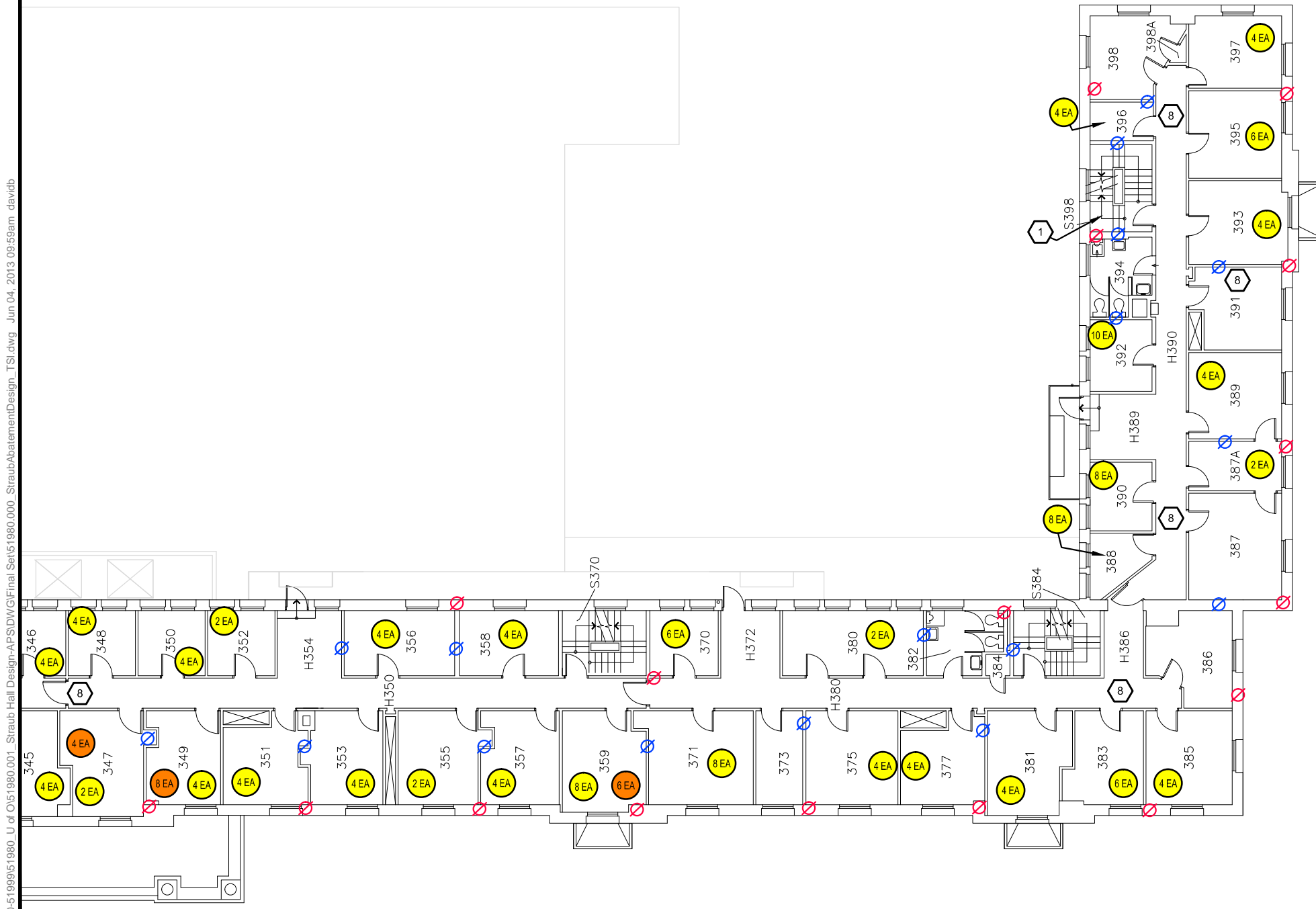


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THIRD FLOOR	
SOUTH HALF	
TSI & MISC. MATERIALS	
PROJECT:	51980.001
DATE:	JUNE 2013
FIGURE:	10

