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- A. Provide floor drains in all toilet rooms, janitor closets, and mechanical rooms.
 - B. Extend cleanouts to finished floor or wall surface, with access covers installed flush to the finished surface. Ensure clearance at cleanout for rodding of drainage system.
 - 1. Residence Life Maintenance (RLM) buildings shall locate all cleanouts to exterior of building only.
 - 2. No main line cleanouts within interior of building with the exception of lavatory/kitchen sink cleanout.
 - C. All interior Clean outs shall be above flood rim for inside of buildings unless prior approval by SHSU Plant Operations. Coordinate cleanout locations with Architect.
 - 1. Residence Life Maintenance buildings shall have main line sewer clean outs located every 75 feet on the exterior perimeter of the building with double cleanouts and pop up plugs below flood plane.
 - D. Encase exterior cleanouts in concrete with access cover installed flush with grade.
 - E. Provide grease traps (interceptors) whenever there is the potential to discharge wastes containing fats, oils, greases, and/or settleable solids into the sanitary sewer system.
 - F. Grease traps shall have two compartments, with the primary having a seven-minute retention time and the secondary having a five-minute retention time. For cleaning and inspection purposes, traps shall be located in area accessible to appropriate grease recovery equipment. Manufactured traps that are properly sized may be used in lieu of on-site construction. When possible, the trap shall be installed outside the building. Note that all retention times shown are minimums.
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- G. Buried grease traps shall be constructed of concrete.

- H. Where grease trap is located exterior to building, all pipe and fittings shall be Schedule 40 PVC.
Normally traps will be installed 3-1/2" below grade, but in areas subject to vehicle traffic, shall be 8" below grade and equipped with traffic manhole frame and cover.

- I. Install RV dump type station at the inlet of grease traps to allow for

2.04 Floor Drains

A. Floor drains shall be provided with deep seal "P" traps at all floor drains.

B. Floor Drain (Basement and air handler rooms) 12" x 12" floor sink with half-grate strainer, ty-seal or caulked outlet, dura-coated. Similar to Zurn Z-567. There shall be adequate floor drains to

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1. RLM no Cast iron SCH 40 PVC ONLY

3.03 Installation

II branch connections.

B. Route exposed piping at right angles or parallel to building walls. Diagonal runs are not permitted, unless expressly indicated.

D. Conceal all pipe installations in walls, pipe chases, utility spaces, above ceilings, below grade or floors, unless indicated to be exposed to view.

E. Route piping tight to slabs, beams, joists, columns, walls, and other permanent elements of the building. Allow sufficient spacing.

- A. Do not install backwater valves in sanitary building drain piping.

- B. Install expansion joints on vertical risers as indicated, and as required by the plumbing code.
 - C. Above Ground Cleanouts: Install in above ground piping and building drain piping as indicated, and:
 - 1. as required by plumbing code;
 - 2. at each change in direction of piping greater than 45 degrees;