USask Master Specification Directions: The master specifications are intended to be incorporated into the Consultant's final, project specific specification package. The project specific specifications are expected to include any and all sections or portions of sections (Part 1, Part 2, Part 3) that are required to create a fully executable project specification. USask Master Specs only provide information that USask **requires** be a part of the final specification package. Components or sections not included in the Master USask Specifications may still be required for a complete, well-designed project. **It is the consultant's responsibility to ensure all specifications match USask requirements. Any deviations or revisions to any section included in the master specifications requires written consent from the USask Engineering department. The consultant is liable for any omissions, errors, or incorrect equipment or components supplied to site.**
The Master Specifications shall be used in conjunction with USask's Design Guidelines. Any conflicts shall be brought to the attention of USask Engineering staff for clarification.

Part 1 General

Part 2 Products

2.1 MATERIAL

2.2 PIPING AND FITTINGS

.1 For buried and above ground: DWV piping to:

.1 CAN/CSA B1800.

.2 For all above ground piping, DWV XFR piping must be used, meeting smoke and flame resistance ratings required by Code.

.3 Acceptable manufacturers: Royal Building Products, Orion, Emco, Ipex.

2.3 JOINTS

.1 Solvent weld for PVC: to ASTM D2564.

2.4 CORROSION RESISTANT DRAINAGE

.1 Supply and install corrosion resistant drainage system where shown on drawings. The corrosion resistant drainage system includes all tailpieces, traps, drains and vents. Only those piping products fully compatible with GF Fuseal polypropylene materials and electrical resistance coil fusion system shall be installed.

.2 Above grade corrosion resistant pipe and fittings shall be flame retardant Polypropylene (Proxylene) equal to GF Fuseal corrosion resistant pipe may be used in all locations except vertical pipe shafts.

.1 Approved Equivalent - Jay R. Smith/Pegas, Enfield Enfusion - electrically fused joints only, no mechanical joints.

.3 For Fuseal pipe use electrofusion weld couplings only. Pipe, couplings and electrofusion tool by the same manufacturer. Make joints as recommended by the Manufacturer. Mechanical joint type polypropylene pipe is not approved. Butt fusion joints using electrically heated tool are not approved. Fuseal piping may pass through a fire separation

if an approved intumescent fire barrier material is used in the separation. Use 3M Fire Barrier FS-195 and caulk CP25 installed as directed by the manufacturer for Through-Penetration Firestop as tested by Ul.

.4 Below grade corrosion resistant piping shall be equal to Fabco Corrosion Resistant Polypropylene. Fusion weld shall be used for all joints. Joints shall be made using electrical resistant wire coil positioned between the pipe and socket coupling. Butt fusion joints using electrically heated tool are not approved. Make joints as recommended by manufacturer. Mechanical joints are not approved.

.5 Tailpieces on sinks connected to corrosion resistant piping systems shall be 316 stainless steel or other corrosion resistant piping.

.6 All corrosion resistant piping is to be installed as recommended by the manufacturer.

.7 Any corrosion resistant drainage piping and fittings installed in ceiling spaces used as a return air plenum shall have the required flame spread and smoke density index to allow this piping to be used in this situation.

.8 Contractor to provide proof of manufacturer’s training for electrofusion piping installation.

2.5 PLUMBING VENT FLASHING

.1 Vent flashing shall be preformed aluminum pre-insulated type suitable for roof type where installed.

.1 Acceptable product: Thaler SJ series stack jack, Lexusco.

Part 3 Execution

END OF SECTION