PREPARED FOR: UNIVERSITY OF OREGON

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LEGEND

1 REMOVE AND DISPOSE OF ALL STAIR COVERINGS AND ALL UNDERLYING MASTICS THROUGHOUT STAIRCASE.

Ø APPROXIMATE LOCATION OF STEAM RISER. CONTRACTOR TO PERFORM ALL NECESSARY DEMOLITION OF PLASTER AND METAL LATHE FROM FLOOR TO CEILING, INCLUDING THE CEILING AT THE TOP OF EACH RISER TO REMOVE AND DISPOSE OF ALL ASBESTOS-CONTAINING PIPE AND PIPE FITTING INSULATION ON RISER AND LATERAL PIPES.

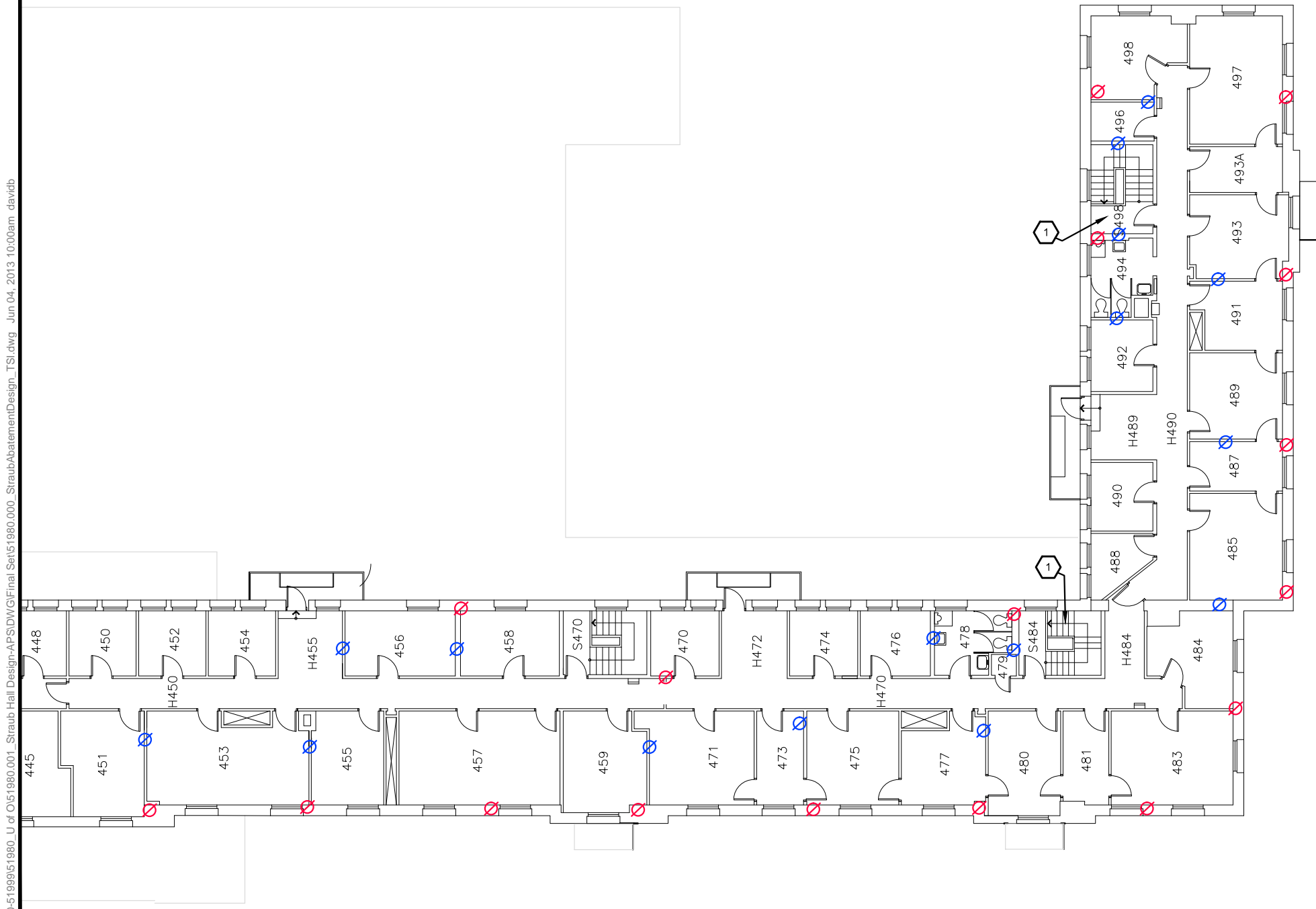
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2. REMOVE AND DISPOSE OF ALL CEILING MOUNTED LIGHT FIXTURES WITH ASBESTOS-CONTAINING INSULATING FELT, INCLUDING ALL ASSOCIATED FIXTURE WIRING. COORDINATE WITH THE OWNER'S GENERAL CONTRACTOR FOR LIGHT FIXTURE CIRCUIT LOCKOUT PRIOR TO REMOVAL. CONTRACTOR SHALL SAFELY CAP ALL EXPOSED WIRES. APPROXIMATELY 13 FIXTURES ARE PRESENT ON THIS FLOOR LOCATED IN ROOMS 401B-E, 425, 430, AND 451; HALLWAYS H402, H427, H442, H455, H472, AND H489.
3. REMOVE AND DISPOSE OF ALL RUBBER / VINYL COVEBASE APPLICATIONS AND ALL ASSOCIATED LOOSE COVEBASE MASTIC CONTAINING LESS THAN ONE PERCENT ASBESTOS FROM VARIOUS LOCATIONS THROUGHOUT THE BUILDING. COVEBASE HAS BEEN IDENTIFIED IN THE FOLLOWING AREAS ON THIS FLOOR: ROOMS 431, 431A-B, 487, 488, 493A, AND 496.
