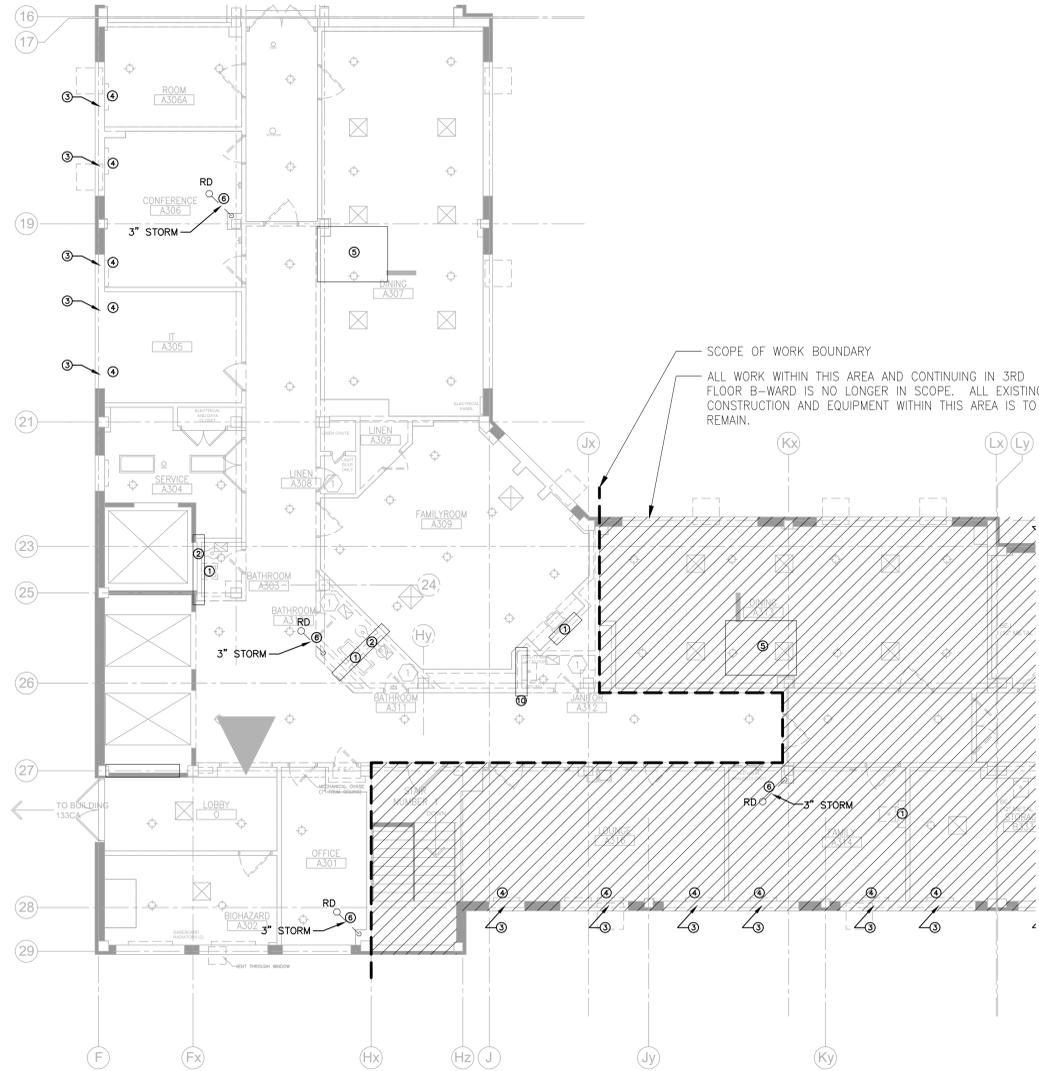


three inches = one foot
 one and one half inches = one foot
 one inch = one foot
 three quarters inch = one foot
 one half inch = one foot
 three eighths inch = one foot
 one quarter inch = one foot
 one eighth inch = one foot



1 PART THIRD FLOOR PLAN WARDS A - ASBESTOS ABATEMENT
 HA-102 SCALE: 1/8" = 1'-0"

GENERAL NOTES:

- REFER TO DRAWING HA-101 FOR ASBESTOS ABATEMENT NOTES. THE MAJORITY OF THE EXPOSED ASBESTOS PIPE INSULATION HAS BEEN REMOVED. ASBESTOS CONTAINING MATERIAL (ACM) AND PIPE INSULATION IS ASSUMED TO EXIST BEHIND WALLS AND IN ENCLOSED PLUMBING CHASES.
- ALL ACM EXPOSED DURING WORK UNDER THIS CONTRACT SHALL BE REMOVED.
- SOME EXPOSED ACM REMAINS ABOVE THE CEILING GRID OR HARD CEILING AND MUST BE REMOVED.
- FILL ALL HOLE PENETRATIONS IN FLOORS, CEILING, AND RATED WALLS THAT REMAIN WITH APPROVED FIRE CAULK.
- OCCUPIED FLOOR REQUIRING PHASING AND COORDINATION OF ALL DEMOLITION AND NEW WORK.
- LIMITED ACCESS FOR ALL WORK. SCHEDULE ALL WORK SO NO MORE THAN 2 ROOMS ARE DISTURBED AT ANY TIME.
- AFTER NORMAL BUSINESS HOURS FOR THE FACILITY IS REQUIRED IN THESE AREAS, CONSTRUCTION WORK TIME SHALL BE FROM 5:00PM TO 5:00 AM MONDAY THROUGH FRIDAY.
- WEEKEND WORK MUST BE APPROVED AND SCHEDULED WITH THE FACILITY.

