

## MIFAB Siphonic Drainage Contractor Pre-Install Call

- CONTACT ENGINEER OF RECORD **PRIOR** TO ANY DIMENSIONAL CHANGES OR ROUTE DEVIATION
  - These changes will be quickly resolved, but must be identified by the contractor prior to pipe insulation
- How does Siphonic drainage work
- Horizontal piping installed with No Pitch
- Can NOT collect multiple roof levels on same siphonic line
- Reduction in vertical & increase in horizontal permitted
- PIPE RESTRAINT IS CRITICAL** (Improperly restrained pipe will move):
  - Pipe restraints located 1' from fitting on each change of direction (i.e. a wye branch to have 3 restraints)
    - Sway bracing needed every 30 foot
    - PVC pipe hangers support per local code
    - Cast Iron pipe hangers support per local code/CISPI
    - Pipe bracing in vertical every 10 foot
- Tail pipe connections enter horizontal pipe on the side, not drop-in from the top
- Concentric vs. Eccentric Reducers: Pipe crown stays flat in eccentric; Concentric is measured to centerline of pipe
- Pipe lengths in HydroTechnic program are center of fitting to center of fitting**
  - Only exception, roof line to center-of-fitting for the drain**
- Long/short sweep 90's, 45 WYE's, 1/8bend 45's can be used
- Knuckle bends, crosses, or TEE's can NOT be used
- Cleanouts ARE NOT REQUIRED. If desired, they should be removable spool pieces DWV style, no extended T branches to create air pocket
- Outside dimension of the roof hole opening is critical on deck mount installations (install sheets available)
- Trim roof membrane to fit inside of clamping ring
- Venting is required** where Siphonic system breaks to gravity
  - Review location of manhole relative to footprint of the building
- Clean construction debris from drainpipe work; make sure baffle plates are installed
- CONTACT ENGINEER OF RECORD **PRIOR** TO ANY DIMENSIONAL CHANGES OR ROUTE DEVIATION

### Any changes to routing:

HydroMax Inside Team  
[hydromax@mifab.com](mailto:hydromax@mifab.com)

All other questions:

**Brennan Doherty**  
[bdoherty@mifab.com](mailto:bdoherty@mifab.com)  
312-241-5224