4. REMOVE AND DISPOSE OF ALL WOOD WALLBASE THROUGHOUT THE BUILDING. ASBESTOS-CONTAINING MASTIC HAS BEEN IDENTIFIED BEHIND WOOD WALLBASE IN SOME BUILDING LOCATIONS; HENCE, ALL WOOD WALLBASE MASTIC ENCOUNTERED SHALL BE REMOVED AND DISPOSED OF AS ASBESTOS WASTE. ANY RESIDUAL MASTIC ATTACHED TO WALLS SHALL BE COMPLETELY REMOVED.
5. RISER LOCATIONS ILLUSTRATED ON THE DRAWINGS ARE ESTIMATES ONLY BASED ON LIMITED FIELD OBSERVATIONS AND HISTORIC BUILDING PLANS. ACTUAL LOCATIONS MAY BE DIFFERENT AND ADDITIONAL RISERS MAY BE PRESENT. CONTRACTOR SHALL PERFORM DEMOLITION OF PLASTER BLOCK, AND LATH AND PLASTER WALLS FROM FLOOR TO CEILING TO EXPOSE ALL PIPE RISERS. PERFORM ADDITIONAL WALL AND CEILING FINISH DEMOLITION AS NECESSARY TO EXPOSE LATERAL PIPING AND REMOVE ALL EXISTING ASBESTOS-CONTAINING PIPE INSULATION THROUGHOUT THE BUILDING. INSPECT ALL EXISTING INSPECTION ACCESSES INSTALLED IN PLASTER CEILINGS BY THE OWNER. PERFORM ADDITIONAL SELECTIVE DEMOLITION AS REQUIRED TO EXPOSE ANY INSULATED PIPES IDENTIFIED THROUGH THE INSPECTION ACCESSES, AND REMOVE AND DISPOSE OF ALL ASBESTOS-CONTAINING PIPE INSULATION. CONTRACTOR SHALL MAINTAIN CONTINUOUS, DETAILED RECORDS OF ALL INSULATION REMOVED IN EACH WORK AREA AND REPORT ALL MATERIAL QUANTITY DISCREPANCIES TO THE OWNER'S ENVIRONMENTAL CONSULTANT.



← **FIG 12** STRAUB HALL - FOURTH FLOOR - SOUTH HALF
1 NOT TO SCALE



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FOURTH FLOOR

SOUTH HALF

TSI & MISC. MATERIALS

PROJECT: 51980.001

DATE: JUNE 2013

FIGURE:

12

PREPARED FOR: UNIVERSITY OF OREGON

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