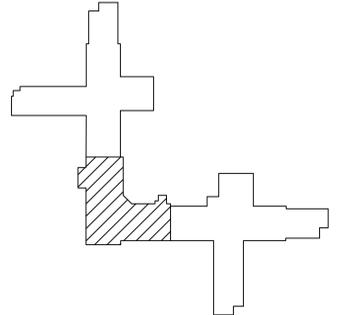
ESTIMATED REMOVAL QUANTITIES:

- SINKS/LAVATORIES - FOUR (4) FITTINGS AT EACH LOCATION.
- TOILETS - TWO (2) FITTINGS AT EACH LOCATION.
- URINALS - TWO (2) FITTINGS AT EACH LOCATION.
- RADIATORS - NINE (9) FITTINGS EXPOSED AND CONCEALED AT EACH RADIATOR.
- STEAM AND CONDENSATE PIPING - SIX (6) FITTINGS AT EACH RADIATOR.
- STEAM AND CONDENSATE PIPING - THIRTY (30) LINEAL FEET FOR EACH STEAM AND CONDENSATE PIPE CONCEALED WITHIN THE WALL OR CHASE.
- CLINICAL SINK, BEDPAN WASH AND LAUNDRY SUPPLIES - TWO (2) FITTINGS AT EACH FIXTURE AND LOCATION.
- SHOWER, BATHTUB, JANITOR SINK - FOUR (4) FITTINGS AT EACH FIXTURE LOCATION.
- DRINKING FOUNTAIN - ONE (1) AT EACH LOCATION.
- MIXING VALVE - SIX (6) FITTINGS AT EACH LOCATION.

| Fixture | Number of Fittings |
|---------------------------|--------------------|
| Sinks/Lavatories | 12 |
| Toilets/Urinals | 4 |
| Radiators | 45 |
| Stm & Conds. Piping | 30 |
| Laundry Rm Fixtures | 0 |
| Bedpan Wash | 0 |
| Shower/Bathtub | 0 |
| Janitor/HAC Sink | 4 |
| Drinking Fountain | 0 |
| Steam Piping to Radiators | 45 LF |

ASBESTOS DRAWING NOTES:

- REMOVE ASBESTOS MATERIALS AS REQUIRED, HARD FITTINGS AT ALL SINKS ON FLOORS 2 AND 3.
- REMOVE ASBESTOS MATERIALS AS REQUIRED, HARD FITTINGS ON TOILET SUPPLIES, FLOORS 2 AND 3.
- REMOVE ASBESTOS MATERIALS AS REQUIRED, HARD FITTINGS ON PIPES TO RADIATORS, FLOORS 2 AND 3. TRANSITE PANEL IN RADIATOR CAVITY SHALL BE REMOVED, APPROXIMATELY 8 SQUARE FOOT PANEL, 1 AT EACH RADIATOR.
- NO ASBESTOS MATERIALS OBSERVED ON RADIATOR CASE, FRAME OR COIL EXCEPT AS NOTED IN 3 ABOVE.
- NO ASBESTOS MATERIALS OBSERVED ON AHU EXCEPT HARD FITTINGS ON PIPING TO AHU COIL.
- REMOVE ASBESTOS MATERIALS AS REQUIRED; HARD FITTINGS ON STORM PIPES.
- REMOVE ASBESTOS MATERIALS AS REQUIRED; HARD FITTINGS ON SUPPLY PIPES LAUNDRY ROOM FIXTURES.
- REMOVE ASBESTOS MATERIALS AS REQUIRED; HARD FITTINGS ON SUPPLY PIPES TO BEDPAN WASH.
- REMOVE ASBESTOS MATERIALS AS REQUIRED; HARD FITTINGS ON SUPPLY PIPES TO SHOWER/BATHTUB.
- REMOVE ASBESTOS MATERIALS AS REQUIRED; HARD FITTINGS ON SUPPLY PIPES TO JANITOR/HAC SINK.
- REMOVE ASBESTOS MATERIALS AS REQUIRED; HARD FITTINGS ON SUPPLY PIPE TO DRINKING FOUNTAIN.



Key Plan

| | | | | | | | |
|--|--|--|--|--|---|--|---|
| CONSULTANTS: Altus Architectural Studios, Inc. 12925 W. Dodge Road Omaha, Nebraska 68154 American Structurespoint, Inc. 7260 Shadeland Station Indianapolis, IN 46256 | Avanti Environmental Group 309 North Water Street Suite 650 Milwaukee, WI 53202 Middleton Construction Consulting 330 East Kibbourn Ave Suite 565 Milwaukee, WI 53202 | Specialized Engineering Solutions, Inc. 10360 Ellison Circle Omaha, Nebraska 68134 | ARCHITECT/ENGINEERS: 13100 watertown plank road suite 200 elm grove, wi 53122 Nagel Architects Project Number: 140701 | Drawing Title PART THIRD FLOOR PLAN ASBESTOS ABATEMENT DOMESTIC WATER PIPING & MECHANICAL | Project Title RENOVATE 3 WARDS OF CLC IN BLDG 134 | Project Number 556-14-011 | Office of Construction and Facilities Management |
| | | | | Approved Project Director - - - | Location Captain James A. Lovell FHCC, North Chicago, IL | Building Number BLDG 134, WARDS 2C, 3A, 3B, 3C | |
| BID CLARIFICATIONS (ACM QUANTITIES) 1/20/2017 | | | Date June 1, 2016 | | Checked - | Drawn JMD | Dwg 007 of 146 |

100% Bid Documents