

DIVISION 11 – EQUIPMENT

11 12 00 – Parking Control Equipment

1. Fixed and mobile LPR (License Plate Reader) systems will be Genetec.
2. Parking software and programming will be T2 Flex.
3. Frontrunner is sole vendor to install/maintain items from Genetec.

11 52 00 – Audio/Visual Equipment

1. Classrooms:
 - a. Designer shall meet with the FMS Project Manager and the Center for Teaching and Learning (CTL) to coordinate classroom technology infrastructure.

11 61 51 – Pipe Grid

1. General
 - a. All pipe, fittings, and associated hardware shall be painted black
 - b. Pipe grid spacing shall be no less than 36" x 36" grid
 - c. All anchors, fasteners, and hangers shall be sized and spaces appropriately to handle the weight capacity for the intended pipe grid uses
2. Products
 - a. 1-1/2" schedule 40 steel pipe; cap all pipe ends or terminate with wall flange
 - b. Pipe grids can be installed atop transverse grid pattern below; use pipe clamp to prevent lateral movement
3. Mounting
 - a. Embed spin lock anchor in concrete deck above; avoid rebar
 - b. Affix coupling nut with locking fluid for threaded rod connection
 - c. Suspend threaded rod to pipe grid elevation and attach using clevis pipe hanger

11 82 13 – Solid Waste Bins

1. General Container Requirements
 - a. RIT shall provide all waste bins. Designer shall provide appropriate space and clearance for bins. The Director of Building Services shall provide locations for each bin during the construction process.
 - b. All receptacles (landfill, recycle, and compost) shall meet or exceed the EPA's most recent guidelines for post-consumer recycled content for receptacles.
 - c. Receptacles shall be co-located into waste stations. Single unit systems shall have the ability to collect **a minimum of two separate streams**. Individual containers shall have the ability to be interconnected or anchored in place.
 - d. All receptacles shall be the same or similar in design, but differentiated by lid color to indicate the appropriate stream (Landfill: Black; Recycle: Blue; Compost: Green).
 - e. Interior stations shall, at a minimum, have signage at eye level (either on the wall or attached to the container). Signage shall be approved by the Campus Sustainability department and have the ability to be changed with relative ease and minimal expense.
 - f. Waste stations should not be placed in classrooms or conference rooms. Occupants shall use the waste stations provided in the hallways and lobbies of buildings.
2. Exterior
 - a. New builds: waste streams shall not be permitted outside of buildings. Use interior waste stations.
 - b. Replace in kind only
 - i. Landscape Forms SCARBOROUGH LITTER RECEPTACLE – with liner 25 inch x 40 inch high, side opening, vertical strap panel, freestanding. Powder coat: Grotto (Black). Wording across top of lid to read "Landfill".
 - ii. Landscape Forms SCARBOROUGH LITTER RECEPTACLE – with liner 25 inch x 40 inch high, side opening, vertical strap panel, freestanding. Body of receptacle powder coat: Grotto (Black). Lid of receptacle powder coat: Ocean (Blue). Wording across top of lid to read "Recycle".
3. High-Traffic Public Area
 - a. Product
 - i. Basis of Design: Transition TIM 102
 - ii. Single unit system with a minimum of two separate streams for centralized collection
 - iii. Custom label graphic for sign frames provided by RIT Sustainability

- iv. Provide the following options: affixed backboard and door poster for signage; casters; no door lock; base color black
- v. Set dimensions: 47.5" W x 23" D x 48" H
- vi. Stream 1 – Landfill
 - 1. Opening shape: 13" x 11" rectangle
 - 2. Opening color: black
 - 3. Graphic: by RIT
- vii. Stream 2 – Recycle
 - 1. Opening shape: 9" circle inside 2" x 5" slot
 - 2. Opening color: blue
 - 3. Graphic: by RIT
- viii. Stream 3 (Athletic Facilities only) – Compost
 - 1. Opening shape: circle
 - 2. Opening color: green



b. Location

- i. Main entryways, lobbies, and high-traffic hallways
- ii. Minimum two sets per floor within public spaces is required for basic level of coverage

4. Low-Traffic Public Area

a. Product

- i. Basis of Design: Rubbermaid Slim Jim Recycling Station
- ii. Collection bins for minimum of two separate streams
- iii. Provide the following options: lid; snap-in connector; sign billboard; base color gray; 23-gallon capacity
- iv. Custom label graphic for sign frames provided by RIT Sustainability
- v. Dimensions: 11" W x 20" D x 30" H (42" H with lid)
- vi. 23 gallon capacity
- vii. Stream 1 – Landfill
 - 1. No lid insert needed
 - 2. Color: black
- viii. Stream 2 (break rooms) – Recycle
 - 1. Provide recycling station lid insert
 - 2. Lid insert color: blue
- ix. Stream 2 (restrooms) – Compost
 - 1. Provide recycling station lid insert
 - 2. Lid insert color: green



b. Location

- i. Restrooms
- ii. Break rooms

5. Offices and Work Stations

a. Products

- i. Provide personal desk-side recycling container
 - 1. Dimensions: 14.5" W x 10" D x 15" H
 - 2. 28 quart capacity
 - 3. <https://www.rubbermaidcommercial.com/utility-refuse/wastebaskets-accessories/desk-side-recycling-containers/?sku=FG295673BLUE>
- ii. Provide companion waste container that hangs on the side of the recycling container
 - 1. Dimensions: 8" W x 6" D x 7" H; 3 quart
 - 2. <https://www.rubbermaidcommercial.com/utility-refuse/wastebaskets-accessories/side-bin-desk-side-recycling-containers/?sku=FG295073BLA>



b. Location

- i. Employee offices

END OF DIVISION 11